# Appendix I
# Traffic Study

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# CITY OF MENIFEE GENERAL PLAN
# CIRCULATION ELEMENT TRAFFIC STUDY
## CITY OF MENIFEE, CALIFORNIA

**July 22, 2013 (Revised)**
**July 8, 2013 (Revised)**
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**January 21, 2013**

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July 8, 2013

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**Subject: Menifee General Plan Circulation Element Traffic Study**

Dear Ms. Grant:

Urban Crossroads, Inc. is pleased to submit the draft Menifee General Plan Circulation Element Traffic Study. The traffic study includes the recommended General Plan roadway network that is designed to support the vision for the Menifee that is reflected in the land use element. The proposed circulation network will provide the necessary roadway infrastructure and connectivity to accommodate the population and employment growth planned for the City of Menifee.

The recommended Circulation Element fundamentally increases the range of transportation options for travel within the City of Menifee and to adjacent western Riverside County jurisdictions by identifying a backbone network of bicycle and pedestrian routes. This on- and off-street network of routes improves safety for pedestrians and cyclists by providing dedicated facilities apart from motorist. The Plan also addresses ancillary facilities that are necessary to make a complete street work: the Plan establishes preferred or “typical” design standards for route classifications and addresses a variety of modes in layered transportation networks.

Based on the Vehicle Miles Travelled (VMT) results from the traffic model, the Proposed Menifee General Plan significantly improves the balance of jobs and housing within the city, in comparison to existing and RCIP 2035 datasets that indicate a shortfall of local jobs. In the future, the per capita VMT is expected to be approximately 45% lower than the current RCIP 2035 scenario.

The General Plan Circulation Element significantly improves the overall network connectivity through the use of collector/interconnected local system, and identifies several roads within the City that can be downsized while still providing adequate capacity to serve buildout of the proposed General Plan Land Use. If you have any questions, please contact me directly at (949) 660-1994, extension 203.

Respectfully submitted,

URBAN CROSSROADS, INC.

Bill Lawson, P.E., INCE
Principal

# TABLE OF CONTENTS


Section Page

**1.0 INTRODUCTION ..... 1**

1.1 Project Overview ..... 1
1.2 Analysis Scenarios ..... 3
1.3 Study Area ..... 4

**2.0 METHODOLOGIES ..... 13**

2.1 Level of Service ..... 13
2.2 Roadway Segment Daily Capacity Analysis ..... 13
2.3 Intersection Peak Hour Capacity Analysis ..... 15
2.3.1 Signalized Intersections
2.3.2 Unsignalized Intersections
2.4 Traffic Signal Warrant Analysis Methodology ..... 17
2.5 LOS Criteria ..... 17

**3.0 REGULATORY SETTING ..... 21**

3.1 California Assembly Bill 32 (2006) and Senate Bill 375 (2008) ..... 21
3.2 Western Riverside County Non-Motorized Transportation Plan ..... 21
3.3 AB 1358 California Complete Streets Act of 2008 ..... 22
3.4 The Regional Transportation Plan (RTP) ..... 23
3.5 Riverside County Congestion Management Program (CMP) ..... 24
3.6 Riverside County General Plan Circulation Element ..... 24

**4.0 EXISTING CONDITIONS ..... 29**

4.1 Circulation Network ..... 29
4.2 Traffic Counts ..... 29
4.3 Roadway Segment Analysis ..... 34
4.4 Intersection Operations Analysis ..... 40
4.5 Traffic Signal Warrants Analysis ..... 40
4.6 I-215 Mainline Capacity Analysis ..... 42
4.7 Truck Activities ..... 42
4.8 Vehicle Miles Travelled (VMT) ..... 42

**5.0 LAYERED TRANSPORTATION NETWORKS ..... 45**

5.1 Functional Roadway Classifications/Roadway Cross-Sections ..... 47
5.1.1 Expressway/Limited Access Conventional Highway
5.1.2 Urban Arterial
5.1.3 Arterial
5.1.4 Major
5.1.5 Secondary

## TABLE OF CONTENTS (CONT.)

Section Page


5.1.6 Collector/Rural Collector and Local Streets
5.1.7 The Citywide Roadway Network
5.2 Bikeway and Community Pedestrian Network ..... 61
5.2.1 Pedestrian / Mobility Device Users
5.2.2 Pedestrian Design Considerations
5.2.3 Bicycle Planning Considerations
5.2.4 Bikeway Definitions
5.2.5 Subregional Context
5.3 Potential Transit Network ..... 66
5.3.1 Locally Operated Service
5.3.2 Specialized Fixed Route Transit Types
5.4 Neighborhood Electric Vehicles/Golf Carts ..... 69
5.4.1 NEV/Golf Cart Plan Features
5.4.2 Potential NEV/Golf Cart Plan
5.4.3 Accommodating a Low Speed Travel Culture in Menifee
5.4.4 NEVs, Transit and Bikes – Strategies for Safe Operations
5.5 Truck Routes ..... 73
5.6 Air Travel ..... 75
5.7 Scenic Highways ..... 75

**6.0 MENIFEE TRAFFIC MODEL ..... 77**

6.1 Riverside Transportation Analysis Model (RivTAM) ..... 77
6.2 Traffic Analysis Zone Structure and Network ..... 77
6.3 Socio-Economic Data Inputs ..... 78

**7.0 FUTURE TRAFFIC CONDITIONS ..... 79**

7.1 RCIP 2035 Traffic Forecasts ..... 79
7.1.1 Roadway Segment Analysis
7.1.2 Intersection Operations Analysis
7.1.3 I-215 Mainline Capacity Analysis
7.1.4 Vehicle Miles Travelled (VMT)
7.2 Proposed Menifee General Plan Post-2035 Traffic Forecasts ..... 91
7.2.1 Roadway Segment Analysis
7.2.2 Intersection Operations Analysis
7.2.3 I-215 Mainline Capacity Analysis
7.2.4 Vehicle Miles Travelled (VMT)
7.3 General Plan EDC Alternative Post-2035 Traffic Forecasts ..... 105
7.3.1 Roadway Segment Analysis
7.3.2 Intersection Operations Analysis
7.3.3 I-215 Mainline Capacity Analysis
7.3.4 Vehicle Miles Travelled (VMT)

## TABLE OF CONTENTS (CONT.)

Section Page

**8.0 GOALS AND POLICIES ..... 121**

8.1 Roadway Network.....121
8.2 Bicycles and Pedestrians.....121
8.3 Public Transit.....122
8.4 Neighborhood Electric Vehicles/Golf Carts.....123
8.5 Goods Movement.....124
8.6 Scenic Highways.....124

**9.0 IMPLEMENTATION..... 127**

# APPENDICES

Existing (2012) Peak Hour Intersection Turning Movement Counts....4.1
Existing (2012) Average Daily Traffic Volume Counts....4.2
Existing (2012) Intersection Peak Hour Analysis....4.3
Existing (2012) Traffic Signal Warrants Analysis....4.4
Existing (2012) Vehicle Classification Counts....4.5
RCIP 2035 Refined Model Forecasts....7.1
RCIP 2035 Intersection Peak Hour Analysis....7.2
Proposed Menifee General Plan (Post-2035) Refined Model Forecasts....7.3
Proposed Menifee General Plan (Post-2035) Intersection Peak Hour Analysis....7.4
Proposed Menifee General Plan (Post-2035) Intersection Peak Hour Analysis, With Improvements....7.5
General Plan EDC Alternative (Post-2035) Refined Model Forecasts....7.6
General Plan EDC Alternative (Post-2035) Intersection Peak Hour Analysis....7.7
General Plan EDC Alternative (Post-2035) Intersection Peak Hour Analysis, With Improvements....7.8

# LIST OF EXHIBITS


| Exhibit | | Page |
|---|---|---|
| 1-1 | Location Map | 2 |
| 1-2 | Study Area Roadway Segments | 5 |
| 1-3 | Menifee Proposed Future Roadway Network | 9 |
| 3-1 | RCIP Roadway Network | 26 |
| 3-2 | Riverside County General Plan Roadway Cross-Sections | 27 |
| 4-1 | Existing number of Through Lanes and Intersection Controls | 30 |
| 4-2 | Existing (2012) Am Peak Hour Intersection Volumes | 31 |
| 4-3 | Existing (2012) Pm Peak Hour Intersection Volumes | 32 |
| 4-4 | Existing (2012) Average Daily Traffic (ADT) | 33 |
| 5-1 | City of Menifee Layered Transportation Networks | 46 |
| 5-2 | City of Menifee General Plan Roadway Cross-Sections | 48 |
| 5-3 | Proposed Menifee General Plan Roadway Network | 51 |
| 5-4 | Proposed Menifee / RCIP Modifications | 51 |
| 5-5 | State Route 74/Ethanac Road Convergence Area | 60 |
| 5-6 | Proposed Menifee Bikeway and Community Pedestrian Network | 62 |
| 5-7 | Potential Menifee Transit Services | 67 |
| 5-8 | Potential Menifee Neighborhood Electric Vehicle Network | 71 |
| 5-9 | Potential Menifee Truck Routes | 74 |
| 7-1 | RCIP (2035) Average Daily Traffic (ADT) | 80 |
| 7-2 | RCIP (2035) AM Peak Hour Intersection Volumes | 81 |
| 7-3 | RCIP (2035) PM Peak Hour Intersection Volumes | 82 |
| 7-4 | Proposed Menifee General Plan (Post-2035) Average Daily Traffic (ADT) | 92 |
| 7-5 | Proposed Menifee General Plan (Post-2035) AM Peak Hour Intersection Volumes | 93 |
| 7-6 | Proposed Menifee General Plan (Post-2035) PM Peak Hour Intersection Volumes | 94 |
| 7-7 | General Plan EDC Alternative (Post-2035) Average Daily Traffic (ADT) | 106 |
| 7-8 | General Plan EDC Alternative (Post-2035) AM Peak Hour Intersection Volumes | 107 |
| 7-9 | General Plan EDC Alternative (Post-2035) PM Peak Hour Intersection Volumes | 108 |

# LIST OF TABLES


| Table | | Page |
|---|---|---|
| 1-1 | Study Area Roadway Segment Locations | 6 |
| 1-2 | Study Area Intersection Analysis Locations | 10 |
| 1-3 | Study Area I-215 Segments | 11 |
| 2-1 | Roadway Segment Vehicle Capacity Thresholds | 14 |
| 2-2 | Signalized Intersection LOS Thresholds | 16 |
| 2-3 | Unsignalized Intersection LOS Thresholds | 18 |
| 4-1 | Existing (2012) Roadway Segment Analysis | 35 |
| 4-2 | Existing (2012) Intersection Analysis | 41 |
| 4-3 | Existing I-215 Mainline Analysis | 43 |
| 5-1 | Roadway Classification Comparison | 55 |
| 7-1 | RCIP (2035) Roadway Segment Analysis | 83 |
| 7-2 | RCIP (2035) Intersection Analysis | 89 |
| 7-3 | RCIP (2035) I-215 Mainline Analysis | 90 |
| 7-4 | Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis | 96 |
| 7-5 | Proposed Menifee General Plan (Post-2035) Intersection Analysis | 101 |
| 7-6 | Proposed Menifee General Plan (Post-2035) Intersection Analysis, With Improvements | 103 |
| 7-7 | Proposed Menifee General Plan (Post-2035) I-215 Mainline Analysis | 104 |
| 7-8 | General Plan EDC Alternative (Post-2035) Roadway Segment Analysis | 110 |
| 7-9 | General Plan EDC Alternative (Post-2035) Intersection Analysis | 115 |
| 7-10 | General Plan EDC Alternative (Post-2035) Intersection Analysis, With Improvements | 117 |
| 7-11 | General Plan EDC Alternative (Post-2035) I-215 Mainline Analysis | 118 |
| 9-1 | Draft Circulation Element Implementation Actions | 128 |

# CITY OF MENIFEE GENERAL PLAN
# CIRCULATION ELEMENT TRAFFIC STUDY
# CITY OF MENIFEE, CALIFORNIA

## 1.0 INTRODUCTION

On June 3, 2008, the residents of the communities encompassing the City of Menifee voted to incorporate Menifee into Riverside County's twenty-sixth city. The new City of Menifee was officially established on October 1, 2008. At incorporation, the City of Menifee adopted the existing Riverside County General Plan Circulation Element. This traffic study has been prepared in support of the City of Menifee's first General Plan Circulation Element. The purpose of the Circulation Element Traffic Study is to provide the technical traffic analysis to support the City of Menifee General Plan Circulation Element.

The City of Menifee is located in southwestern Riverside County approximately 30 miles southeast of the City of Riverside, California as shown on Exhibit 1-1. The City encompasses approximately 50 square miles and is split by Interstate 215 that traverses north and south through the center of Menifee, with existing community commercial areas located primarily along Newport, Bradley, and McCall Roads.

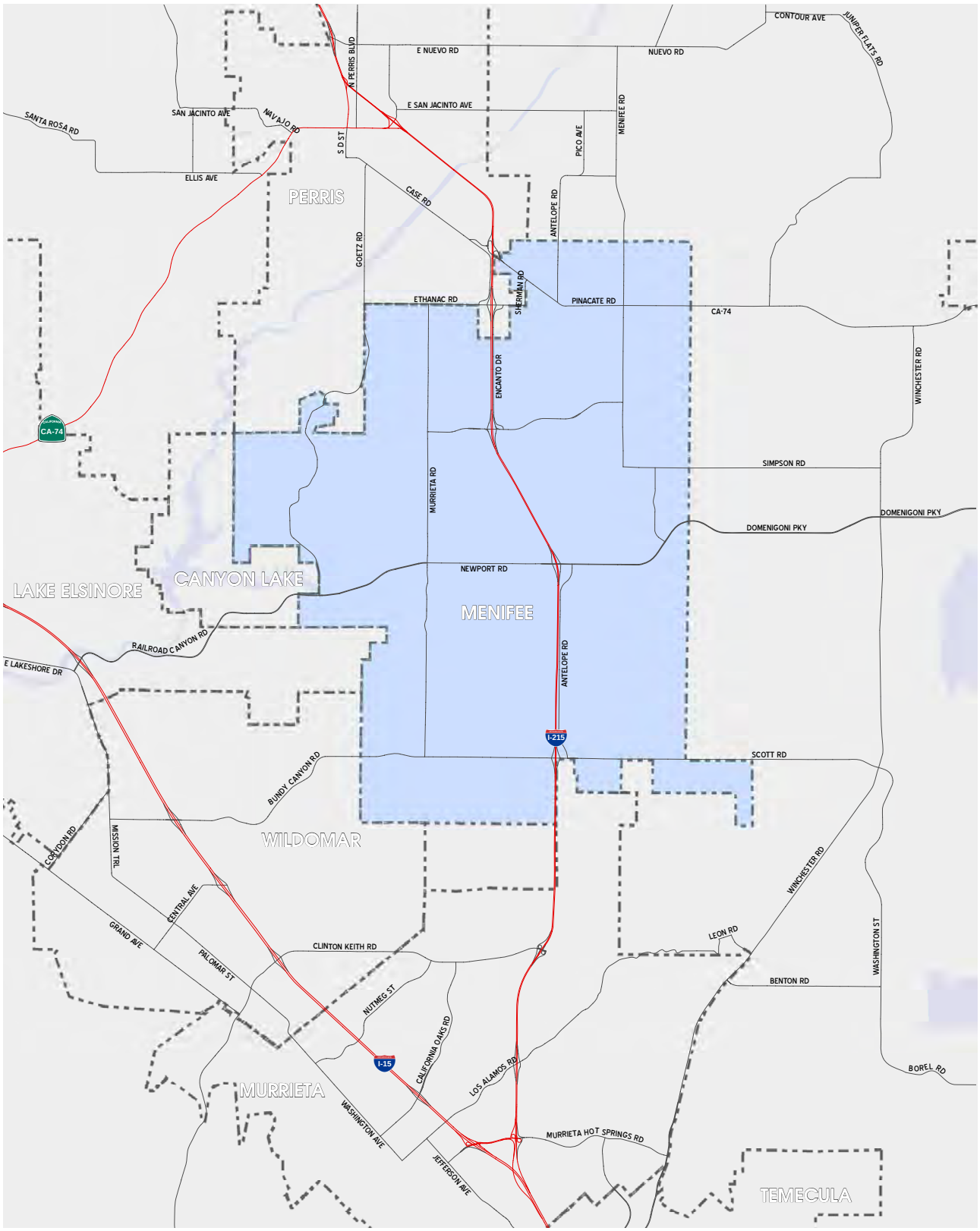
### 1.1 PROJECT OVERVIEW

The proposed Project is the preparation of the City of Menifee General Plan Circulation Element, encompassing approximately 29,813 acres. The City of Menifee is bordered by the City of Perris and unincorporated county to the north; City of Canyon Lake, City of Lake Elsinore, and City of Wildomar to the west; City of Wildomar, City of Murrieta, and unincorporated county to the south; and the unincorporated communities of Homeland and Winchester to the east.

The City of Menifee represents a collection of independently established residential communities, including Menifee Lakes, Quail Valley, Romoland, and Sun City. Approximately 40 percent of the land within the current city boundaries is developed with residential land uses, which accounts for 10,150 acres. The majority of the remaining land is vacant (44 percent). Agricultural land uses account for 6 percent of the land uses; the remaining land (10 percent) is occupied by educational, commercial, industrial, manufacturing, utilities, golf courses, and local parks and recreation land uses. In 2012, the City of Menifee had approximately 32,859 households and 86,411 people.

Residential housing in the City includes apartments, senior facilities, active adult communities, tract/master plan developments, and low density single-family homes. The City is bisected by the Interstate 215. The east side of the City is predominately master planned developments while the west side is a blend of existing homes and new/future development. Recent development projects include sidewalks and other

# Exhibit 1-1
# Location Map




MENIFEE GENERAL PLAN

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20120730LocationMap 7/30/2012 0 0.5 1 Mile

amenities not present in rural parts of the city. Over time, the City will make transportation investments where necessary to provide infrastructure for a vibrant, healthy, accessible and interconnected community.

The City of Menifee General Plan update process began in 2009 and has been through an extensive planning and analysis process lasting several years. The development of the Circulation Element started with a detailed review of the existing conditions. The existing or baseline condition describes the transportation network and operating conditions that exist today. However, the General Plan Circulation Element is forward looking and it is used to identify the transportation infrastructure needed to support City's vision as proposed by City of Menifee General Plan Land Use Element. To identify the transportation infrastructure and describe the future transportation conditions, Urban Crossroads, Inc. built a focused version of the Riverside County Transportation Analysis Model (RivTAM) for purposes of evaluating the City of Menifee General Plan. The traffic model was developed in coordination with City staff members and will provide a resource to evaluate alternative roadway networks.

Components of the proposed Circulation Element have been created to encourage travel via modes other than standard automobiles; including bicycle/pedestrian, public transit, and neighborhood electric vehicles (NEVs)/golf carts. These layered transportation networks have been refined to provide a comprehensive plan for circulation in the City of Menifee. As a result of this General Plan update process, a number of recommendations related to the Circulation Element have also been developed. These recommendations include more detailed stratification of the roadway classifications, along with the addition of Enhanced Intersection designations as well as Collector and Rural roadway classifications.

The Circulation Element emphasizes the upgrade and maintenance of a transportation system for the City that responds to the demands of the current and planned land uses, as set forth in the Land Use Element. The traffic associated with the planned General Plan land use is evaluated throughout the City with respect to daily traffic volumes. Additionally, peak hour intersection analysis has been performed at selected key intersections.

The City of Menifee General Plan Circulation Element is not contained in a vacuum—state and regional programs have helped shape the Plan and its goals and policies; in turn, the Plan's goals and policies work together to meet the intent of various programs. Six of these key programs are summarized in Section 3 of this report; following each summary is a discussion of the City of Menifee Circulation Plan's relationship to the program.

## 1.2 ANALYSIS SCENARIOS

The City of Menifee General Plan Circulation Element Traffic Study evaluates the existing (2012) conditions, one interim year scenario (RCIP 2035), and two separate buildout (Post-2035) scenarios. The RCIP 2035 scenario includes nominal growth in City of Menifee employment in comparison to existing conditions, and a population growth of approximately 30 percent.

The Post-2035 scenarios account for full occupancy of residential and non-residential land uses included in the proposed General Plan Land Use Element. Buildout of the proposed land use plan is projected to accommodate approximately 63,754 dwelling units and 158,948 people (approximately 80% increase in population over existing conditions). The buildout scenarios potentially increase employment by more than 80,000 jobs (a fivefold increase over existing conditions) and greatly improve the jobs/housing balance within the City.

The difference in the buildout scenarios affects 174 acres in the southwest corner of the General Plan Study Area, westerly of Interstate 215 and southerly of Scott Road. A summary of the differences between the primary Post-2035 scenario and the expanded Economic Development Corridor (EDC) Post 2035 scenario are shown below.

- Increase the EDC area
  - add 174 acres to the southwest corner of the EDC
  - increase nonretail 2,880,187 square feet
- Reduce the Rural Residential area
  - remove 4 acres of RR1 Rural Residential (1 acre min) and 170 acres of RR2 Rural Residential (2 acre min)
  - reduce population by 550 persons
  - reduce total units by 89

## 1.3 STUDY AREA

The traffic study area focuses on the backbone infrastructure needed to support the transportation goals of the City. The study area defined for this analysis is based on a review of the key roadway segments shown on Exhibit 1-2. The study area includes 97 roadway segment analysis locations. Table 1-1 provides a summary of the study area roadway segments.

The roadway segment analysis locations are used primarily for long-range planning purposes, and they are not precise measures of capacity. The ultimate capacity of a roadway is based upon a number of factors. These factors include the relationships between peak hour and daily traffic volumes, the roadway design features (access spacing, intersection geometries, etc.), and the proportions and amount of turning movements at key intersections (along with the amount of traffic crossing the roadway, or turning onto or off of the roadway at intersecting roadways). To provide additional detail on study area roadway segments within the City, peak hour intersection analysis was performed at 33 key locations throughout the City. The locations shown on Exhibit 1-3 and listed on Table 1-2 were selected for this traffic study based on input from the City of Menifee Traffic Engineering Division. While the City of Menifee does not control the I-215, the capacity and operations of the mainline are a key consideration for any future planning efforts. To supplement the City's roadway segment and intersection capacity analysis, this study also considers the mainline freeway segments along I-215 as shown on Table 1-3.

EXHIBIT 1-2

# STUDY AREA ROADWAY SEGMENTS

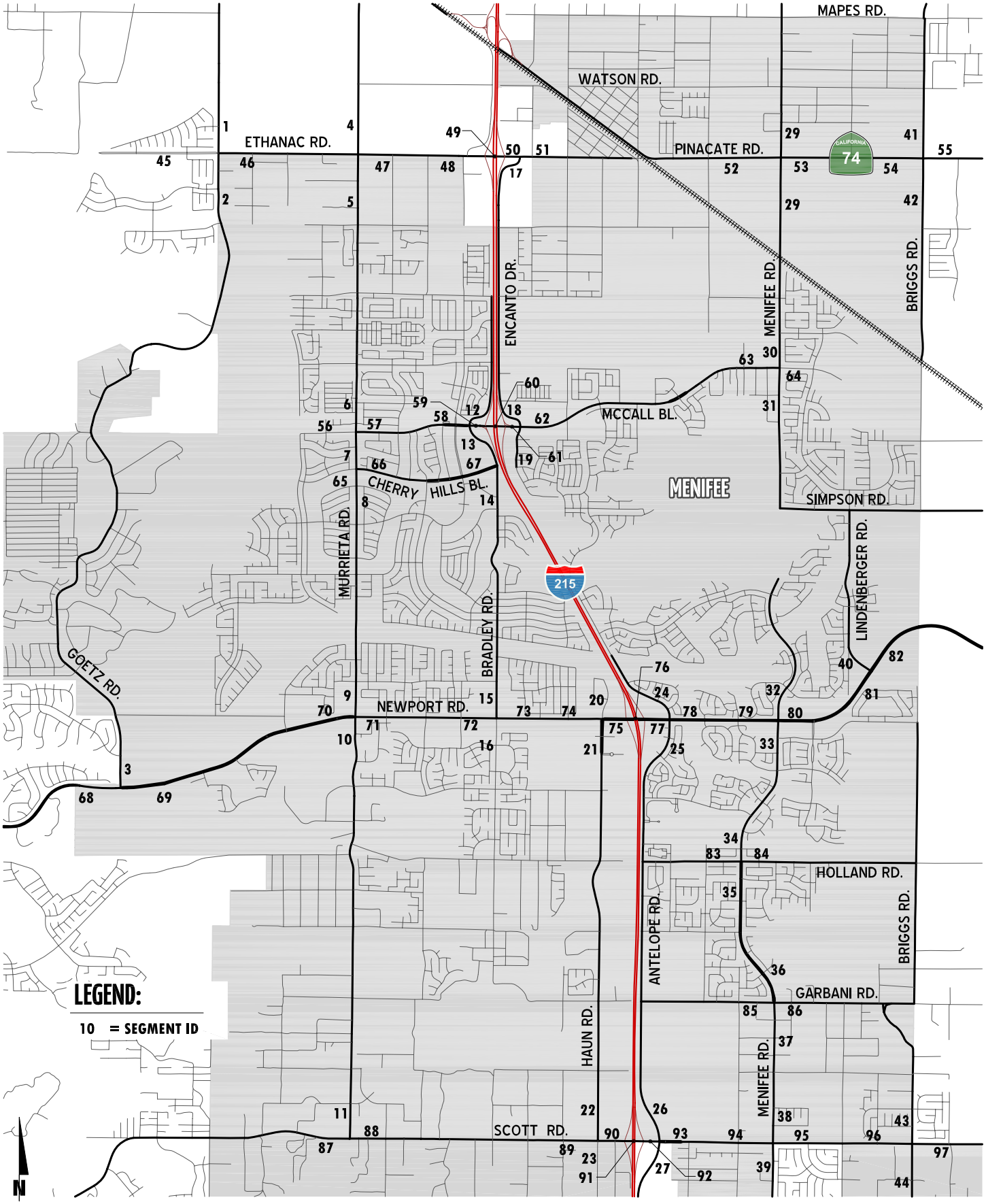


**Table 1-1 (1 of 3)**

**Study Area Roadway Segment Locations**

| Roadway | ID | Segment |
|---|---|---|
| Goetz Road | 1 | North of Ethanac Rd. |
| | 2 | South of Ethanac Rd. |
| | 3 | North of Newport Rd. |
| Murrieta Road | 4 | North of Ethanac Rd. |
| | 5 | South of Ethanac Rd. |
| | 6 | North of McCall Bl. |
| | 7 | Between McCall Bl. & Cherry Hills Bl. |
| | 8 | South of Cherry Hills Bl. |
| | 9 | North of Newport Rd. |
| | 10 | South of Newport Rd. |
| | 11 | North of Scott Rd. |
| Bradley Road | 12 | North of McCall Bl. |
| | 13 | Between McCall Bl. & Cherry Hills Bl. |
| | 14 | South of Cherry Hills Bl. |
| | 15 | North of Newport Rd. |
| | 16 | South of Newport Rd. |
| Encanto Road | 17 | South of Ethanac Rd. |
| | 18 | North of McCall Bl. |
| | 19 | South of McCall Bl. |
| Haun Road | 20 | North of Newport Rd. |
| | 21 | South of Newport Rd. |
| | 22 | North of Scott Rd. |
| | 23 | South of Scott Rd |
| Antelope Road | 24 | North of Newport Rd. |
| | 25 | South of Newport Rd. |
| | 26 | North of Scott Rd. |
| | 27 | South of Scott Rd |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) |
| | 29 | South of SR-74 (Pinacate Rd.) |
| | 30 | North of McCall Bl. |
| | 31 | Between McCall Bl. & Simpson Rd |
| | 32 | North of Newport Rd. |
| | 33 | South of Newport Rd. |
| | 34 | North of Holland Rd. |
| | 35 | South of Holland Rd. |
| | 36 | North of Garbani Rd. |
| | 37 | South of Garbani Rd. |
| | 38 | North of Scott Rd. |
| | 39 | South of Scott Rd |

**Table 1-1 (2 of 3)**

**Study Area Roadway Segment Locations**

| Roadway | ID | Segment |
|---|---|---|
| Lindenberger Road | 40 | North of Newport Rd. |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) |
| | 42 | South of SR-74 (Pinacate Rd.) |
| | 43 | North of Scott Rd. |
| | 44 | South of Scott Rd |
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. |
| | 46 | Between Goetz Rd & Murrieta Rd. |
| | 47 | East of Murrieta Rd. |
| | 48 | West of I-215 SB Ramp |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp |
| | 50 | Between I-215 NB Ramp & Encanto Dr. |
| | 51 | East of Encanto Dr. |
| | 52 | West of Menifee Rd. |
| | 53 | East of Menifee Rd. |
| | 54 | West of Briggs Rd. |
| | 55 | East of Briggs Rd. |
| McCall Boulevard | 56 | West of Murrieta Rd. |
| | 57 | East of Murrieta Rd. |
| | 58 | West of Bradley Rd. |
| | 59 | Between Bradley Rd & I-215 SB Ramp |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp |
| | 61 | Between I-215 NB Ramp & Encanto Dr. |
| | 62 | East of Encanto Dr. |
| | 63 | West of Menifee Rd. |
| | 64 | East of Menifee Rd. |
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. |
| | 66 | East of Murrieta Rd. |
| | 67 | West of Bradley Rd. |

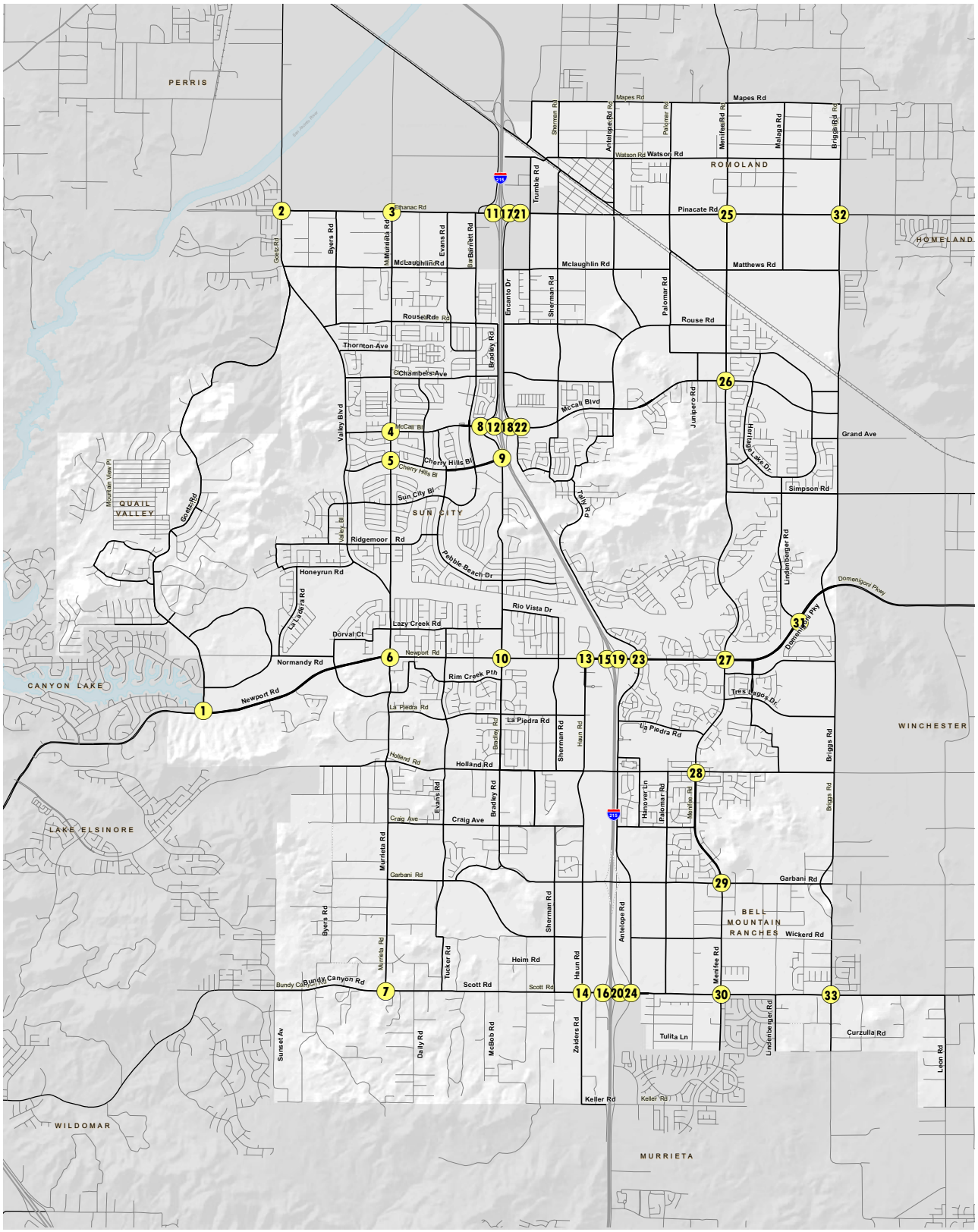
**Table 1-1 (3 of 3)**

**Study Area Roadway Segment Locations**

| Roadway | ID | Segment |
|---|---|---|
| Newport Road | 68 | West of Goetz Rd. |
| | 69 | East of Goetz Rd. |
| | 70 | West of Murrieta Rd. |
| | 71 | East of Murrieta Rd. |
| | 72 | West of Bradley Rd. |
| | 73 | East of Bradley Rd. |
| | 74 | West of Haun Rd. |
| | 75 | Between Haun Rd. & I-215 SB Ramp |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp |
| | 77 | Between I-215 NB Ramp & Antelope Rd. |
| | 78 | East of Antelope Rd. |
| | 79 | West of Menifee Rd. |
| | 80 | East of Menifee Rd. |
| | 81 | West of Lindenberger Rd. |
| | 82 | East of Lindenberger Rd. |
| Holland Road | 83 | West of Menifee Rd. |
| | 84 | East of Menifee Rd. |
| Garbani Road | 85 | West of Menifee Rd. |
| | 86 | East of Menifee Rd. |
| Scott Road | 87 | West of Murrieta Rd. |
| | 88 | East of Murrieta Rd. |
| | 89 | West of Haun Rd. |
| | 90 | Between Haun Rd. & I-215 SB Ramp |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp |
| | 92 | Between I-215 NB Ramp & Antelope Rd. |
| | 93 | East of Antelope Rd. |
| | 94 | West of Menifee Rd. |
| | 95 | East of Menifee Rd. |
| | 96 | West of Briggs Rd. |
| | 97 | East of Briggs Rd. |

Exhibit 1-3

# Menifee Proposed Future Roadway Network




MENIFEE GENERAL PLAN

20120821Intersections 8/21/2012 0 0.5 1 Mile

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**Table 1-2**

**Study Area Intersection Analysis Locations**

| ID | Intersection Location | Existing Traffic Control Type[1] |
|---|---|---|
| 1 | Goetz Road (NS) at Newport Road (EW) | TS |
| 2 | Goetz Road (NS) at Ethanac Road (EW) | TS |
| 3 | Murrieta Road (NS) at Ethanac Road (EW) | AWS |
| 4 | Murrieta Road (NS) at McCall Boulevard (EW) | TS |
| 5 | Murrieta Road (NS) at Cherry Hills Boulevard (EW) | TS |
| 6 | Murrieta Road (NS) at Newport Road (EW) | TS |
| 7 | Murrieta Road (NS) at Scott Road (EW) | AWS |
| 8 | Bradley Road (NS) at McCall Boulevard (EW) | TS |
| 9 | Bradley Road (NS) at Cherry Hills Boulevard (EW) | AWS |
| 10 | Bradley Road (NS) at Newport Road (EW) | TS |
| 11 | I-215 Southbound Ramps (NS) at Ethanac Road (EW) | TS |
| 12 | I-215 Southbound Ramps (NS) at McCall Boulevard (EW) | TS |
| 13 | Haun Road (NS) at Newport Road (EW) | TS |
| 14 | Haun Road (NS) at Scott Road (EW) | TS |
| 15 | I-215 Southbound Ramps (NS) at Newport Road (EW) | TS |
| 16 | I-215 Southbound Ramps (NS) at Scott Road (EW) | TS |
| 17 | I-215 Northbound Ramps (NS) at Ethanac Road (EW) | TS |
| 18 | I-215 Northbound Ramps (NS) at McCall Boulevard (EW) | TS |
| 19 | I-215 Northbound Ramps (NS) at Newport Road (EW) | TS |
| 20 | I-215 Northbound Ramps (NS) at Scott Road (EW) | TS |
| 21 | Encanto Drive (NS) at Ethanac Road (EW) | CSS |
| 22 | Encanto Drive (NS) at McCall Boulevard (EW) | TS |
| 23 | Antelope Road (NS) at Newport Road (EW) | TS |
| 24 | Antelope Road (NS) at Scott Road (EW) | TS |
| 25 | Menifee Road (NS) at SR-74 (Pinacate Rd.) (EW) | TS |
| 26 | Menifee Road (NS) at McCall Boulevard (EW) | TS |
| 27 | Menifee Road (NS) at Newport Road (EW) | TS |
| 28 | Menifee Road (NS) at Holland Road (EW) | AWS |
| 29 | Menifee Road (NS) at Garbani Road (EW) | AWS |
| 30 | Menifee Road (NS) at Scott Road (EW) | TS |
| 31 | Lindenberger Road (NS) at Domenigoni Parkway (EW) | TS |
| 32 | Briggs Road (NS) at SR-74 (Pinacate Rd.) (EW) | TS |
| 33 | Briggs Road (NS) at Scott Road (EW) | TS |

[1] TS = Traffic Signal; AWS = All Way Stop; CSS = Cross Street Stop

**Table 1-3**

**Study Area I-215 Segments**

| ID | Segment Limits |
|---|---|
| 1 | North of SR-74 (Ethanac Road) |
| 2 | SR-74 (Ethanac Road) to McCall Boulevard |
| 3 | McCall Boulevard to Newport Road |
| 4 | Newport Road to Scott Road |
| 5 | South of Scott Road |

# 2.0 METHODOLOGIES

This section documents the methodologies and assumptions used to perform this traffic study.

## 2.1 LEVEL OF SERVICE

Traffic operations of roadway facilities are described using the term "Level of Service" (LOS). LOS is a qualitative description of traffic flow based on several factors such as speed, travel time, delay, and freedom to maneuver. Six levels are typically defined ranging from LOS “A”, representing completely free-flow conditions, to LOS “F”, representing breakdown in flow resulting in stop-and-go conditions. LOS “E” represents operations at or near capacity, an unstable level where vehicles are operating with the minimum spacing for maintaining uniform flow.

## 2.2 ROADWAY SEGMENT DAILY CAPACITY ANALYSIS

A LOS analysis was prepared on existing roadway segments within the study area using daily roadway capacities. The roadway segment capacities are approximate figures only, and are used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet traffic demand. Roadway segment analysis is typically performed for planning purposes and are affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic) and pedestrian and bicycle traffic.

Table 2-1 presents the City of Menifee roadway segment capacities and LOS thresholds for each facility type. The roadway segment vehicle capacity thresholds represent the maximum two-way average daily traffic volume for LOS “E” conditions and are based on the 2001 County of Riverside General Plan Circulation Element Link Volume Capacities.

The roadway segment analysis compares the ADT volume with the capacity to arrive at a volume to capacity or v/c ratio. Based on the v/c ratio, each study area roadway segment is classified into one of four categories; Acceptable (v/c 0.00-0.79), Approaching Capacity (v/c 0.80-1.00), Potentially Exceeds Capacity (v/c 1.01-1.25), and Exceeds Capacity (v/c > 1.26).

The roadway segment daily capacity analysis is used to identify those roadway facilities that potentially exceed or exceed the estimated traffic volume for LOS “E” conditions. Since the LOS for each roadway segment is largely a function of the adjacent intersection operations, it is important to consider the intersection LOS in combination with the roadway segment v/c ratios. If the adjacent intersections are operating at an acceptable LOS during peak hour conditions, then it is likely that the roadway segment will also operate at an acceptable LOS even if the v/c ratio indicates that the ADT may approach or exceed the roadway capacity. Moreover, if both the roadway segment is experience capacity

**Table 2-1**

**Roadway Segment Vehicle Capacity Thresholds**

| Roadway Classification | Number of Through Lanes | Right-of-way Width (Feet) | Roadway Capacity (Average Daily Traffic)[2] |
|---|---|---|---|
| Collector | 2 | 56 - 74 | 13,000 |
| Secondary | 4 | 88 - 100 | 25,900 |
| Major | 4 | 100 - 118 | 34,100 |
| Arterial | 4 | 106 - 128 | 35,900 |
| Urban Arterial | 6 | 130 - 152 | 53,900 |
| Expressway | 6 | 130 - 200 | 61,300 |
| Expressway | 8 | 150 - 216 | 81,700 |
| Freeway | 4 | Caltrans | 76,500 |
| Freeway | 6 | Caltrans | 117,500 |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] Estimated Two-Way Average Daily Traffic (ADT) Capacity for Level of Service (LOS) E conditions.

constraints and the adjacent intersections are operating at unacceptable LOS, then additional through lane capacity is likely required for the roadway segment and the adjacent intersection locations.

The roadway segment analysis is presented as a planning tool to assess the adequacy of the existing and proposed General Plan Circulation Element functional roadway classifications. This information is used in combination with a review of the expected traffic demands, access restrictions and physical constraints. The roadway segment analysis

## 2.3 INTERSECTION PEAK HOUR CAPACITY ANALYSIS

The definitions of LOS for interrupted traffic flow (flow restrained by the existence of traffic signals and other traffic control devices) differ slightly depending on the type of traffic control. The LOS is typically dependent on the quality of traffic flow at the intersections along a roadway. The *Highway Capacity Manual* (HCM) (Transportation Research Board 2000) methodology expresses the LOS at an intersection in terms of delay time for the various intersection approaches. The HCM uses different procedures depending on the type of intersection control. The intersection LOS analysis is based on the traffic volumes observed during the peak hour conditions. The following peak hours were selected for analysis:

- Weekday AM Peak Hour (peak hour between 7:00 AM and 9:00 AM)
- Weekday PM Peak Hour (peak hour between 4:00 PM and 6:00 PM)

### 2.3.1 SIGNALIZED INTERSECTIONS

The City of Menifee requires signalized intersection operations analysis based on the methodology described in Chapter 16 of the HCM. Intersection LOS operations are based on an intersection's average control delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. For signalized intersections LOS is directly related to the average control delay per vehicle and is correlated to a LOS designation as described in Table 2-2.

All signalized study area intersections have utilized the Traffix software (Version 8.0 R1, 2008), with the exception of the I-215 ramp intersections which have utilized the Synchro software.

The peak hour traffic volumes have been adjusted using a peak hour factor (PHF) to reflect peak 15 minute volumes. Common practice for LOS analysis is to use a peak 15-mintue rate of flow. However, flow rates are typically expressed in vehicles per hour. The PHF is the relationship between the peak 15-minute flow rate and the full hourly volume (e.g. PHF = [Hourly Volume] / [4 x Peak 15-minute Flow Rate]). The use of a 15-minute PHF produces a more detailed analysis as compared to analyzing vehicles per hour. For existing (2012) conditions the observed (counted) PHF were used to establish the peak hour volumes. A uniform PHF of 0.95 was used to calculate the long-range future peak hour volumes.

**Table 2-2**

**Signalized Intersection LOS Thresholds[1]**

| Level of Service | Description | Average Control Delay (Seconds) |
|---|---|---|
| A | Operations with very low delay occurring with favorable progression and/or short cycle length. | 0 to 10.00 |
| B | Operations with low delay occurring with good progression and/or short cycle lengths. | 10.01 to 20.00 |
| C | Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear. | 20.01 to 35.00 |
| D | Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and individual cycle failures are noticeable. | 35.01 to 55.00 |
| E | Operations with high delay values indicating poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay. | 55.01 to 80.00 |
| F | Operation with delays unacceptable to most drivers occurring due to over saturation, poor progression, or very long cycle lengths | 80.01 and up |

[1] Source: HCM 2000, Chapter 16

### 2.3.2 UNSIGNALIZED INTERSECTIONS

The City of Menifee requires the operations of unsignalized intersections be evaluated using the methodology described in Chapter 17 of the HCM. The LOS rating is based on the weighted average control delay expressed in seconds per vehicle (see Table 2-3). At two-way or side-street stop-controlled intersections, LOS is calculated for each controlled movement and for the left turn movement from the major street, as well as for the intersection as a whole. For approaches composed of a single lane, the delay is computed as the average of all movements in that lane. For all-way stop controlled intersections, LOS is computed for the intersection as a whole. All unsignalized study area intersections have utilized the Traffix software (Version 8.0 R1, 2008).

## 2.4 TRAFFIC SIGNAL WARRANT ANALYSIS METHODOLOGY

The term "signal warrants" refers to the list of established criteria used by Caltrans and other public agencies to quantitatively justify or ascertain the potential need for installation of a traffic signal at an otherwise unsignalized intersection. This traffic study uses the signal warrant criteria presented in the latest edition of the Federal Highway Administration's (FHWA) *Manual on Uniform Traffic Control Devices (MUTCD)*, as amended by the *2012 California MUTCD (CA MUTCD)*, for all study area intersections.

The signal warrant criteria for existing (2012) conditions are based upon several factors, including volume of vehicular and pedestrian traffic, frequency of accidents, and location of school areas. Both the FHWA's *MUTCD* and the *2012 CA MUTCD* indicate that the installation of a traffic signal should be considered if one or more of the signal warrants are met. Specifically, this traffic study utilizes the Peak Hour Volume-based Warrant 3 as the appropriate representative traffic signal warrant analysis for existing traffic conditions. Warrant 3 criteria are basically identical for both the FHWA's *MUTCD* and the *2012 CA MUTCD*. Warrant 3 is appropriate to use for this traffic study because it provides specialized warrant criteria for intersections with rural characteristics (e.g. located in communities with populations of less than 10,000 persons or with adjacent major streets operating at or above 40 miles per hour).

While the analysis worksheet provides an indication that a signal is warranted, the satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of traffic control signal. Rather, the planning level warrants indicate the need for additional engineering analysis based on existing conditions to demonstrate that installing a traffic control signal will improve the overall safety and/or operation of the intersection.

## 2.5 LOS CRITERIA

LOS "D" is generally considered acceptable at intersections within the City of Menifee. LOS "E" may be allowed in designated Economic Development Corridors to the extent that it would support transit-

**Table 2-3**

**Unsignalized Intersection LOS Thresholds[1]**

| Level of Service | Description | Average Control Delay (Seconds) |
|---|---|---|
| A | Little or no delays. | 0 to 10.00 |
| B | Short traffic delays. | 10.01 to 15.00 |
| C | Average traffic delays. | 15.01 to 25.00 |
| D | Long traffic delays. | 25.01 to 35.00 |
| E | Very long traffic delays. | 35.01 to 50.00 |
| F | Extreme traffic delays with intersection capacity exceeded. | > 50.00 |

[1] Source: HCM 2000, Chapter 17

oriented development and pedestrian communities. The LOS criteria recognizes the physical and financial limitations of providing additional infrastructure to satisfy peak hour traffic demands considering that traffic congestion itself encourages the use of alternative modes of transportation. LOS "E" may also be used at constrained intersections in close proximity to I-215 such as Haun/Newport, Bradley/McCall, Antelope/Scott, and Haun/Scott.

# 3.0 REGULATORY SETTING

Local planning activities are responsive to the broader guidelines established by state and federal agencies. This section describes the regulatory setting for the proposed City of Menifee General Plan Circulation Element.

## 3.1 CALIFORNIA ASSEMBLY BILL 32 (2006) AND SENATE BILL 375 (2008)

Assembly Bill 32, the Global Warming Solutions Act of 2006 (AB 32), is the primary state policy created with the purpose of reducing greenhouse gas emissions in California. AB 32 created emissions reduction targets and granted authority over emissions reduction to the California Air Resources Board (ARB). Senate Bill 375, the Sustainable Communities and Climate Protection Act of 2008 (SB 375), which was passed by the legislature as a tool for working towards AB 32's reduction goals, requires ARB to set regional GHG emissions targets and requires each California metropolitan planning organizations (MPO) to develop a Sustainable Community Strategy (SCS) that integrates housing, transportation, and land use policy. These mandates were designed with the intention of reducing vehicle miles traveled, and thus, GHG emissions. Additionally the California Air Resources Board (CARB) Scoping Plan outlines ways to achieve GHG reductions in California as required by AB 32.

**RELATIONSHIP OF THE CITY OF MENIFEE CIRCULATION PLAN TO AB 32 AND SB 375:** The City of Menifee Circulation Plan defines a network of bicycle routes, transit, neighborhood electric vehicle (NEV)/golf cart routes and pedestrian accommodations that encourages Menifee residents to utilize modes of transportation other than the automobile. The Plan provides a network to connect to regional bicycle and pedestrian trails from the Western Riverside County Non-Motorized Transportation Plan (Urban Crossroads, Inc., June 2010). The Non-Motorized Transportation Plan evaluates demand for such facilities. This City of Menifee General Plan Traffic Study also describes public transit, and NEV connectivity to major employment and activity centers to facilitate access to these destinations without the use of an automobile.

## 3.2 WESTERN RIVERSIDE COUNTY NON-MOTORIZED TRANSPORTATION PLAN

The Western Riverside Council of Governments (WRCOG) adopted a Non-Motorized Transportation Plan (NMTP) in 2010. The NMTP includes a system of regional routes through western Riverside County, including the City of Menifee. Although the NMTP is non-binding to participating agencies, the plan consolidated adopted bike plans where available and created a recommended system of supporting routes to connect systems to each other and serve as regional non-motorized transportation backbone. The NMTP included four routes that directly serve Menifee and connect to neighboring jurisdictions. These regionally significant routes were identified in the NMTP as follows:

- Route 15: Future Class I bike path along Salt Creek with an eastern connection to the City of Hemet and a western connection to the City of Lake Elsinore.

- Route 19: Future Class II bike lane along Scott Road/Bundy Canyon Road connecting to Mission Trail in the City of Lake Elsinore and Washington Street in French Valley.
- Route 23: Future Class II bike lane along Bradley Road/Holland Road/Haun Road with a northern terminus at Salt Creek in the City of Menifee and connecting to the City of Murrieta at Keller Road/Antelope Road.
- Route 24: Future Class II bike lane along Mathews Road connecting to the City of Perris at Case Road and County of Riverside at Leon Road.

**RELATIONSHIP OF THE CITY OF MENIFEE CIRCULATION PLAN TO THE NMTP:** The City of Menifee Circulation Plan provides a framework for key routes and facilities that will enhance connectivity to NMTP routes within the City of Menifee and between nearby jurisdictions. The proposed plan enables travel by various modes to major activity areas, including civic and county facilities, hospitals, libraries, major parks and recreation area, colleges, malls and major retail centers and large employment centers. It also serves existing and future planned transit facilities, including links to potential future Metrolink stations.

## 3.3 AB 1358 CALIFORNIA COMPLETE STREETS ACT OF 2008

The Complete Street Act of 2008 (Assembly Bill 1358) was developed in response to and in support of other legislation aimed at reducing vehicle emissions through reduced trip length and frequency combined with changes in land use policies. Specifically, the bill directs that:

> *"…commencing January 1, 2011, that the legislative body of a city or county, upon any substantive revision of the circulation element of a general plan, modify the circulation element to plan for a balanced, multi-modal transportation network that meets the needs of all users of streets, roads, and highways, defined to include motorists, pedestrians, bicyclists, children, persons with disabilities, seniors, movers of commercial goods, and users of public transportation,* ***in a manner that is suitable to the rural, suburban, or urban context of the general plan.****" [emphasis added]*

The bill includes several key provisions including a requirement that the state amend guidelines to show how "appropriate accommodation varies depending on its transportation and land use context." Reducing vehicle miles travelled and enabling short trips in an automobile to be replaced by biking, walking, neighborhood electric vehicles (NEVs)/ golf carts, and use of public transit is the goal. Ultimately, a well balanced transportation system can move more people (rather than vehicles) efficiently and at a reasonable cost. There is no-one-size-fits-all solution. The City of Menifee is home to a diverse cross section of individuals, families, and commerce. The transportation system should reflect the range of needs in a well thought out manner.

The Complete Streets Act is supported by Caltrans Deputy Directive DD-64-R1. DD-64-R1 memorializes the importance of pedestrian and bicycle facilities to the state's transportation system and outlines responsibilities for Caltrans employees to ensure that travelers of all ages and abilities can move safely and efficiently along and across a network of complete streets throughout the state.

**RELATIONSHIP OF THE CITY OF MENIFEE CIRCULATION PLAN TO THE COMPLETE STREETS ACT:** The City of Menifee Circulation Plan meets the goals and policies of the Complete Streets Act in several ways. First, the Plan fundamentally increases the range of transportation options for travel within the City of Menifee and to adjacent western Riverside County jurisdictions by identifying a backbone network of bicycle and pedestrian routes. This on- and off-street network of routes improves safety for pedestrians and cyclists by providing dedicated facilities apart from motorist. The Plan also addresses ancillary facilities that are necessary to make a complete street work: the Plan establishes preferred or "typical" design standards for route classifications and addresses a variety of modes in layered transportation networks.

## 3.4 THE REGIONAL TRANSPORTATION PLAN (RTP)

On April 4, 2012, the Regional Council of the Southern California Association of Governments (SCAG) adopted the 2012-2035 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS): Towards a Sustainable Future. The 2012–2035 RTP/SCS includes a strong commitment to reduce emissions from transportation sources to comply with SB 375, improve public health, and meet the National Ambient Air Quality Standards as set forth by the federal Clean Air Act. As such, the 2012–2035 RTP/SCS contains a regional commitment for the broad deployment of zero- and near-zero emission transportation technologies in the 2023–2035 time frame and clear steps to move toward this objective.

The SCS focuses the majority of new housing and job growth in high-quality transit areas and other opportunity areas in existing main streets, downtowns, and commercial corridors, resulting in an improved jobs-housing balance and more opportunity for transit-oriented development. This overall land use development pattern supports and complements the proposed transportation network that emphasizes system preservation, active transportation, and transportation demand management measures.

This RTP/SCS achieves greenhouse gas emission-reduction targets set by ARB by achieving a 9 percent reduction by 2020 and 16 percent reduction by 2035 compared to the 2005 level on a per capita basis. This air quality benefit is made possible largely by more sustainable planning, integrating transportation and land use decisions to allow Southern Californians to live closer to where they work and play, and to high-quality transit service. As a result, more residents will be able to use transit and active transportation as a safe and attractive means of travel.

**RELATIONSHIP OF THE CITY OF MENIFEE CIRCULATION PLAN TO SCAG'S RTP/SCS:** The City of Menifee Circulation Plan supports the goals identified in SCAG's RTP/SCS in a variety of ways. The Plan seeks to integrate a variety of modes through a series of layered transportation networks (see Section 5 of this traffic study). A system of paths, sidewalks, and trails provides the most direct route to potential destinations. Accommodations for NEVs and golf carts are provided, and key transit nodes are identified. In addition, the Land Use Element sets the stage for improvements in the balance of jobs and housing within the City.

It is recommended that the City of Menifee continue to coordinate with the Riverside County Transportation Commission, Riverside Transit Agency, Western Riverside Council of Governments and SCAG to ensure that the Plan is integrated with the RTP and consistent with sub regional initiatives.

## 3.5 RIVERSIDE COUNTY CONGESTION MANAGEMENT PROGRAM (CMP)

The Congestion Management Program in effect in Riverside County was approved by the Riverside County Transportation Commission (RCTC) in 2010. All freeways and selected arterial roadways in the county are designated elements of the CMP system of highways and roadways. There are two CMP system roadways in the City, I-215 and SR-74. Traffic impacts to these two roadways that would result from General Plan buildout are analyzed in this study. RCTC has adopted a minimum Level of Service threshold of LOS "E" for CMP facilities.

## 3.6 RIVERSIDE COUNTY GENERAL PLAN CIRCULATION ELEMENT

Since incorporation of the City in 2008, the County of Riverside's General Plan Circulation Element has been utilized for the purposes of providing a transportation framework. The County's Circulation Element was adopted in 2003 through the Riverside County Integrated Project (RCIP). The RCIP represented a comprehensive planning process to determine future placement of buildings, roads, and open spaces for Riverside County. The purpose of the RCIP was to create plans that are coherent and consistent for transportation, land use, and the environment.

The RCIP vehicular circulation system is anchored by Interstate 215, which is the major thoroughfare in this portion of the County, linking Menifee to northern Riverside County and San Diego County. A system of connected major and arterial highways and collector roads serves local uses and augments Interstate 215 in moving through traffic to and from other communities. Expressways and arterials include Ethanac Road, McCall Boulevard, Newport Road, Scott Road, Briggs Road, Murrieta Road, and Menifee Road.

The adopted RCIP roadway network provides the basis for the developing the City of Menifee General Plan roadway network. This is critical since any changes to the roadway classifications and/or cross-sections will impact future development within the City. The general plan roadway network defines the

right-of-way dedications and capacity requirements needed to support buildout of proposed general plan land uses.

Exhibit 3-1 shows the RCIP roadway network adopted in the County of Riverside General Plan Circulation Element in 2003, and Exhibit 3-2 illustrates the County of Riverside General Plan roadway cross-sections.

Riverside County General Plan Policy C 2.1 states that the County will maintain the following County-wide target level of service (LOS): LOS "C" on all County-maintained roads and conventional State Highways. As an exception, LOS "D" may be allowed in Community Development areas at intersections of any combination of Secondary Highways, Major Highways, Arterial Highways, Urban Arterial Highways, Expressways or conventional State Highways. LOS "E" may be allowed in designated Community Centers to the extent that it would support transit-oriented development and pedestrian communities.

Regarding Caltrans' ramp connections to arterial intersections and other Caltrans maintained facilities, the published Caltrans traffic study guidelines (December 2002) states the following:

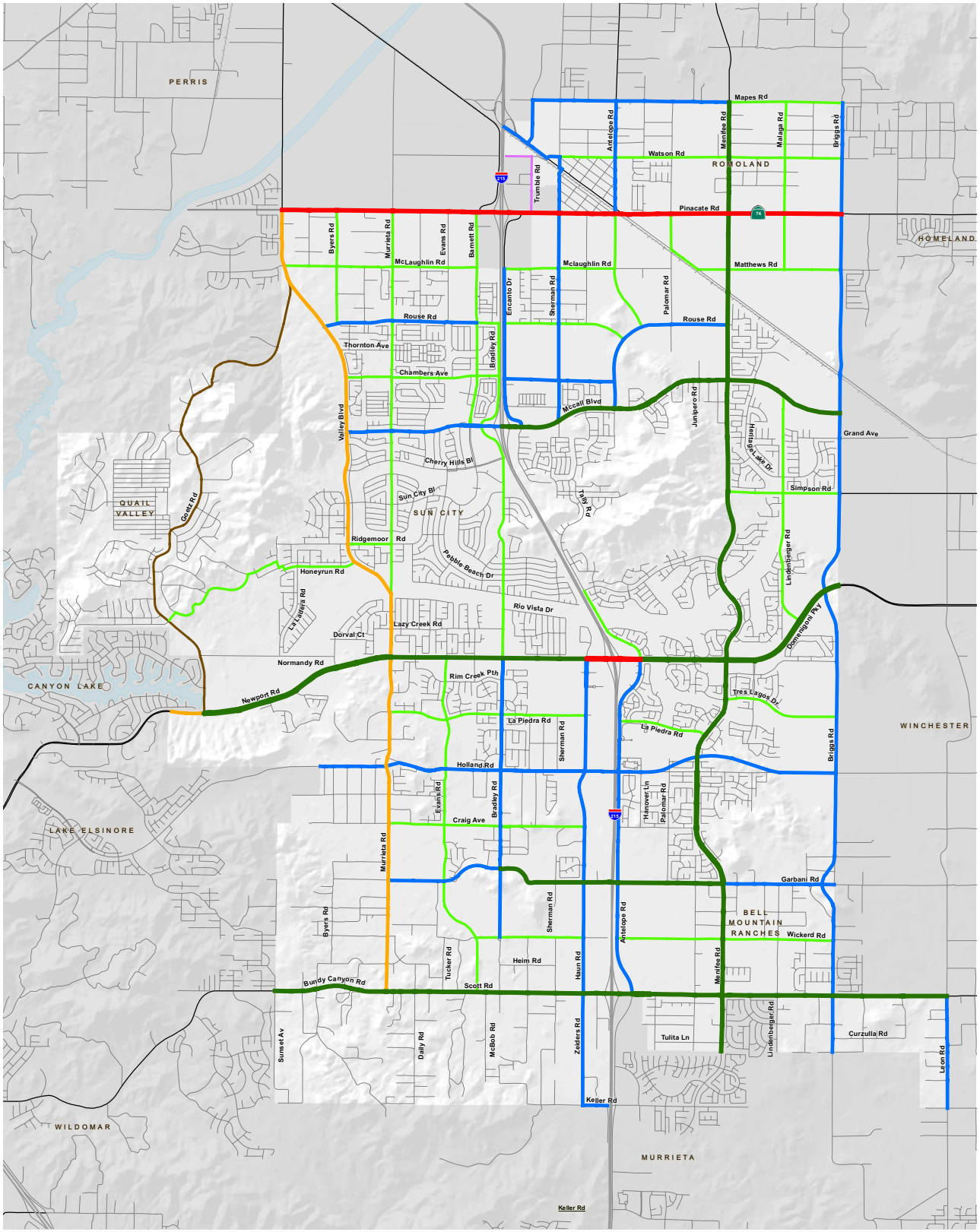
> *"Caltrans endeavors to maintain a target LOS at the transition between LOS "C" and LOS "D" on State highway facilities, however, Caltrans acknowledges that this may not be always feasible and recommends that the lead agency consult with Caltrans to determine the appropriate target LOS."*

Caltrans has worked with the County of Riverside to establish a local threshold for freeway-to-arterial interchange intersections of LOS "D", consistent with the County's stated threshold. As such, LOS "D" is considered to be the limit of acceptable traffic operations during the peak hour at the freeway-to-arterial interchange intersections maintained by Caltrans.

RCIP multi-use trails accommodate hikers, bicyclists, and others as an integral part of the County's circulation system. Planned bikeways in the Menifee area include regional and community trails on the north and south sides of the Salt Creek watercourse, with an undercrossing of the I-215 corridor. RCIP Scenic Highways in the Sun City/Menifee Valley area include Interstate 215 from McCall Boulevard to the southerly Plan boundary; McCall Boulevard from Interstate 215 on the west to Menifee Road on the east; and Menifee Road from McCall Boulevard to the northerly Plan boundary.

Exhibit 3-1

# 2003 RCIP Roadway Network



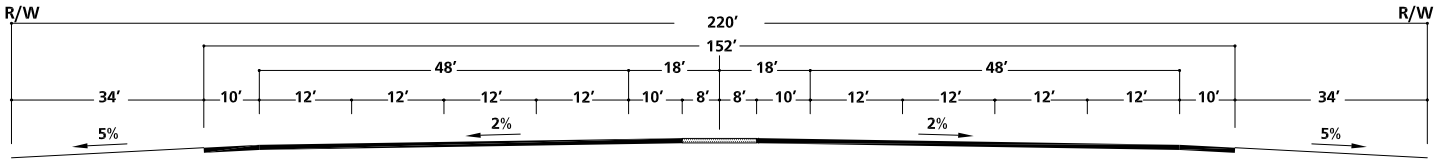

MENIFEE GENERAL PLAN

URBAN CROSSROADS

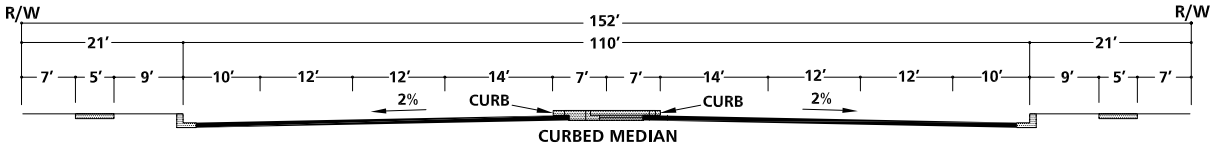
20120724RCIP 8/21/2012 0 0.5 1 Mile

EXHIBIT 3-2

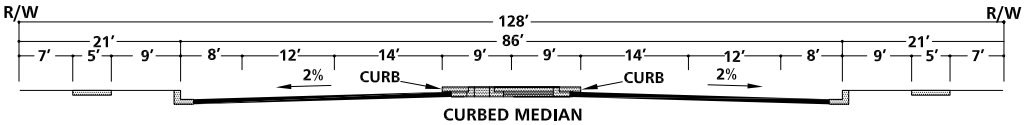
# RIVERSIDE COUNTY GENERAL PLAN ROADWAY CROSS-SECTIONS (ADOPTED 2003)



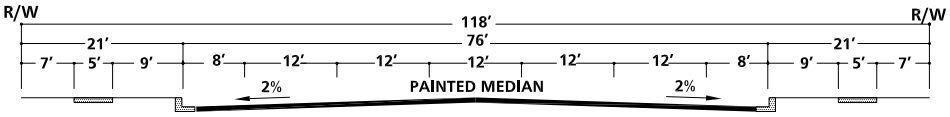

**EXPRESSWAY - 8 LANES**



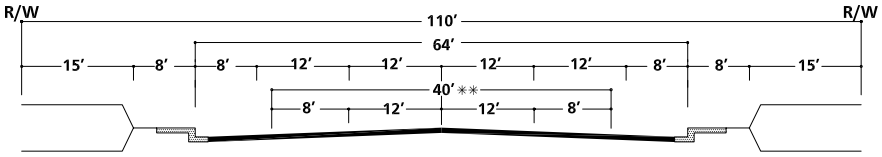

**URBAN ARTERIAL HIGHWAY** ✳




**ARTERIAL HIGHWAY** ✳

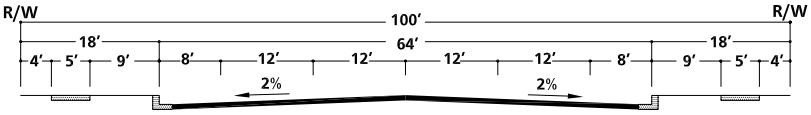



**MAJOR HIGHWAY - 4 LANES**

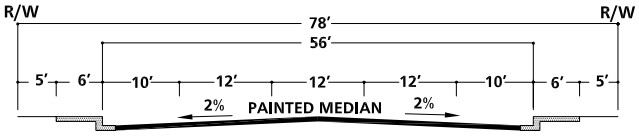



**MOUNTAIN ARTERIAL - 2 TO 4 LANES**

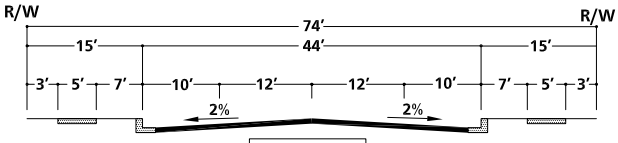
✳✳ 2 LANE SECTION




**SECONDARY HIGHWAY**




**INDUSTRIAL COLLECTOR**




**COLLECTOR**

✳ *IMPROVEMENTS MAY BE RECONFIGURED TO ACCOMMODATE EXCLUSIVE TRANSIT LANES OR ALTERNATIVE LANE ARRANGEMENTS ADDITIONAL RIGHT OF WAY MAY BE REQUIRED AT INTERSECTIONS TO ACCOMMODATE ULTIMATE IMPROVEMENTS FOR STATE HIGHWAYS SHALL CONFORM TO CALTRANS DESIGN STANDARDS.*

*NOT TO SCALE*

*SOURCE: COUNTY OF RIVERSIDE*

# 4.0 EXISTING CONDITIONS

This section provides a summary of the existing circulation system, the adopted County of Riverside General Plan Circulation Network, a review of existing daily roadway segment conditions, peak hour intersection operations, traffic signal warrants, I-215 mainline analysis, truck activities, and an estimate of the existing VMT within the City of Menifee.

## 4.1 CIRCULATION NETWORK

The City of Menifee circulation network currently suffers from limited connectivity to key destinations within the community. The existing roadway network is restricted at key locations where traffic bottlenecks are creating increased vehicle delay and backups. These bottlenecks routinely materialize during peak traffic conditions and are magnified with flooding conditions during severe winter storm events.

The I-215 and Salt Creek represent significant constraints to the roadway network in the City of Menifee. The I-215 divides the City by limiting east-west directional access to key interchange locations at Ethanac Road, McCall Boulevard, Newport Road and Scott Road. In addition, the distance between the freeway interchanges range from 2 to 3 miles requiring increased travel in the north-south direction to go across the I-215. In the north-south direction, the Salt Creek channel also limits the mobility of drivers in the City of Menifee. North-south travel is restricted to key arterial roads with an overpass of the Salt Creek channel such as Murrieta Road, Bradley Road, Menifee Road, Lindenberger Road and Winchester Road.

Based on a review of the existing circulation system, the City of Menifee provides approximately 544 miles of mostly paved roads. Roughly 77% of all roads are unclassified local roads providing direct access to the residential areas within the community. Exhibit 4-1 presents the number of through travel lanes for existing roadways and the lane configuration and traffic control devices for existing intersections in the study area.

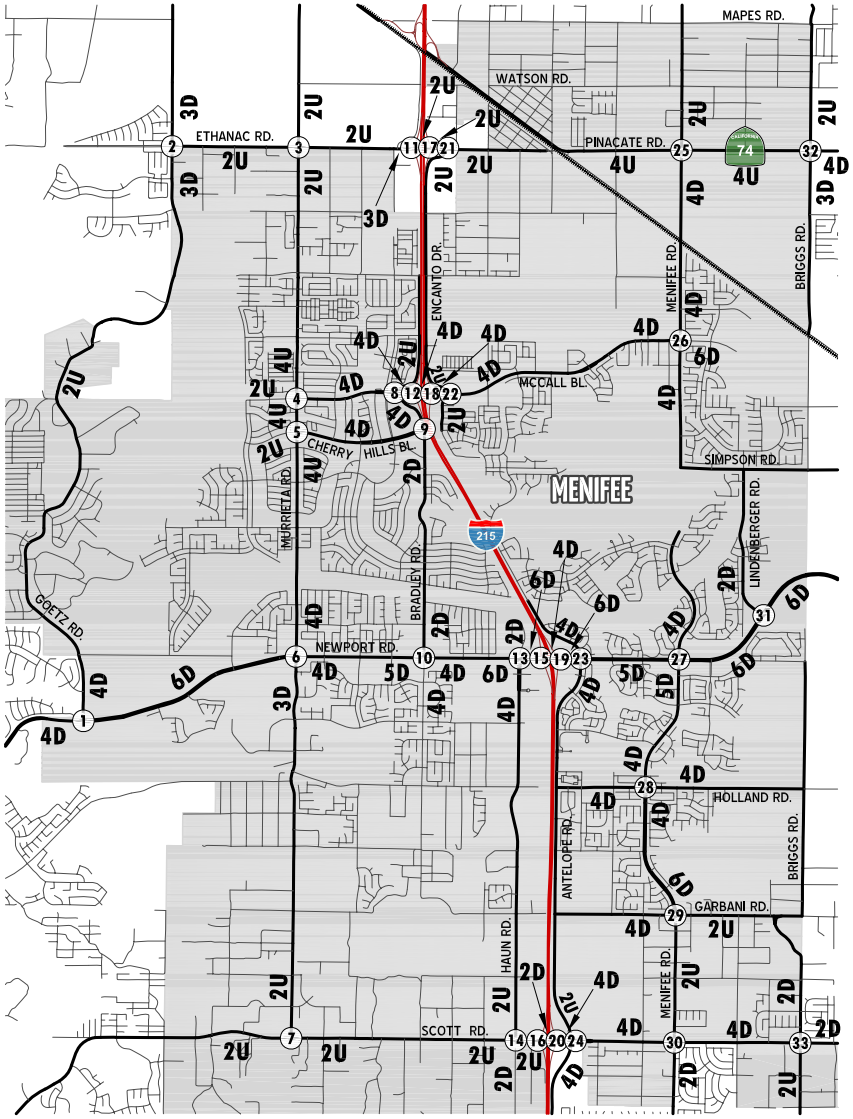
In the City of Menifee, roadways are characterized by their functional classification (Class) that defines the level of mobility and access. Freeways such as the I-215 are intended to serve through traffic traveling relatively long-distances. They provide no access to adjacent land except at interchanges. The primary purpose of arterial streets such as Newport Road is to move the maximum amount traffic as efficiently and safely as reasonable. On arterial streets, mobility overshadows the need to provide access to fronting properties. Secondary streets such as Bradley Road serve as a link between local streets and arterial streets. Local streets provide direct access to individual homes that front them.

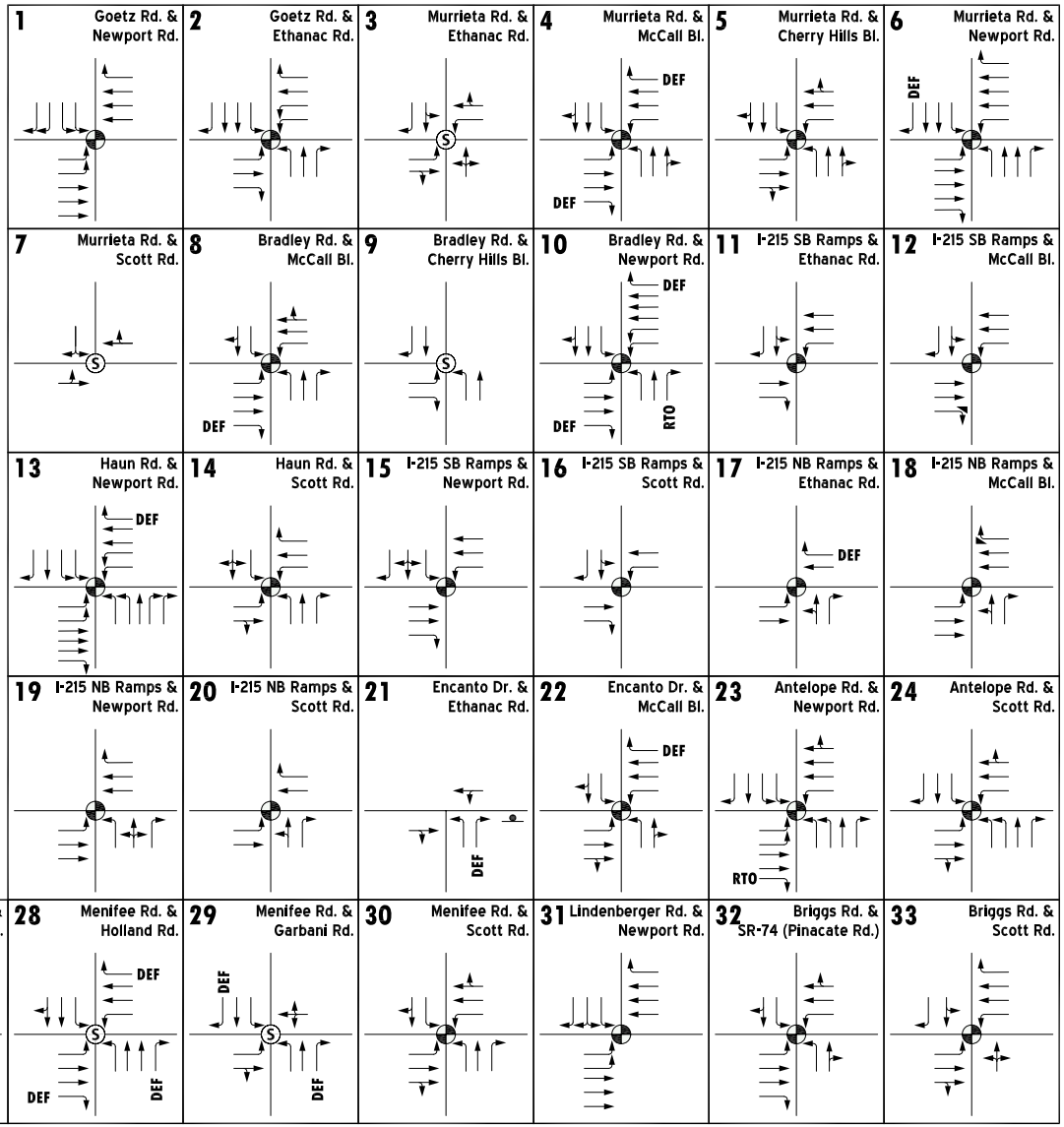
## 4.2 TRAFFIC COUNTS

Existing AM and PM peak hour intersection volumes are shown on Exhibits 4-2 and 4-3, respectively. The Existing AM and PM peak hour intersection turning movement counts collected in May 2012 are included in Appendix 4.1. Existing average daily traffic (ADT) volumes on arterial highways throughout the study area are shown on Exhibit 4-4. The ADT volumes shown on the I-215 are based upon published Caltrans

EXHIBIT 4-1

# EXISTING NUMBER OF THROUGH LANES AND INTERSECTION CONTROLS



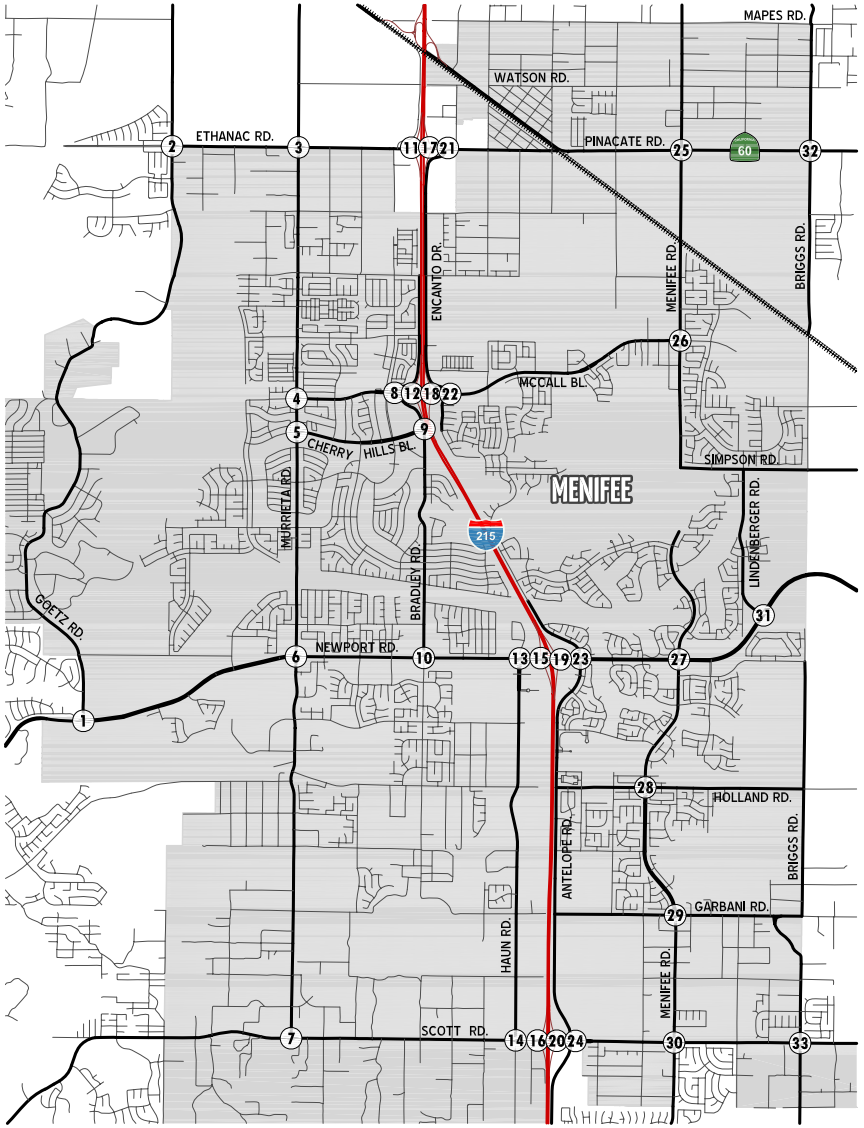

## LEGEND:

- = TRAFFIC SIGNAL
- S = ALL WAY STOP
- = STOP SIGN
- 4 = NUMBER OF LANES
- D = DIVIDED
- U = UNDIVIDED
- = FREE RIGHT TURN
- RTO = RIGHT TURN OVERLAP
- DEF = DEFACTO RIGHT TURN

N

EXHIBIT 4-2

# EXISTING (2012) AM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| | 239 155 | 81 481 |
| 70 370 | | |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 18 192 121 | | 118 10 178 |
| 11 19 2 | 1 130 120 | |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 10 26 9 | | 22 195 97 |
| 1 222 35 | 91 126 119 | |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 61 172 68 | | 68 53 90 |
| 74 106 3 | 2 150 96 | |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 46 213 22 | | 18 18 33 |
| 10 46 38 | 7 195 34 | |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 114 41 445 | | 195 545 46 |
| 103 674 15 | 19 38 26 | |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 153 86 | | 70 275 |
| 84 254 | | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 10 63 117 | | 52 411 451 |
| 29 470 60 | 37 34 295 | |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 43 215 | | |
| 55 53 | 82 233 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 93 205 201 | | 128 555 225 |
| 119 792 119 | 174 246 325 | |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 141 1 43 | | 440 113 |
| 441 318 | | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 184 0 120 | | 730 389 |
| 648 234 | | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 42 41 90 | | 247 784 334 |
| 95 1050 139 | 85 35 224 | |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 61 9 403 | | 267 312 5 |
| 62 344 8 | 5 30 1 | |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 244 0 397 | | 1121 621 |
| 940 424 | | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 95 0 282 | | 489 464 |
| 404 344 | | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | 43 290 |
| 164 320 | 263 6 138 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | 186 923 |
| 256 512 | 196 2 229 | |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | 404 1500 |
| 253 1084 | 242 1 370 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| | | 354 838 |
| 99 587 | 115 1 286 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | 285 28 |
| 425 33 | 48 53 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 98 9 46 | | 44 814 15 |
| 83 561 97 | 197 12 20 | |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 160 70 110 | | 78 1340 128 |
| 70 719 665 | 404 40 118 | |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 284 283 69 | | 33 552 83 |
| 132 437 304 | 356 111 41 | |

**25 Menifee Rd. & SR-74 (Pinacate Rd.)**

| | | |
|---|---|---|
| 31 172 121 | | 82 881 359 |
| 45 701 138 | 166 144 459 | |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 397 120 52 | | 64 242 1 |
| 451 257 120 | 142 96 3 | |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 308 69 40 | | 40 816 117 |
| 218 510 99 | 136 60 122 | |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 88 149 38 | | 70 131 101 |
| 88 87 14 | 30 191 108 | |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 23 206 8 | | 8 21 32 |
| 9 10 22 | 10 169 19 | |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 98 102 77 | | 75 476 73 |
| 42 353 41 | 125 60 81 | |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 214 33 | | 12 721 |
| 147 578 | | |

**32 Briggs Rd. & SR-74 (Pinacate Rd.)**

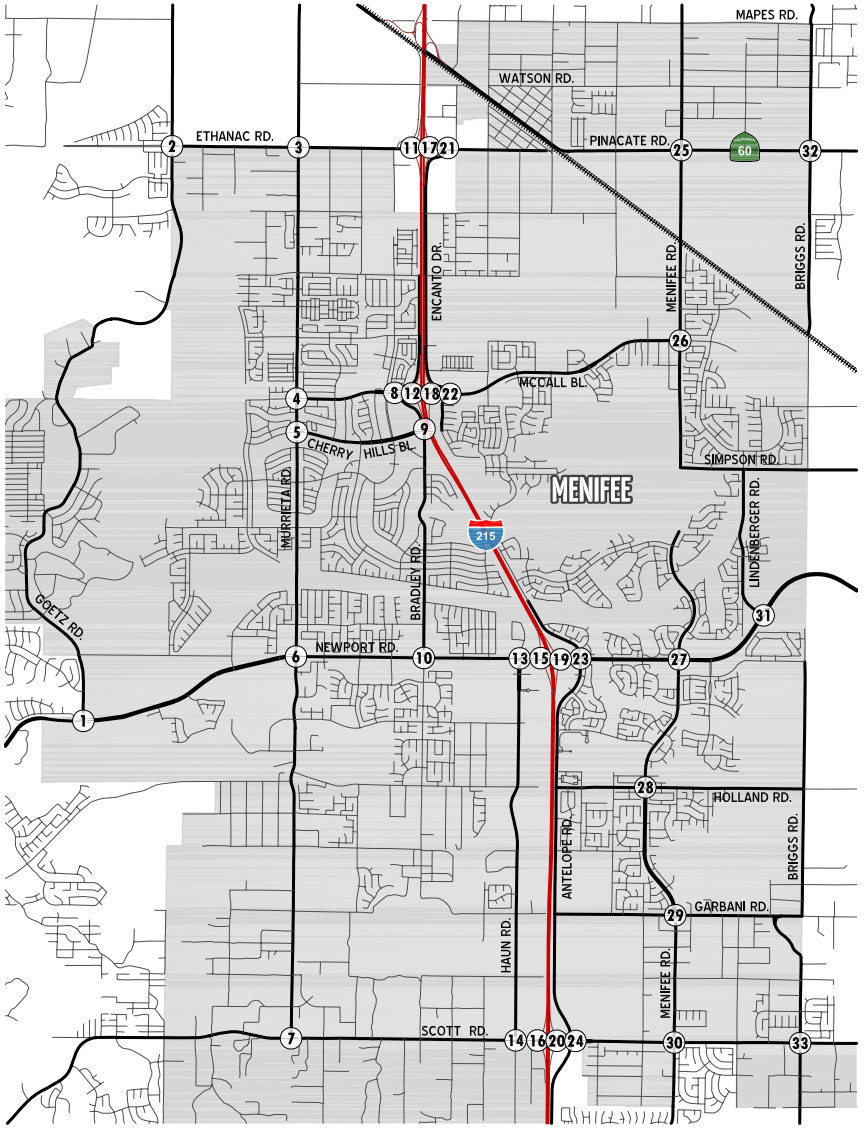
| | | |
|---|---|---|
| 80 128 161 | | 97 837 152 |
| 126 557 494 | 351 130 101 | |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 27 5 4 | | 1 440 2 |
| 12 440 40 | 29 1 2 | |

EXHIBIT 4-3

# EXISTING (2012) PM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 146 | 122 | 161 |
| | | 505 |
| 329 | | |
| 546 | | |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 13 | 208 | 159 |
| | | 109 |
| | | 20 |
| | | 178 |
| 4 | 1 | 133 |
| 8 | 90 | |
| 2 | | |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 1 | 78 | 14 |
| | | 7 |
| | | 254 |
| | | 152 |
| 2 | 56 | 109 |
| 258 | 73 | |
| 75 | | |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 44 | 182 | 103 |
| | | 106 |
| | | 97 |
| | | 115 |
| 23 | 1 | 98 |
| 63 | 181 | |
| 5 | | |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 7 | 268 | 19 |
| | | 13 |
| | | 40 |
| | | 56 |
| 9 | 8 | 49 |
| 33 | 258 | |
| 4 | | |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 134 | 58 | 330 |
| | | 318 |
| | | 759 |
| | | 49 |
| 162 | 54 | 52 |
| 643 | 56 | |
| 20 | | |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 94 | 75 | 65 |
| | | 304 |
| 218 | | |
| 417 | | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 19 | 41 | 104 |
| | | 54 |
| | | 630 |
| | | 401 |
| 43 | 72 | 517 |
| 622 | 63 | |
| 58 | | |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 69 | 272 | |
| 77 | 122 | |
| 72 | 354 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 74 | 152 | 219 |
| | | 276 |
| | | 872 |
| | | 172 |
| 108 | 110 | |
| 671 | 151 | |
| 78 | 129 | |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 265 | 3 | 86 |
| | | 411 |
| | | 82 |
| 395 | | |
| 330 | | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 373 | 2 | 295 |
| | | 712 |
| | | 285 |
| 909 | | |
| 334 | | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 103 | 90 | 245 |
| | | 156 |
| | | 1098 |
| | | 551 |
| 80 | 312 | |
| 846 | 63 | |
| 289 | 530 | |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 39 | 4 | 281 |
| | | 371 |
| | | 368 |
| | | 10 |
| 52 | 2 | |
| 540 | 4 | |
| 4 | 3 | |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 491 | 2 | 512 |
| | | 1314 |
| | | 359 |
| 1260 | | |
| 361 | | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 122 | 2 | 405 |
| | | 627 |
| | | 435 |
| 603 | | |
| 221 | | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | 69 |
| | | 280 |
| 168 | 213 | |
| 313 | 1 | |
| | 174 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | 112 |
| | | 731 |
| 264 | 266 | |
| 940 | 1 | |
| | 423 | |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | 359 |
| | | 1148 |
| 356 | 525 | |
| 1416 | 0 | |
| | 707 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| | | 356 |
| | | 788 |
| 109 | 274 | |
| 899 | 0 | |
| | 516 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | 280 |
| | | 33 |
| 395 | 69 | |
| 92 | 44 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 88 | 16 | 26 |
| | | 34 |
| | | 584 |
| | | 34 |
| 174 | 171 | |
| 887 | 20 | |
| 302 | 37 | |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 108 | 61 | 18 |
| | | 31 |
| | | 836 |
| | | 129 |
| 238 | 563 | |
| 1172 | 101 | |
| 713 | 207 | |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 253 | 107 | 57 |
| | | 37 |
| | | 521 |
| | | 75 |
| 291 | 370 | |
| 804 | 270 | |
| 320 | 123 | |

**25 Menifee Rd. & SR-74 (Pinacate Rd.)**

| | | |
|---|---|---|
| 31 | 134 | 52 |
| | | 75 |
| | | 584 |
| | | 198 |
| 52 | 92 | |
| 846 | 152 | |
| 122 | 191 | |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 238 | 122 | 35 |
| | | 25 |
| | | 89 |
| | | 1 |
| 294 | 94 | |
| 147 | 97 | |
| 155 | 1 | |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 126 | 36 | 15 |
| | | 18 |
| | | 669 |
| | | 113 |
| 196 | 95 | |
| 885 | 54 | |
| 100 | 131 | |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 43 | 122 | 21 |
| | | 37 |
| | | 59 |
| | | 11 |
| 42 | 16 | |
| 88 | 251 | |
| 52 | 14 | |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 15 | 133 | 9 |
| | | 9 |
| | | 11 |
| | | 16 |
| 7 | 26 | |
| 8 | 294 | |
| 14 | 26 | |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 68 | 52 | 46 |
| | | 87 |
| | | 454 |
| | | 46 |
| 179 | 109 | |
| 593 | 60 | |
| 175 | 48 | |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 154 | 22 | |
| | | 31 |
| | | 616 |
| 272 | | |
| 799 | | |

**32 Briggs Rd. & SR-74 (Pinacate Rd.)**

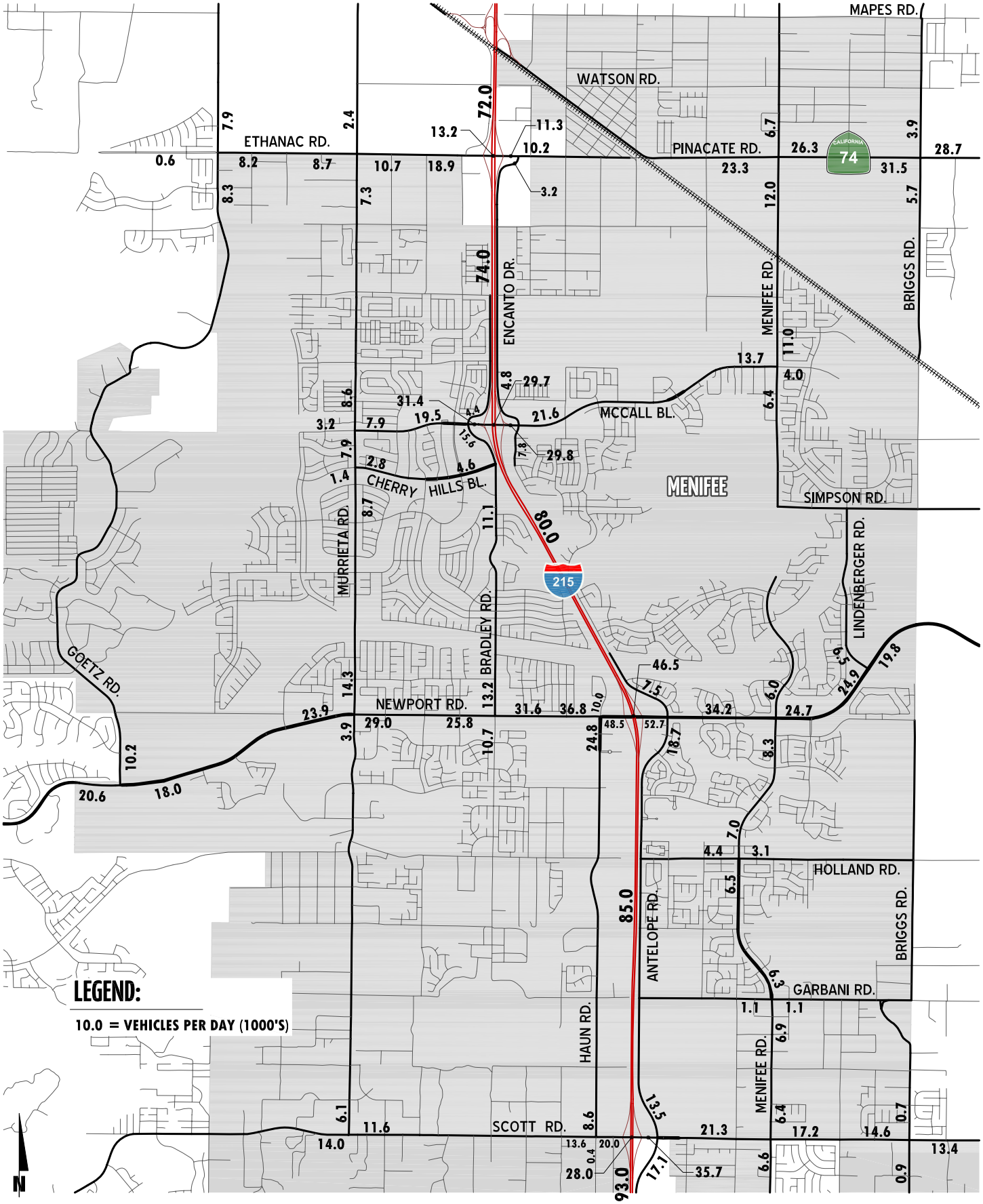
| | | |
|---|---|---|
| 59 | 28 | 72 |
| | | 32 |
| | | 790 |
| | | 40 |
| 60 | 117 | |
| 1149 | 40 | |
| 155 | 41 | |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 17 | 1 | 5 |
| | | 2 |
| | | 471 |
| | | 2 |
| 27 | 26 | |
| 511 | 2 | |
| 31 | 1 | |

EXHIBIT 4-4

# EXISTING (2012) AVERAGE DAILY TRAFFIC (ADT)




*Menifee General Plan*
*City of Menifee, CA (JN - 06944:200.dwg)*

URBAN CROSSROADS

traffic count data. The ADT volumes along the arterial roadways are based upon the 24-hour average daily traffic counts collected at ten study area roadway segments locations and estimates from the May 2012 peak hour traffic counts using the following formula for each intersection leg:

PM Peak Hour (Approach Volume + Exit Volume) x 13.5 = Leg Volume

The daily-to-peak hour ratio of 7.4% is derived from the observed relationship between the average daily traffic counts and the peak hour intersection turning movement counts. Appendix 4.2 includes the 24-hour ADT count worksheets.

## 4.3 ROADWAY SEGMENT ANALYSIS

The City of Menifee General Plan Circulation Element provides roadway volume capacity values that were provided previously on Table 2-1. The roadway segment capacities are approximate figures only, and are used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet projected traffic demands.

Table 4-1 provides a summary of the existing (2012) conditions roadway segment capacity analysis based on the capacity thresholds identified on Table 2-1. As shown on Table 4-1, 7 out of the total of 97 existing study area roadway segments potentially exceed or exceed the average daily vehicle capacity thresholds. Based on the existing conditions roadway segment analysis, the following study area roadway segments provide unacceptable roadway capacity:

| ID | Roadway | Segment | V/C Ratio |
|---|---|---|---|
| 26 | Antelope Road | South of Newport Road | 1.04 |
| 49 | Ethanac Road | Between I-215 SB Ramp & I-215 NB Ramp | 1.02 |
| 76 | Newport Road | Between I-215 SB Ramp & I-215 NB Ramp | 1.30 |
| 87 | Scott Road | West of Murrieta Road | 1.08 |
| 89 | Scott Road | West of Haun Road | 1.05 |
| 90 | Scott Road | Between Haun Road & I-215 SB Ramp | 1.54 |
| 91 | Scott Road | Between I-215 SB Ramp & I-215 NB Ramp | 1.56 |

As indicated in Section 2.2, the roadway segment analysis is used as a planning tool to evaluate the adequacy of existing roadway segment capacities. A v/c ratio of greater than 1.01 to 1.25 suggests that additional review is required; however, if adjacent intersections provide the lanes needed to achieve acceptable peak hour LOS, then segment capacity improvements between key intersections may not be needed. For roadway segments significantly exceeding capacity (v/c ratio > 1.25) then additional through lane roadway capacity and intersection improvements are more likely to be needed.

**Table 4-1 (1 of 5)**

**Existing (2012) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | Estimated Daily Capacity[1] | Existing (2012) ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| Goetz Road | 1 | North of Ethanac Rd. | 3D | 26,950 | 7,900 | 0.29 | Acceptable |
| | 2 | South of Ethanac Rd. | 3D | 26,950 | 8,300 | 0.31 | Acceptable |
| | 3 | North of Newport Rd. | 4D | 35,900 | 10,200 | 0.28 | Acceptable |
| Murrieta Road | 4 | North of Ethanac Rd. | 2U | 13,000 | 2,400 | 0.18 | Acceptable |
| | 5 | South of Ethanac Rd. | 2U | 13,000 | 7,300 | 0.56 | Acceptable |
| | 6 | North of McCall Bl. | 4U | 25,900 | 8,600 | 0.33 | Acceptable |
| | 7 | Between McCall Bl. & Cherry Hills Bl. | 4U | 25,900 | 7,900 | 0.31 | Acceptable |
| | 8 | South of Cherry Hills Bl. | 4U | 25,900 | 8,700 | 0.34 | Acceptable |
| | 9 | North of Newport Rd. | 4D | 35,900 | 14,300 | 0.40 | Acceptable |
| | 10 | South of Newport Rd. | 3D | 26,950 | 3,900 | 0.14 | Acceptable |
| | 11 | North of Scott Rd. | 2U | 18,000 | 6,100 | 0.34 | Acceptable |
| Bradley Road | 12 | North of McCall Bl. | 2U | 13,000 | 4,400 | 0.34 | Acceptable |
| | 13 | Between McCall Bl. & Cherry Hills Bl. | 4D | 25,900 | 15,600 | 0.60 | Acceptable |
| | 14 | South of Cherry Hills Bl. | 2D | 18,000 | 11,100 | 0.62 | Acceptable |
| | 15 | North of Newport Rd. | 2D | 18,000 | 13,200 | 0.73 | Acceptable |
| | 16 | South of Newport Rd. | 4D | 34,100 | 10,700 | 0.31 | Acceptable |
| Encanto Road | 17 | South of Ethanac Rd. | 2U | 13,000 | 3,200 | 0.25 | Acceptable |
| | 18 | North of McCall Bl. | 2U | 13,000 | 4,800 | 0.37 | Acceptable |
| | 19 | South of McCall Bl. | 2U | 13,000 | 7,800 | 0.60 | Acceptable |
| Haun Road | 20 | North of Newport Rd. | 2D | 18,000 | 10,000 | 0.56 | Acceptable |
| | 21 | South of Newport Rd. | 4D | 34,100 | 24,800 | 0.73 | Acceptable |
| | 22 | North of Scott Rd. | 2U | 13,000 | 8,600 | 0.66 | Acceptable |
| | 23 | South of Scott Rd | 2D | 18,000 | 400 | 0.02 | Acceptable |

**Table 4-1 (2 of 5)**

**Existing (2012) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | Estimated Daily Capacity[1] | Existing (2012) ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| Antelope Road | 24 | North of Newport Rd. | 4D | 25,900 | 7,500 | 0.29 | Acceptable |
| | 25 | South of Newport Rd. | 4D | 34,100 | 18,700 | 0.55 | Acceptable |
| | 26 | North of Scott Rd. | 2U | 13,000 | 13,500 | **1.04** | **Potentially Exceeds** |
| | 27 | South of Scott Rd | 4D | 34,100 | 17,100 | 0.50 | Acceptable |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) | 2U | 13,000 | 6,700 | 0.52 | Acceptable |
| | 29 | South of SR-74 (Pinacate Rd.) | 4D | 35,900 | 12,000 | 0.33 | Acceptable |
| | 30 | North of McCall Bl. | 4D | 35,900 | 11,000 | 0.31 | Acceptable |
| | 31 | Between McCall Bl. & Simpson Rd | 4D | 35,900 | 6,400 | 0.18 | Acceptable |
| | 32 | North of Newport Rd. | 4D | 35,900 | 6,000 | 0.17 | Acceptable |
| | 33 | South of Newport Rd. | 5D | 44,900 | 8,300 | 0.18 | Acceptable |
| | 34 | North of Holland Rd. | 4D | 35,900 | 7,000 | 0.19 | Acceptable |
| | 35 | South of Holland Rd. | 4D | 35,900 | 6,500 | 0.18 | Acceptable |
| | 36 | North of Garbani Rd. | 6D | 53,900 | 6,300 | 0.12 | Acceptable |
| | 37 | South of Garbani Rd. | 2U | 13,000 | 6,900 | 0.53 | Acceptable |
| | 38 | North of Scott Rd. | 2U | 13,000 | 6,400 | 0.49 | Acceptable |
| | 39 | South of Scott Rd | 2D | 18,000 | 6,600 | 0.37 | Acceptable |
| Lindenberger Road | 40 | North of Newport Rd. | 2D | 18,000 | 6,500 | 0.36 | Acceptable |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) | 2U | 13,000 | 3,900 | 0.30 | Acceptable |
| | 42 | South of SR-74 (Pinacate Rd.) | 3D | 25,600 | 5,700 | 0.22 | Acceptable |
| | 43 | North of Scott Rd. | 2D | 18,000 | 700 | 0.04 | Acceptable |
| | 44 | South of Scott Rd | 2U | 13,000 | 900 | 0.07 | Acceptable |

**Table 4-1 (3 of 5)**

**Existing (2012) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | Estimated Daily Capacity[1] | Existing (2012) ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. | 6D | 61,300 | 600 | 0.01 | Acceptable |
| | 46 | Between Goetz Rd & Murrieta Rd. | 2U | 13,000 | 8,700 | 0.67 | Acceptable |
| | 47 | East of Murrieta Rd. | 2U | 13,000 | 10,700 | 0.82 | Approaching |
| | 48 | West of I-215 SB Ramp | 3D | 30,700 | 18,900 | 0.62 | Acceptable |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp | 2U | 13,000 | 13,200 | **1.02** | **Potentially Exceeds** |
| | 50 | Between I-215 NB Ramp & Encanto Dr. | 2U | 13,000 | 11,300 | 0.87 | Approaching |
| | 51 | East of Encanto Dr. | 2U | 13,000 | 10,200 | 0.78 | Acceptable |
| | 52 | West of Menifee Rd. | 4U | 40,900 | 23,300 | 0.57 | Acceptable |
| | 53 | East of Menifee Rd. | 4U | 40,900 | 26,300 | 0.64 | Acceptable |
| | 54 | West of Briggs Rd. | 4U | 40,900 | 31,500 | 0.77 | Acceptable |
| | 55 | East of Briggs Rd. | 4D | 40,900 | 28,700 | 0.70 | Acceptable |
| McCall Boulevard | 56 | West of Murrieta Rd. | 2U | 13,000 | 3,200 | 0.25 | Acceptable |
| | 57 | East of Murrieta Rd. | 4D | 34,100 | 7,900 | 0.23 | Acceptable |
| | 58 | West of Bradley Rd. | 4D | 34,100 | 19,500 | 0.57 | Acceptable |
| | 59 | Between Bradley Rd & I-215 SB Ramp | 4D | 34,100 | 31,400 | 0.92 | Approaching |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp | 4D | 34,100 | 29,700 | 0.87 | Approaching |
| | 61 | Between I-215 NB Ramp & Encanto Dr. | 4D | 35,900 | 29,800 | 0.83 | Approaching |
| | 62 | East of Encanto Dr. | 4D | 35,900 | 21,600 | 0.60 | Acceptable |
| | 63 | West of Menifee Rd. | 4D | 35,900 | 13,700 | 0.38 | Acceptable |
| | 64 | East of Menifee Rd. | 6D | 53,900 | 4,000 | 0.07 | Acceptable |

**Table 4-1 (4 of 5)**

**Existing (2012) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | Estimated Daily Capacity[1] | Existing (2012) ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. | 2U | 13,000 | 1,400 | 0.11 | Acceptable |
| | 66 | East of Murrieta Rd. | 4D | 25,900 | 2,800 | 0.11 | Acceptable |
| | 67 | West of Bradley Rd. | 4D | 25,900 | 4,600 | 0.18 | Acceptable |
| Newport Road | 68 | West of Goetz Rd. | 4D | 35,900 | 20,600 | 0.57 | Acceptable |
| | 69 | East of Goetz Rd. | 6D | 53,900 | 18,000 | 0.33 | Acceptable |
| | 70 | West of Murrieta Rd. | 6D | 53,900 | 23,900 | 0.44 | Acceptable |
| | 71 | East of Murrieta Rd. | 4D | 35,900 | 29,000 | 0.81 | Approaching |
| | 72 | West of Bradley Rd. | 5D | 44,900 | 25,800 | 0.57 | Acceptable |
| | 73 | East of Bradley Rd. | 4D | 35,900 | 31,600 | 0.88 | Approaching |
| | 74 | West of Haun Rd. | 6D | 53,900 | 36,800 | 0.68 | Acceptable |
| | 75 | Between Haun Rd. & I-215 SB Ramp | 6D | 53,900 | 48,500 | 0.90 | Approaching |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp | 4D | 35,900 | 46,500 | **1.30** | **Exceeds** |
| | 77 | Between I-215 NB Ramp & Antelope Rd. | 6D | 53,900 | 52,700 | 0.98 | Approaching |
| | 78 | East of Antelope Rd. | 5D | 44,900 | 34,200 | 0.76 | Acceptable |
| | 79 | West of Menifee Rd. | 5D | 44,900 | 34,200 | 0.76 | Acceptable |
| | 80 | East of Menifee Rd. | 6D | 53,900 | 24,700 | 0.46 | Acceptable |
| | 81 | West of Lindenberger Rd. | 6D | 53,900 | 24,900 | 0.46 | Acceptable |
| | 82 | East of Lindenberger Rd. | 6D | 53,900 | 19,800 | 0.37 | Acceptable |
| Holland Road | 83 | West of Menifee Rd. | 4D | 34,100 | 4,400 | 0.13 | Acceptable |
| | 84 | East of Menifee Rd. | 4D | 34,100 | 3,100 | 0.09 | Acceptable |
| Garbani Road | 85 | West of Menifee Rd. | 4D | 34,100 | 1,100 | 0.03 | Acceptable |
| | 86 | East of Menifee Rd. | 2U | 13,000 | 1,100 | 0.08 | Acceptable |

**Table 4-1 (5 of 5)**

**Existing (2012) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | Estimated Daily Capacity[1] | Existing (2012) ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| Scott Road | 87 | West of Murrieta Rd. | 2U | 13,000 | 14,000 | **1.08** | **Potentially Exceeds** |
| | 88 | East of Murrieta Rd. | 2U | 13,000 | 11,600 | 0.89 | Approaching |
| | 89 | West of Haun Rd. | 2U | 13,000 | 13,600 | **1.05** | **Potentially Exceeds** |
| | 90 | Between Haun Rd. & I-215 SB Ramp | 2U | 13,000 | 20,000 | **1.54** | **Exceeds** |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp | 2D | 18,000 | 28,000 | **1.56** | **Exceeds** |
| | 92 | Between I-215 NB Ramp & Antelope Rd. | 4D | 35,900 | 35,700 | 0.99 | Approaching |
| | 93 | East of Antelope Rd. | 4D | 35,900 | 21,300 | 0.59 | Acceptable |
| | 94 | West of Menifee Rd. | 4D | 35,900 | 21,300 | 0.59 | Acceptable |
| | 95 | East of Menifee Rd. | 4D | 35,900 | 17,200 | 0.48 | Acceptable |
| | 96 | West of Briggs Rd. | 4D | 35,900 | 14,600 | 0.41 | Acceptable |
| | 97 | East of Briggs Rd. | 2D | 18,000 | 13,400 | 0.74 | Acceptable |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Cacacity", 1.26+ = "Exceeds Capacity"

[3] D=Divided, U=Undivided

## 4.4 INTERSECTION OPERATIONS ANALYSIS

Existing peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 of this traffic study. It is important to recognize that the intersection operations analysis reflects the existing constrained traffic count conditions. These constraints in the form of vehicle queues at closely spaced intersections significantly limit the number of vehicles that can physically be accommodated during peak hour conditions. While the traffic counts identify all the vehicles using an intersection during the peak hours, they may not fully account for the unconstrained demand at a particular location. Several intersections such as Haun Road at Scott Road, and the I-215 Ramps locations at the Newport Road and Scott Road experience vehicle delays that are not reflected in the intersection LOS analysis due to the existing constrained conditions. The constrained intersection analysis results are summarized in Table 4-2 which indicates that out of the 33 study area intersections:

- 30 operate at acceptable LOS D or better conditions during the peak hours
- 3 operate at unacceptable LOS E or worse conditions during the peak hours

The existing conditions operations analysis show that the following intersection locations will experience unacceptable LOS E or worse conditions during one or both of the peak hours.

| ID | Intersection Location | AM | PM |
|---|---|---|---|
| 8 | Bradley Road / McCall Boulevard | E | F |
| 16 | I-215 Southbound Ramps / Scott Road | C | F |
| 32 | Briggs Road / SR-74 (Pinacate Road) | E | C |

The existing conditions intersection operations analysis worksheets are included in Appendix 4.3 of this traffic study. Note that the Briggs Road/SR-74 intersection deficiency in the AM period is impacted by school traffic to Heritage High School.

## 4.5 TRAFFIC SIGNAL WARRANTS ANALYSIS

Traffic signal warrants for existing traffic conditions are based on existing peak hour intersection volumes for unsignalized intersection locations. Out of the 33 existing study area intersection locations, six are currently unsignalized. For existing conditions, traffic signals currently appear to be warranted at the following two intersections.

| ID | Intersection Location | Control Type |
|---|---|---|
| 3 | Murrieta Road (NS) at Ethanac Road (EW) | All-Way Stop |
| 7 | Murrieta Road (NS) at Scott Road (EW) | All-Way Stop |

The existing conditions traffic signal warrants analysis worksheets are included in Appendix 4.4.

## Table 4-2

## Existing (2012) Intersection Analysis

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Existing (2012) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | Delay[2] (secs.) | | Level of Service | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 1 | Goetz Rd / Newport Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 3 | 0 | 0 | 3 | 1 | 19.2 | 23.9 | B | C |
| 2 | Goetz Rd / Ethanac Rd | TS | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 30.7 | 32.3 | C | C |
| 3 | Murrieta Rd / Ethanac Rd | AWS | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 14.1 | 14.3 | B | B |
| 4 | Murrieta Rd / McCall Blvd | TS | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 2 | d | 1 | 2 | d | 28.9 | 29.7 | C | C |
| 5 | Murrieta Rd / Cherry Hills Blvd | TS | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 23.7 | 24.0 | C | C |
| 6 | Murrieta Rd / Newport Rd | TS | 1 | 2 | 1 | 1 | 2 | d | 1 | 3 | 1 | 1 | 3 | 1 | 50.7 | 44..1 | D | D |
| 7 | Murrieta Rd / Scott Rd | AWS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 13.8 | 30.9 | B | D |
| 8 | Bradley Rd / McCall Blvd | TS | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | d | 1 | 2 | 0 | ***58.6*** | ***>80.0*** | ***E*** | ***F*** |
| 9 | Bradley Rd / Cherry Hills Blvd | AWS | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 10.4 | 12.1 | B | B |
| 10 | Bradley Rd / Newport Rd | TS | 1 | 1 | 1> | 1 | 2 | 0 | 1 | 2 | d | 2 | 3 | d | 39.6 | 38.2 | D | D |
| 11 | I-215 Southbound Ramps / Ethanac Rd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 15.1 | 16.9 | B | B |
| 12 | I-215 Southbound Ramps / McCall Blvd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1>> | 1 | 2 | 0 | 17.6 | 23.4 | B | C |
| 13 | Haun Rd / Newport Rd | TS | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 3 | 1 | 2 | 2 | d | 37.9 | 49.0 | D | D |
| 14 | Haun Rd / Scott Rd | TS | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 40.4 | 39.3 | D | D |
| 15 | I-215 Southbound Ramps / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 29.6 | 30.3 | C | C |
| 16 | I-215 Southbound Ramps / Scott Rd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 31.3 | ***50.8*** | C | ***F***[4] |
| 17 | I-215 Northbound Ramps / Ethanac Rd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | d | 26.2 | 24.4 | C | C |
| 18 | I-215 Northbound Ramps / McCall Blvd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 1>> | 19.1 | 21.4 | B | C |
| 19 | I-215 Northbound Ramps / Newport Rd | TS | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 20.9 | 28.2 | C | C |
| 20 | I-215 Northbound Ramps / Scott Rd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 20.3 | 31.0 | C | C |
| 21 | Encanto Dr / Ethanac Rd | CSS | 1 | 0 | d | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 18.6 | 20.2 | C | C |
| 22 | Encanto Dr / McCall Blvd | TS | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | d | 20.3 | 22.0 | C | C |
| 23 | Antelope Rd / Newport Rd | TS | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1> | 1 | 3 | 0 | 41.3 | 49.8 | D | D |
| 24 | Antelope Rd / Scott Rd | TS | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 34.7 | 38.6 | C | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | TS | 0 | 1 | 1 | 0 | 1 | d | 1 | 2 | d | 1 | 2 | 0 | 41.4 | 20.5 | D | C |
| 26 | Menifee Rd / McCall Blvd | TS | 1 | 2 | d | 1 | 2 | d | 2 | 2 | 0 | 2 | 2 | 1 | 46.4 | 33.4 | D | C |
| 27 | Menifee Rd / Newport Rd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 0 | 1 | 2 | 1 | 45.6 | 35.7 | D | D |
| 28 | Menifee Rd / Holland Rd | AWS | 1 | 2 | d | 1 | 2 | 0 | 1 | 2 | d | 1 | 2 | d | 14.0 | 9.9 | B | A |
| 29 | Menifee Rd / Garbani Rd | AWS | 1 | 1 | d | 1 | 1 | d | 1 | 1 | 0 | 0 | 1 | 0 | 9.9 | 10.7 | A | B |
| 30 | Menifee Rd / Scott Rd | TS | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 27.3 | 30.2 | C | C |
| 31 | Lindenberger Rd / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 0 | 0 | 3 | 1 | 19.8 | 21.2 | B | C |
| 32 | Briggs Rd / SR-74 (Pinacate Rd.) | TS | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 0 | ***56.3*** | 31.9 | ***E*** | C |
| 33 | Briggs Rd / Scott Rd | TS | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 2 | 1 | 18.8 | 19.2 | B | B |

[1] When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane

[2] Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 Ramp Locations have been analyzed utilizing the Synchro software.

[3] TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

[4] Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

**BOLD** = Unsatisfactory level of service.

## 4.6 I-215 MAINLINE CAPACITY ANALYSIS

Using the City of Menifee General Plan Circulation Element roadway volume capacity values provided on Table 2-1, Table 4-3 provides a summary of the existing I-215 Mainline Capacity Analysis. The roadway segment capacities are approximate figures only, and are used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet projected traffic demands. As shown on Table 4-3, the I-215 is approaching or potentially exceeding the daily traffic capacity thresholds on all of the 5 segments. The I-215 will continue to experience traffic delay through year 2015 until the Riverside County Transportation Commission (RCTC) completes the planned I-215 widening project. The RCTC is planning to widen the I-215 from the junction of I-15/I-215 in Temecula to State Route 60 in Riverside. The proposed I-215 widening project will add one general purpose lane and inside shoulder in both directions.

## 4.7 TRUCK ACTIVITIES

To describe the existing truck activities in the City of Menifee, 24-hour vehicle classification counts were collected on three study area roadway segments. The traffic counts collected in July 2012 include the following vehicle classifications:

- Passenger Cars
- Buses/Recreational Vehicles
- 3-Axle Trucks
- 4 or More Axle Trucks

The vehicle classification counts included in Appendix 4.5 enable us to accurately describe the number of trucks in the vehicle mix on different type of roadway facilities. A review of the vehicle mix on Newport Road west of Haun Road (6-lane Urban Arterial) shows that trucks represent approximately 7.4% of the overall vehicle mix. On McCall Boulevard west of Bradley Road (4-lane Major) trucks represent approximately 6.2% of the traffic vehicle mix. The observed truck mix on a 4-lane Secondary roadway was 4.0% on Bradley Road north of Newport Road.

## 4.8 VEHICLE MILES TRAVELLED (VMT)

Due to the importance of air quality and climate change issues in the context of CEQA baseline (existing conditions), VMT data has been extracted from the Riverside County Transportation Analysis Model (RivTAM). The VMT extracted from the model takes into account existing land use patterns and trip generation, as well as the interaction of these trips within the City and between the City and surrounding areas.

It is also important to recognize that each vehicle trip has two ends, commonly referred to as an origin and a destination. Therefore, the calculation must divide the initial VMT estimate in half to account for

**Table 4-3**

**Existing I-215 Mainline Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Estimated Daily Capacity[1] | Existing ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| I-215 | 1 | North of SR-74 (Ethanac Road) | 4D | 76,500 | 72,000 | 0.94 | Approaching |
| | 2 | SR-74 (Ethanac Road) to McCall Boulevard | 4D | 76,500 | 74,000 | 0.97 | Approaching |
| | 3 | McCall Boulevard to Newport Road | 4D | 76,500 | 80,000 | **1.05** | **Potentially Exceeds** |
| | 4 | Newport Road to Scott Road | 4D | 76,500 | 85,000 | **1.11** | **Potentially Exceeds** |
| | 5 | South of Scott Road | 4D | 76,500 | 93,000 | **1.22** | **Potentially Exceeds** |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Capacity", 1.26+ = "Exceeds Capacity"

the contribution of both ends of the trip. For trips internal to the City of Menifee, the VMT attributable to both ends of the trip is accounted for. Trips that involve one trip-end outside the City of Menifee are allocated 50% to the City of Menifee and 50% to the other end of the trip. All shopping, recreational, social, and work related trips contribute to the VMT estimates. On an average daily basis, the following quantities of vehicle miles travelled are estimated for existing conditions:

- AM Peak Period – 781,000
- Mid Day Period – 1,268,000
- PM Peak Period – 1,218,000
- Nighttime Period – 865,000

Based upon RivTAM, the City of Menifee produces a total of approximately 4,132,000 VMT per day for existing conditions.

# 5.0 LAYERED TRANSPORTATION NETWORKS

Transportation takes many forms. Although mobility is most often expressed in automobile terms, walking, bicycling, neighborhood electric vehicles (NEVs)/ golf carts, transit and truck routes must also be considered. Environmental impact considerations, personal preference and economic situations all drive the need to accommodate "layered" networks. Various modal layers provide the framework for the City of Menifee General Plan Circulation Element (see Exhibit 5-1).

Enabling the use of transportation alternatives with modal layers provides a broader range of options for getting around town. Investment in layered networks that allow for use of these alternatives can often be provided in an efficient manner without diminishing the automobile's traditional role as the dominant mode choice.

This portion of the General Plan identifies the layered transportation networks, discusses their respective roles in personal mobility and provides a framework for a cohesive and comprehensive transportation system. A thoughtful approach toward future transportation modal layers also addresses legislative requirements, provides a basis for future strategic transportation investment and ensures a vibrant community through active mobility options. With this approach, the city is able to plan balanced infrastructure needs to maximize limited resources. In addition, development of layered transportation networks will allow the City to access various local, state and federal funding sources.

Mode choice is influenced by walk connectivity and proximity of buildings, bike accommodations, transit stop density and service characteristics, and availability of interconnected low speed routes. Layered transportation networks have been created to serve this demand. Alternative mode choices will also contribute to sustainable development by allowing users to satisfy their functional travel needs while supporting their environmental, social, and recreational interests.

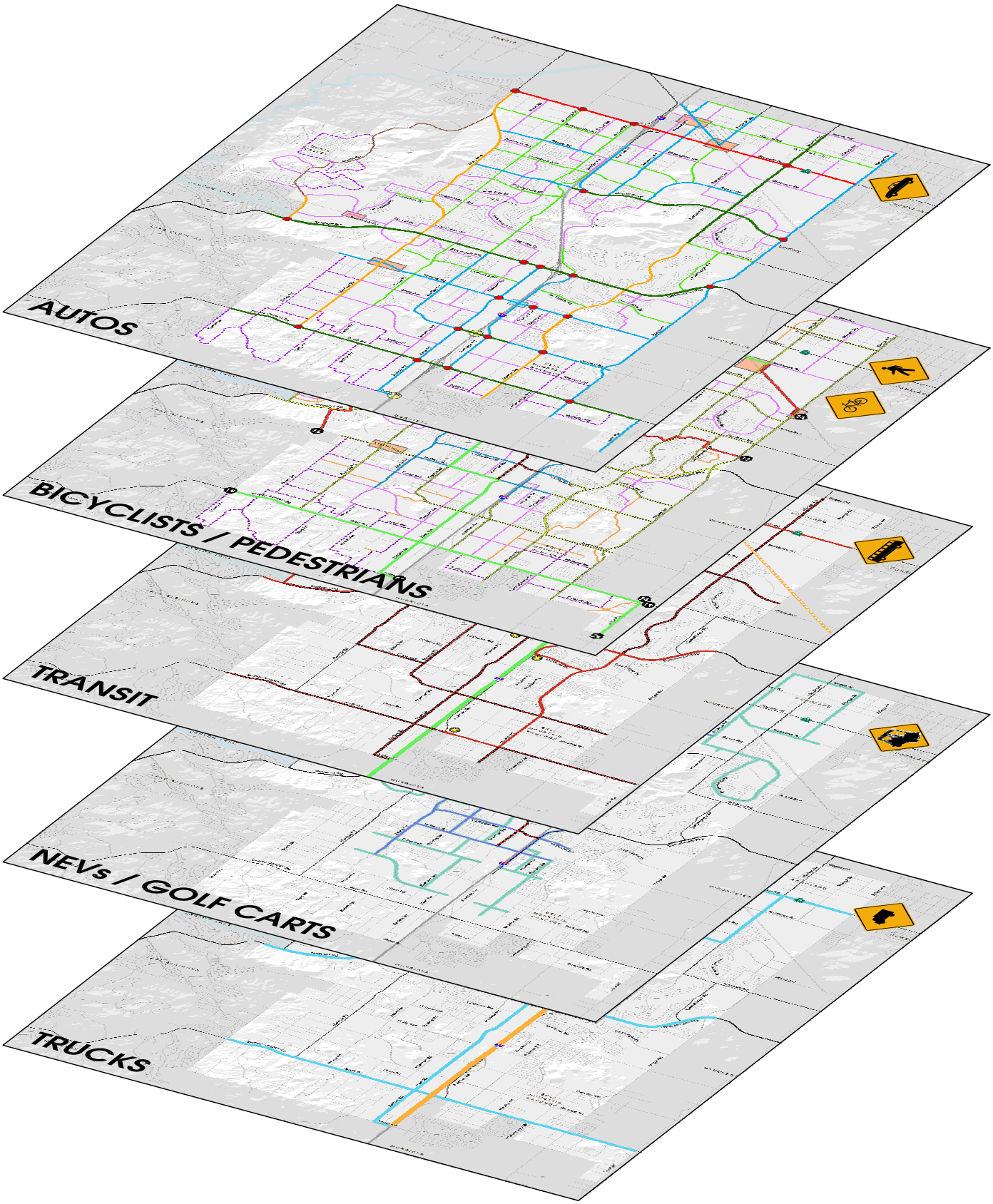
The City of Menifee is well-suited to alternative mode use, largely due to the natural environment. The climate is temperate to hot, which allows for year-round outside activity. During the most intense heat of summer or on rainy days, it is likely that travelers may choose enclosed travel modes more often than at other times of the year; they will also travel less. For the shorter trips and trips where alternate modes are faster, travelers may choose their preferred mode, regardless of weather conditions.

Layered transportation networks are designed to improve the balance between environmental concerns, community objectives, and performance (mobility and safety). Within Menifee, progress toward a sustainable transportation system can be advanced by focusing on the following objectives:

- Network Connectivity (more than one route between land uses and a mixture of low speed and high speed road connections wherever possible)

EXHIBIT 5-1

# CITY OF MENIFEE
# LAYERED TRANSPORTATION NETWORKS



- Operational Balance (flexibility to achieve community objectives and place making without sacrificing safety and mobility)
- Emissions Reduction/Energy Efficiency (prioritize designs which minimize idling times and vehicle miles traveled, help conserve resources and minimize waste)
- Pedestrian and Bicycle Accommodations (walkways and bikeways fully integrated)
- Transit Readiness (access to transit stops and effective interface of modes)
- Neighborhood Electric Vehicle/Golf Cart Facilities (system of NEV provisions: paths, lanes, charging stations, etc.)
- Quality Public Space (roadways spatially defined with structures and landscaping).

This chapter of the report describes the proposed Circulation Plan for the City of Menifee, focusing on the layered networks.

## 5.1 FUNCTIONAL ROADWAY CLASSIFICATIONS/ROADWAY CROSS-SECTIONS

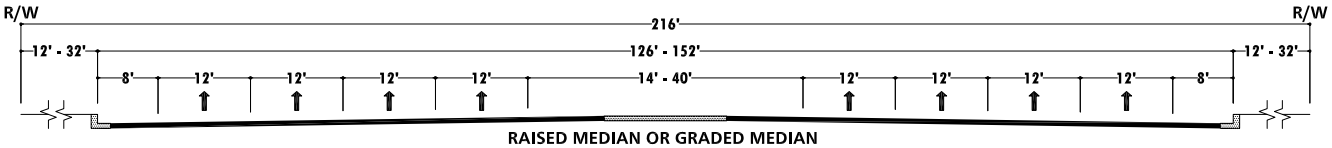
The recommended City of Menifee General Plan roadway cross-sections are shown on Exhibit 5-2. Classifications range from an Expressway/Limited Access Conventional Highway (the largest) to a Rural Local (the smallest). Several modifications to the currently adopted County (RCIP) highway cross-sections are recommended, in order to accommodate a broader array of traffic volume conditions and modes, to provide appropriate lane capacities within limited right-of-way (ROW), and to provide more detailed information on lane configurations, shoulders, medians, etc. Several cross-sections include variable curb-to-curb widths, which can accommodate existing right-of-way constraints. The increased range and flexibility of proposed City of Menifee cross sections (where different from County of Riverside standards) enables roadways to be designed for the connectivity of all users of streets (including pedestrians, bicyclists, NEVs, golf carts, and transit services) within the local context which is suitable to the suburban and rural areas of the City of Menifee. All development applications shall be designed to satisfy the ultimate right-of-way condition unless constraints are present and the City determines that a modified section is warranted.

### 5.1.1 EXPRESSWAY/LIMITED ACCESS CONVENTIONAL HIGHWAY

The Expressway/Limited Access Conventional Highway classification accommodates 6 to 8 through travel lanes, applicable to the Ethanac Road/SR-74 east-west corridor on the northern edge of the City of Menifee. Ethanac Road is planned to extend west to State Route 74 in Lake Elsinore, and to directly connect easterly into the existing State Route 74 alignment east of Antelope Road. Once completed, this corridor will provide a fluid east-west linkage through several jurisdictions where State Route 74 segments are currently disjointed. Consequently, regional connectivity issues will need to be addressed for this Expressway to be constructed.

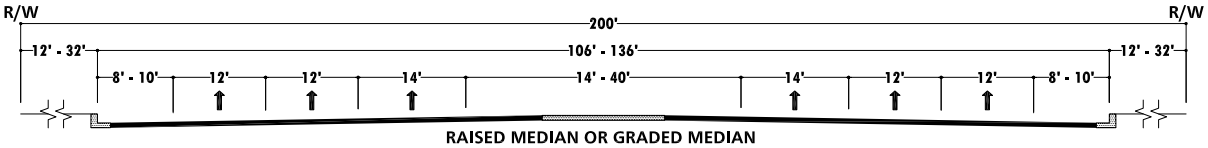
EXHIBIT 5-2 (Page 1 of 2)

# CITY OF MENIFEE
# GENERAL PLAN ROADWAY CROSS-SECTIONS



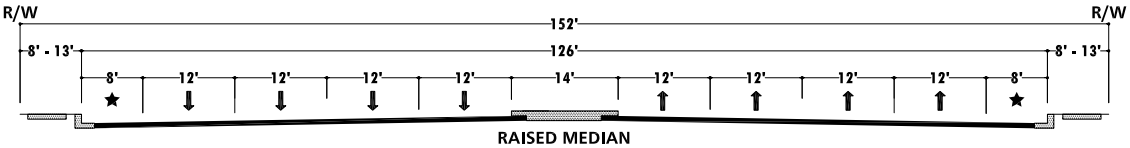

RAISED MEDIAN OR GRADED MEDIAN
WITH LEFT SHOULDERS

**EXPRESSWAY - 8 LANES**
**(LIMITED ACCESS CONVENTIONAL HIGHWAY)**



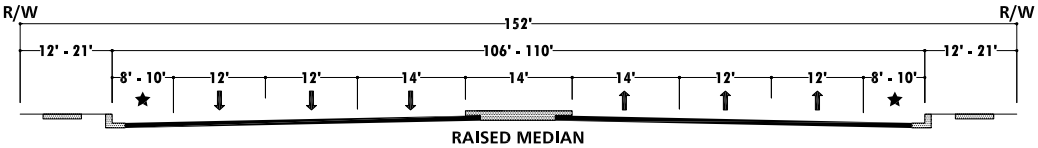

RAISED MEDIAN OR GRADED MEDIAN
WITH LEFT SHOULDERS

**EXPRESSWAY - 6 LANES**
**(LIMITED ACCESS CONVENTIONAL HIGHWAY)**



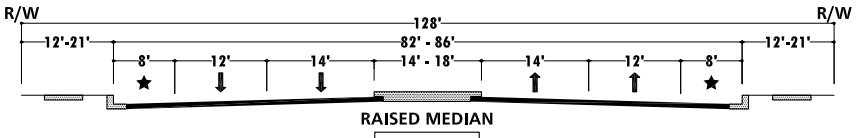

RAISED MEDIAN

**URBAN ARTERIAL - 8 LANES**



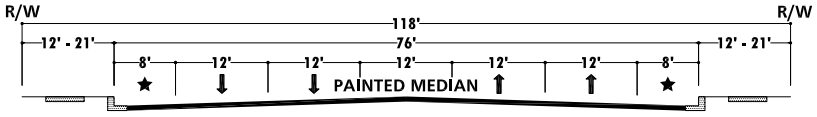

RAISED MEDIAN

**URBAN ARTERIAL - 6 LANES**

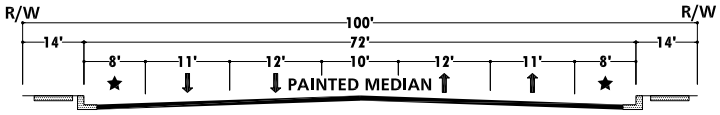



RAISED MEDIAN

**ARTERIAL**




**MAJOR**




**SECONDARY**
**(4 LANES, WITH MEDIAN TURN LANES AND NEV/BIKE LANES)**

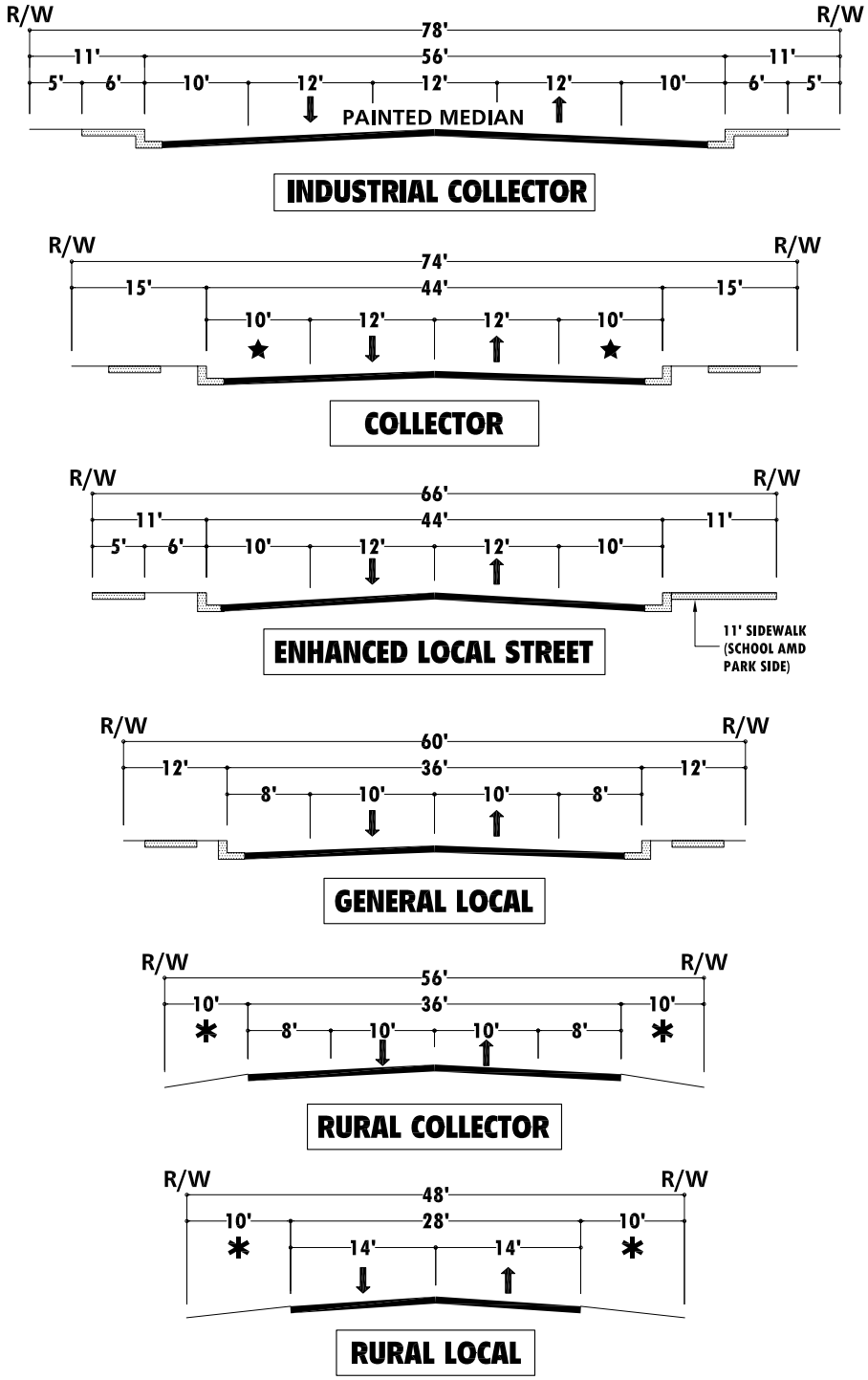
★ SHOULDERS MAY ACCOMMODATE EXCLUSIVE BIKE LANES, SHARED NEV / BIKE LANES, OR ON-STREET PARKING SUBJECT TO APPROVAL BY CITY ENGINEER.

THESE STANDARD SECTIONS ARE FOR TYPICAL ROADWAY SEGMENTS. INTERSECTION LANE REQUIREMENTS MAY INCREASE THE CROSS-SECTION WIDTHS.

SIDEWALKS MAY BE CURB-ADJACENT OR SEPARATED FROM ROADWAY BY A LANDSCAPED PARKWAY.

*NOT TO SCALE*

# CITY OF MENIFEE
# GENERAL PLAN ROADWAY CROSS-SECTIONS




★ SHOULDERS MAY ACCOMMODATE EXCLUSIVE BIKE LANES, SHARED NEV / BIKE LANES, OR ON-STREET PARKING SUBJECT TO APPROVAL BY CITY ENGINEER.

✱ RURAL PARKWAYS MAY ACCOMMODATE PEDESTRIAN DIRT PATHS AND / OR EQUESTRIAN TRAILS, AND WATER QUALITY TREATMENT SUBJECT TO APPROVAL BY CITY ENGINEER.

THESE STANDARD SECTIONS ARE FOR TYPICAL ROADWAY SEGMENTS. INTERSECTION LANE REQUIREMENTS MAY INCREASE THE CROSS-SECTION WIDTHS.

SIDEWALKS MAY BE CURB-ADJACENT OR SEPARATED FROM ROADWAY BY A LANDSCAPED PARKWAY.

*NOT TO SCALE*

### 5.1.2 URBAN ARTERIAL

The Urban Arterial is generally a six-lane section with a curbed median, although an eight lane version of this classification is required in at least one location in the City (Newport Road in the vicinity of the I-215 interchange) based upon traffic projections. The Urban Arterial cross-sections have been modified from the currently adopted County cross-section to provide more detail and more flexibility on the median and parkway widths.

### 5.1.3 ARTERIAL

An Arterial is a four-lane section with a raised median. The Arterial cross-section has been modified from the County typical cross-section to provide more detail and more flexibility for the median and parkway widths. Shoulders may accommodate exclusive bike lanes or shared NEV/bike lanes. Sidewalks may be curb-adjacent or separated from the roadway by a landscaped parkway, or on-street parking subject to approval.

### 5.1.4 MAJOR

The Major is a four-lane section with a painted median. The Major cross-section has been modified from the County cross-section to provide more flexibility for parkway widths. Shoulders may accommodate exclusive bike lanes or shared NEV/bike lanes. Sidewalks may be curb-adjacent or separated from the roadway by a landscaped parkway.

### 5.1.5 SECONDARY

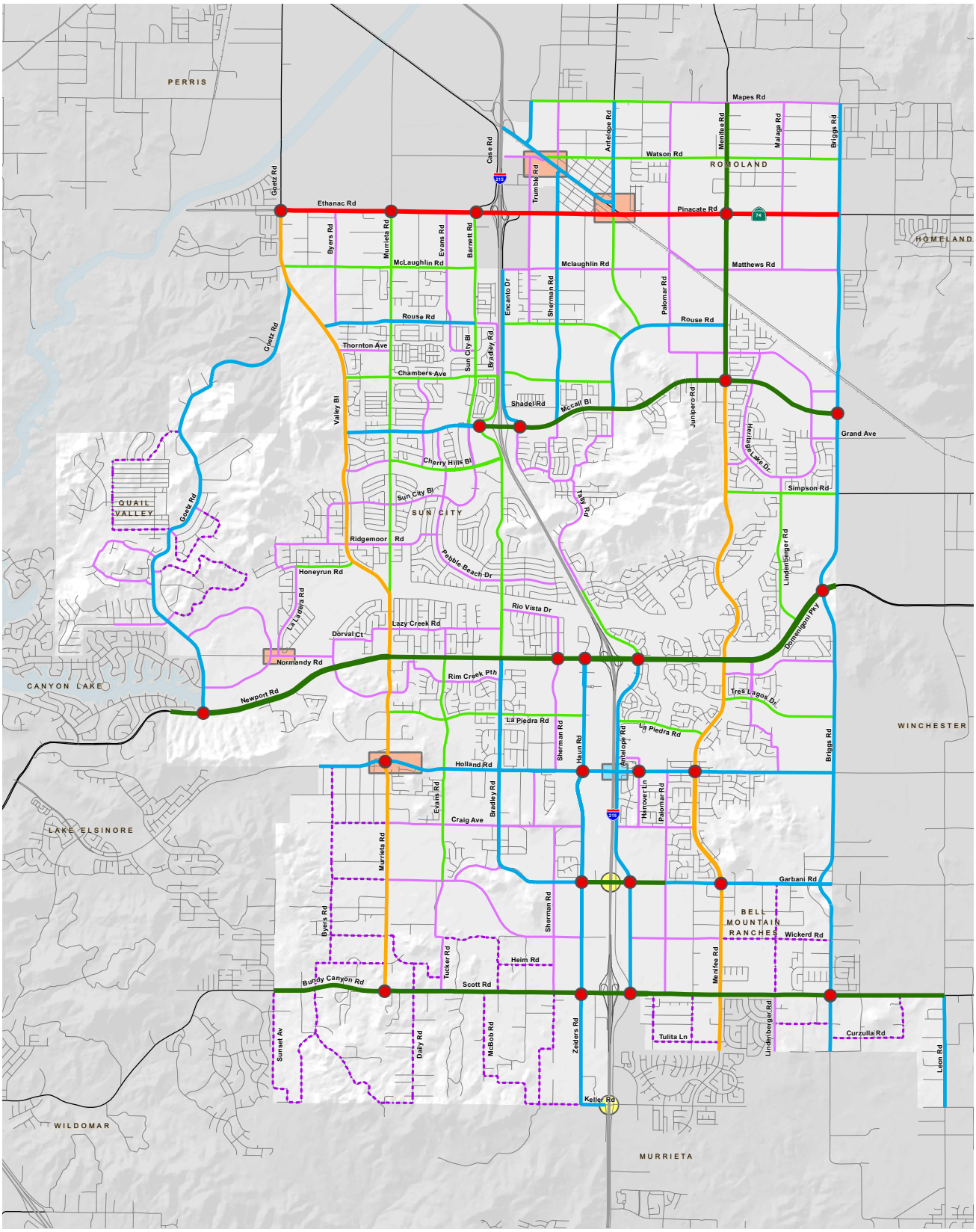
The Secondary classification is shown on Exhibit 5-2. The Secondary is a four-lane roadway that provides median turn lanes and bike lanes or shared NEV/bike lanes. The Secondary classification provides 100' right-of-way. Sidewalks should be separated from the roadway by a landscaped parkway.

### 5.1.6 COLLECTOR/RURAL COLLECTOR AND LOCAL STREETS

The proposed Menifee General Plan Roadway Network (Exhibit 5-3) incorporates a system of Collector streets that provide an important function for neighborhood-to-neighborhood interaction involving autos, bikes, pedestrians, and NEVs/golf carts. These two-lane, low-to-moderate speed connections should be protected and expanded where feasible. They provide an alternative to traveling on higher capacity and higher speed roads in order to navigate through the City of Menifee for short trips. Several Collector and Local roadway classifications apply to these routes and the classifications will vary with the context of each roadway segment.

Exhibit 5-3

# Proposed Menifee General Plan Roadway Network




Expressway (6 to 8 Lanes, Divided)

Urban Arterial (6 to 8 Lanes, Divided)

Arterial (4 Lanes, Divided)

Major (4 Lanes, Divided)

Secondary (4 Lanes, Undivided)

Collector (2 Lanes)

Rural Collector (2 Lanes)

Future Freeway Interchange

Connectivity Analysis Zone - Roadway alignments, intersection geometrics and traffic control features subject to additional assessment

Future Freeway Overcrossing

Enhanced Intersection - Additional lanes / Right-of-Way required within 600 feet of the intersection

MENIFEE GENERAL PLAN



URBAN CROSSROADS

20130705MenifeeGP 7/22/2013 0 0.5 1 Mile

Three versions of the Collector classification are shown on Exhibit 5-2. The Collector is a two-lane undivided section with shoulders that can accommodate on-street parking or exclusive bike lanes or shared NEV/bike lanes. NEV/bike lanes would only be needed on this roadway classification if posted speed limits exceed 35mph. The Industrial Collector consists of two-lane divided sections with a painted median which can be utilized where left turn pockets are needed. The Rural Collector is a two-lane undivided section which may accommodate pedestrian dirt paths and/or equestrian trails within the parkway.

The General Local, Enhanced Local and Rural Local classifications shown of Exhibit 5-2 are basic two-lane undivided cross sections. The General Local accommodates on-street parking on both sides of the roadway as needed, and sidewalks may be curb-adjacent or separated from the roadway by a landscaped parkway. The Enhanced Local may be utilized to provide added sidewalk area adjacent to schools and parks. The Rural Local has space for only limited on-street parking (one side), and it may accommodate pedestrian dirt paths and/or equestrian trails within the parkway.

### 5.1.7 THE CITYWIDE ROADWAY NETWORK

Exhibit 5-3 presents the entire roadway plan. In addition to functional classifications, the plan identifies **Enhanced Intersection** locations (additional lanes/right-of-way required within 600 feet of the intersection) and **Connectivity Analysis Zones** (roadway alignments, intersections geometrics and traffic control features subject to future assessment). In coordination with City staff, Exhibit 5-3 identifies twenty-four Enhanced Intersection locations that may require additional lanes and/or right-of-way in order to satisfy the City of Menifee peak hour intersection LOS criteria described in Section 2.5. While the typical intersection lane geometrics may satisfy the LOS requirements at these locations additional enhancements may be required by the City of Menifee.

The proposed Citywide Roadway Network identifies four Connectivity Analysis Zones that may be subject to review and future consideration by the City of Menifee. These areas have been highlighted to recognize that additional evaluation of the roadway alignments, intersection geometrics and traffic control features are needed.

The proposed Menifee General Plan Roadway network was developed based on an extensive review of existing plans and the capacity requirements prescribed by the future Menifee Traffic Model. This review included consideration of the following:

- Geography
- Approved and Projects in Progress
- Adopted Specific Plans
- Adopted and Planned County of Riverside Roadway General Plan Circulation Element
- City of Perris General Plan
- City of Canyon Lake Zoning Map

- City of Murrieta General Plan
- City of Lake Elsinore General Plan
- City of Wildomar General Plan

The General Plan roadway network is designed to support the vision for the Menifee that is reflected in the land use element. The proposed network will provide the necessary roadway infrastructure and connectivity to accommodate the population and employment growth planned for the City of Menifee.

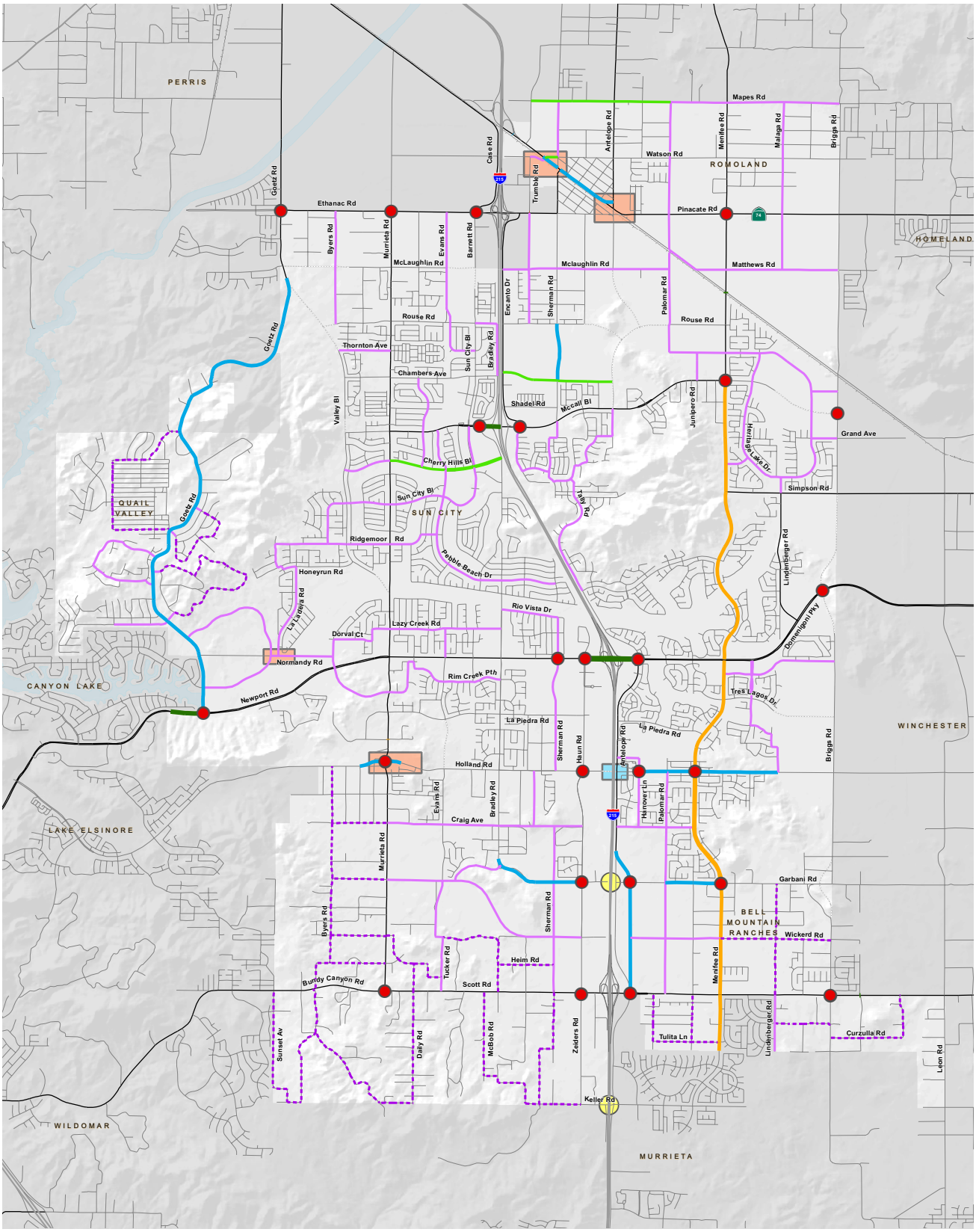
Exhibit 5-4 depicts the locations where changes from the County 2003 RCIP General Plan roadway network are proposed. These changes include modifications in the roadway classifications and additions of new roadway segments and features to promote network connectivity. To the best of our knowledge these improvements can be implemented in the long term, but future design efforts based on in-depth engineering work will be necessary to ultimately resolve any questions of feasibility.

A detailed description comparing the study area roadway segment classification on the proposed Roadway Network to the County General Plan network is included in Table 5-1. Changes between the RCIP 2035 and Menifee Post-2035 roadway network are also highlighted on Table 5-1. While the segments identified on Table 5-1 are limited to the study area roadway segments, Exhibit 5-4 shows the proposed modifications for the entire City of Menifee roadway network. In general, classifications have been further stratified and the City of Menifee collector system is now included. In addition, Table 5-1 suggests that with improvements to the overall network connectivity through the use of collector/local routes, several roads within the City can be downsized and still provide adequate capacity to serve buildout of the proposed General Plan Land Use.

Exhibit 5-5 highlights the currently proposed network features in the State Route 74/Ethanac Road convergence area. Mathews Road (SR-74) currently turns into Pinacate Road (SR-74) just east of Antelope Road, as it does not currently have a connection south of Ethanac Road/Pinacate Road. When the direct connection of Ethanac Road to SR-74 occurs in the future, the current diagonal alignment of Mathews Road (SR-74) is proposed to “T” into Antelope Road north of Ethanac Road/Pinacate Road. This area is identified as one of the Connectivity Analysis Zones acknowledging that additional review of the roadway alignments, intersection geometrics and traffic control features are needed.

EXHIBIT 5-4

# Proposed Menifee / 2003 RCIP Modifications




Expressway (6 to 8 Lanes, Divided)

Urban Arterial (6 to 8 Lanes, Divided)

Arterial (4 Lanes, Divided)

Major (4 Lanes, Divided)

Mountain Arterial (4 Lanes, Undivided)

Secondary (4 Lanes, Undivided)

Collector (2 Lanes)

Rural Collector (2 Lanes)

Future Freeway Interchange

Connectivity Analysis Zone - Roadway alignments, intersection geometrics and traffic control features subject to additional assessment

Future Freeway Overcrossing

Enhanced Intersection - Additional lanes / Right-of-Way required within 600 feet of the intersection

MENIFEE GENERAL PLAN



URBAN CROSSROADS

20130705MenifeeChanges 7/22/2013 0 0.5 1 Mile

**Table 5-1 (1 of 5)**

**Roadway Classification Comparison**

| Roadway | ID | Segment | RCIP 2035 | | Menifee Post-2035 | |
|---|---|---|---|---|---|---|
| | | | Class | Lanes[1] | Class | Lanes[1] |
| Goetz Road | 1 | North of Ethanac Rd. | Arterial | 4D | Arterial | 4D |
| | 2 | South of Ethanac Rd. | Arterial | 4D | Arterial | 4D |
| | 3 | North of Newport Rd. | **Mountain** | **4D** | **Arterial** | **4D** |
| Murrieta Road | 4 | North of Ethanac Rd. | Secondary | 4U | Secondary | 4U |
| | 5 | South of Ethanac Rd. | Secondary | 4U | Secondary | 4U |
| | 6 | North of McCall Bl. | Secondary | 4U | Secondary | 4U |
| | 7 | Between McCall Bl. & Cherry Hills Bl. | Secondary | 4U | Secondary | 4U |
| | 8 | South of Cherry Hills Bl. | Secondary | 4U | Secondary | 4U |
| | 9 | North of Newport Rd. | Arterial | 4D | Arterial | 4D |
| | 10 | South of Newport Rd. | Arterial | 4D | Arterial | 4D |
| | 11 | North of Scott Rd. | Arterial | 4D | Arterial | 4D |
| Bradley Road | 12 | North of McCall Bl. | Secondary | 4U | Secondary | 4U |
| | 13 | Between McCall Bl. & Cherry Hills Bl. | Secondary | 4D | Secondary | 4D |
| | 14 | South of Cherry Hills Bl. | Secondary | 4U | Secondary | 4U |
| | 15 | North of Newport Rd. | Secondary | 4U | Secondary | 4U |
| | 16 | South of Newport Rd. | Major | 4D | Major | 4D |
| Encanto Road | 17 | South of Ethanac Rd. | Major | 4D | Major | 4D |
| | 18 | North of McCall Bl. | Major | 4D | Major | 4D |
| | 19 | South of McCall Bl. | **Local** | **2U** | **Collector** | **2U** |
| Haun Road | 20 | North of Newport Rd. | Local | 2U | Local | 2U |
| | 21 | South of Newport Rd. | Major | 4D | Major | 4D |
| | 22 | North of Scott Rd. | Major | 4D | Major | 4D |
| | 23 | South of Scott Rd | Major | 4D | Major | 4D |

**Table 5-1 (2 of 5)**

**Roadway Classification Comparison**

| Roadway | ID | Segment | RCIP 2035 | | Menifee Post-2035 | |
|---|---|---|---|---|---|---|
| | | | Class | Lanes[1] | Class | Lanes[1] |
| Antelope Road | 24 | North of Newport Rd. | Secondary | 4D | Secondary | 4D |
| | 25 | South of Newport Rd. | Major | 4D | Major | 4D |
| | 26 | North of Scott Rd. | Major | 4D | Major | 4D |
| | 27 | South of Scott Rd | Major | 4D | Major | 4D |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) | Urban | 6D | Urban | 6D |
| | 29 | South of SR-74 (Pinacate Rd.) | Urban | 6D | Urban | 6D |
| | 30 | North of McCall Bl. | Urban | 6D | Urban | 6D |
| | 31 | Between McCall Bl. & Simpson Rd | **Urban** | **6D** | **Arterial** | **4D** |
| | 32 | North of Newport Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 33 | South of Newport Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 34 | North of Holland Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 35 | South of Holland Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 36 | North of Garbani Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 37 | South of Garbani Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 38 | North of Scott Rd. | **Urban** | **6D** | **Arterial** | **4D** |
| | 39 | South of Scott Rd | **Urban** | **6D** | **Arterial** | **4D** |
| Lindenberger Road | 40 | North of Newport Rd. | Secondary | 4U | Secondary | 4U |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) | Major | 4D | Major | 4D |
| | 42 | South of SR-74 (Pinacate Rd.) | Major | 4D | Major | 4D |
| | 43 | North of Scott Rd. | Major | 4D | Major | 4D |
| | 44 | South of Scott Rd | Major | 4D | Major | 4D |

**Table 5-1 (3 of 5)**

**Roadway Classification Comparison**

| Roadway | ID | Segment | RCIP 2035 | | Menifee Post-2035 | |
|---|---|---|---|---|---|---|
| | | | Class | Lanes[1] | Class | Lanes[1] |
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. | Expressway | 6D | Expressway | 6D |
| | 46 | Between Goetz Rd & Murrieta Rd. | Expressway | 6D | Expressway | 6D |
| | 47 | East of Murrieta Rd. | Expressway | 6D | Expressway | 6D |
| | 48 | West of I-215 SB Ramp | **Expressway** | **6D** | **Expressway** | **8D** |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp | **Expressway** | **6D** | **Expressway** | **8D** |
| | 50 | Between I-215 NB Ramp & Encanto Dr. | **Expressway** | **6D** | **Expressway** | **8D** |
| | 51 | East of Encanto Dr. | **Expressway** | **6D** | **Expressway** | **8D** |
| | 52 | West of Menifee Rd. | **Expressway** | **6D** | **Expressway** | **8D** |
| | 53 | East of Menifee Rd. | **Expressway** | **6D** | **Expressway** | **8D** |
| | 54 | West of Briggs Rd. | **Expressway** | **6D** | **Expressway** | **8D** |
| | 55 | East of Briggs Rd. | **Expressway** | **6D** | **Expressway** | **8D** |
| McCall Boulevard | 56 | West of Murrieta Rd. | Major | 4D | Major | 4D |
| | 57 | East of Murrieta Rd. | Major | 4D | Major | 4D |
| | 58 | West of Bradley Rd. | Major | 4D | Major | 4D |
| | 59 | Between Bradley Rd & I-215 SB Ramp | **Major** | **4D** | **Urban** | **6D** |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp | Urban | 6D | Urban | 6D |
| | 61 | Between I-215 NB Ramp & Encanto Dr. | Urban | 6D | Urban | 6D |
| | 62 | East of Encanto Dr. | Urban | 6D | Urban | 6D |
| | 63 | West of Menifee Rd. | Urban | 6D | Urban | 6D |
| | 64 | East of Menifee Rd. | Urban | 6D | Urban | 6D |

**Table 5-1 (4 of 5)**

**Roadway Classification Comparison**

| Roadway | ID | Segment | RCIP 2035 | | Menifee Post-2035 | |
|---|---|---|---|---|---|---|
| | | | Class | Lanes[1] | Class | Lanes[1] |
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. | **Local** | **2U** | **Collector** | **2U** |
| | 66 | East of Murrieta Rd. | **Local** | **4D** | **Secondary** | **4D** |
| | 67 | West of Bradley Rd. | **Local** | **4D** | **Secondary** | **4D** |
| Newport Road | 68 | West of Goetz Rd. | Arterial | 4D | Urban | 6D |
| | 69 | East of Goetz Rd. | Urban | 6D | Urban | 6D |
| | 70 | West of Murrieta Rd. | Urban | 6D | Urban | 6D |
| | 71 | East of Murrieta Rd. | Urban | 6D | Urban | 6D |
| | 72 | West of Bradley Rd. | Urban | 6D | Urban | 6D |
| | 73 | East of Bradley Rd. | Urban | 6D | Urban | 6D |
| | 74 | West of Haun Rd. | Urban | 6D | Urban | 6D |
| | 75 | Between Haun Rd. & I-215 SB Ramp | **Expressway** | **8D** | **Urban** | **8D** |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp | **Expressway** | **8D** | **Urban** | **8D** |
| | 77 | Between I-215 NB Ramp & Antelope Rd. | **Expressway** | **8D** | **Urban** | **8D** |
| | 78 | East of Antelope Rd. | Urban | 6D | Urban | 6D |
| | 79 | West of Menifee Rd. | Urban | 6D | Urban | 6D |
| | 80 | East of Menifee Rd. | Urban | 6D | Urban | 6D |
| | 81 | West of Lindenberger Rd. | Urban | 6D | Urban | 6D |
| | 82 | East of Lindenberger Rd. | Urban | 6D | Urban | 6D |
| Holland Road | 83 | West of Menifee Rd. | Major | 4D | Major | 4D |
| | 84 | East of Menifee Rd. | Major | 4D | Major | 4D |
| Garbani Road | 85 | West of Menifee Rd. | **Urban** | **6D** | **Major** | **4D** |
| | 86 | East of Menifee Rd. | Major | 4D | Major | 4D |

**Table 5-1 (5 of 5)**

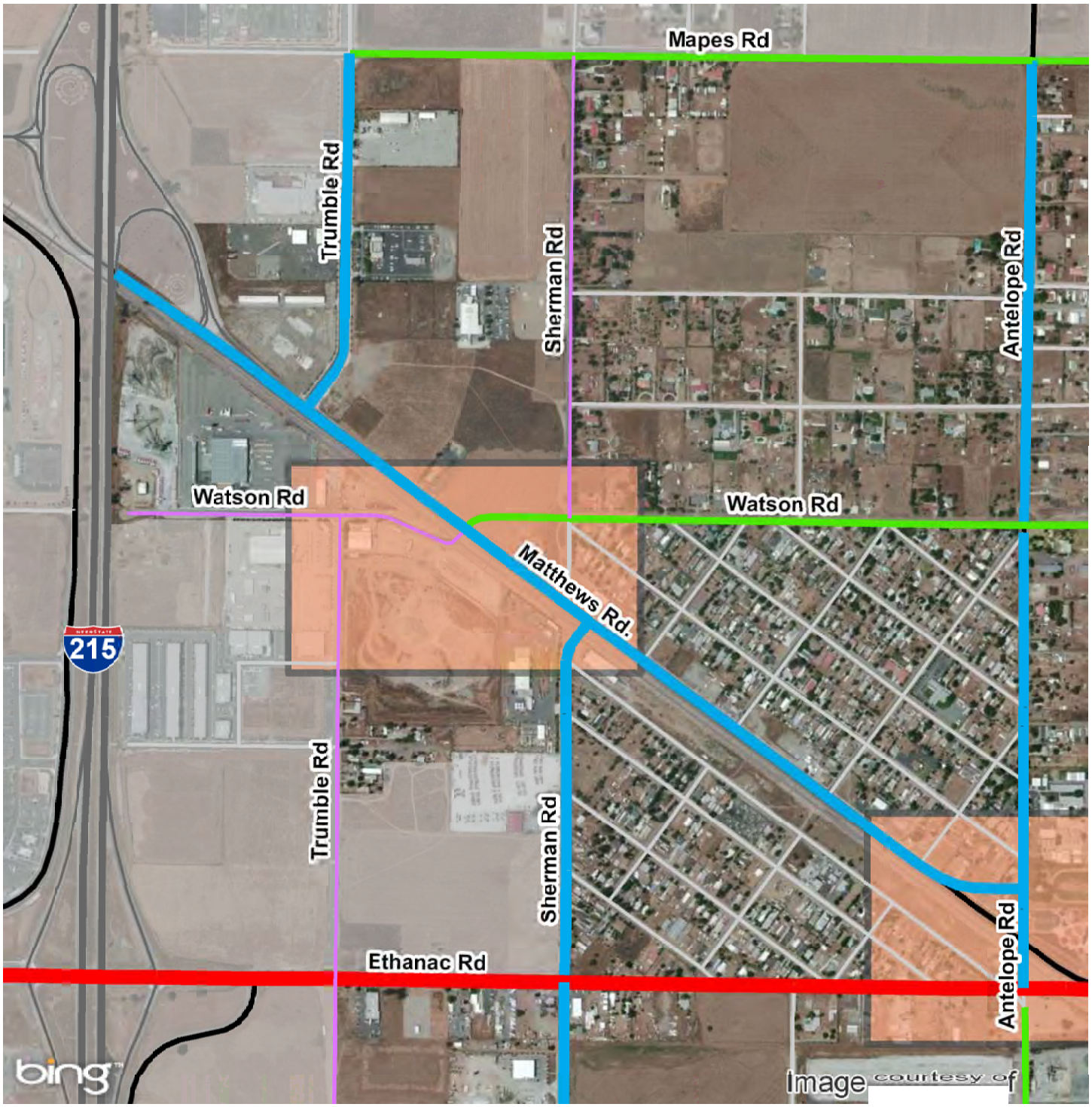
**Roadway Classification Comparison**

| Roadway | ID | Segment | RCIP 2035 | | Menifee Post-2035 | |
|---|---|---|---|---|---|---|
| | | | Class | Lanes[1] | Class | Lanes[1] |
| Scott Road | 87 | West of Murrieta Rd. | Urban | 6D | Urban | 6D |
| | 88 | East of Murrieta Rd. | Urban | 6D | Urban | 6D |
| | 89 | West of Haun Rd. | Urban | 6D | Urban | 6D |
| | 90 | Between Haun Rd. & I-215 SB Ramp | Urban | 6D | Urban | 6D |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp | Urban | 6D | Urban | 6D |
| | 92 | Between I-215 NB Ramp & Antelope Rd. | Urban | 6D | Urban | 6D |
| | 93 | East of Antelope Rd. | Urban | 6D | Urban | 6D |
| | 94 | West of Menifee Rd. | Urban | 6D | Urban | 6D |
| | 95 | East of Menifee Rd. | Urban | 6D | Urban | 6D |
| | 96 | West of Briggs Rd. | Urban | 6D | Urban | 6D |
| | 97 | East of Briggs Rd. | Urban | 6D | Urban | 6D |

Changes between the RCIP 2035 and Menifee Post-2035 roadway classifications are highlighted.

[1] D= Divided; U = Undivided

# Exhibit 5-5
# State Route 74/Ethanac Road Convergence Area
# Proposed Menifee General Plan Roadway Network




Expressway

Major

Secondary

Collector/Interconnected Local

Connectivity Analysis Zone - Roadway alignments, intersection geometrics and traffic control features subject to additional assessment

MENIFEE GENERAL PLAN

URBAN CROSSROADS

20121115MenifeeGPz 11/15/2012 0 0.5 1 Mile

## 5.2 BIKEWAY AND COMMUNITY PEDESTRIAN NETWORK

The proposed Menifee Bikeway and Community Pedestrian Network (Exhibit 5-6) works in conjunction with the proposed Menifee General Plan Roadway Network to provide a framework for key routes and facilities that will enhance connectivity for all users. The layered networks enable travel by various modes to major activity areas, including civic and county facilities, hospitals, libraries, major parks and recreation area, colleges, malls and major retail centers and large employment centers.

A robust sidewalk and bikeway network provides an alternate to the automobile. Thoughtful and strategic investment can help to reduce emission-related pollution, congestion and improve overall community character. In addition, a well-designed pedestrian-based system can encourage usage.

There are 10 elementary schools, 4 middle schools, 2 high schools, and 5 private or parochial schools in Menifee. Additionally, Mount San Jacinto Community College (Menifee Valley Campus) is in Menifee, and several transit nodes have been identified. The proposed Menifee Bikeway and Community Pedestrian Network provide linkages to these key destinations.

### 5.2.1 PEDESTRIAN / MOBILITY DEVICE USERS

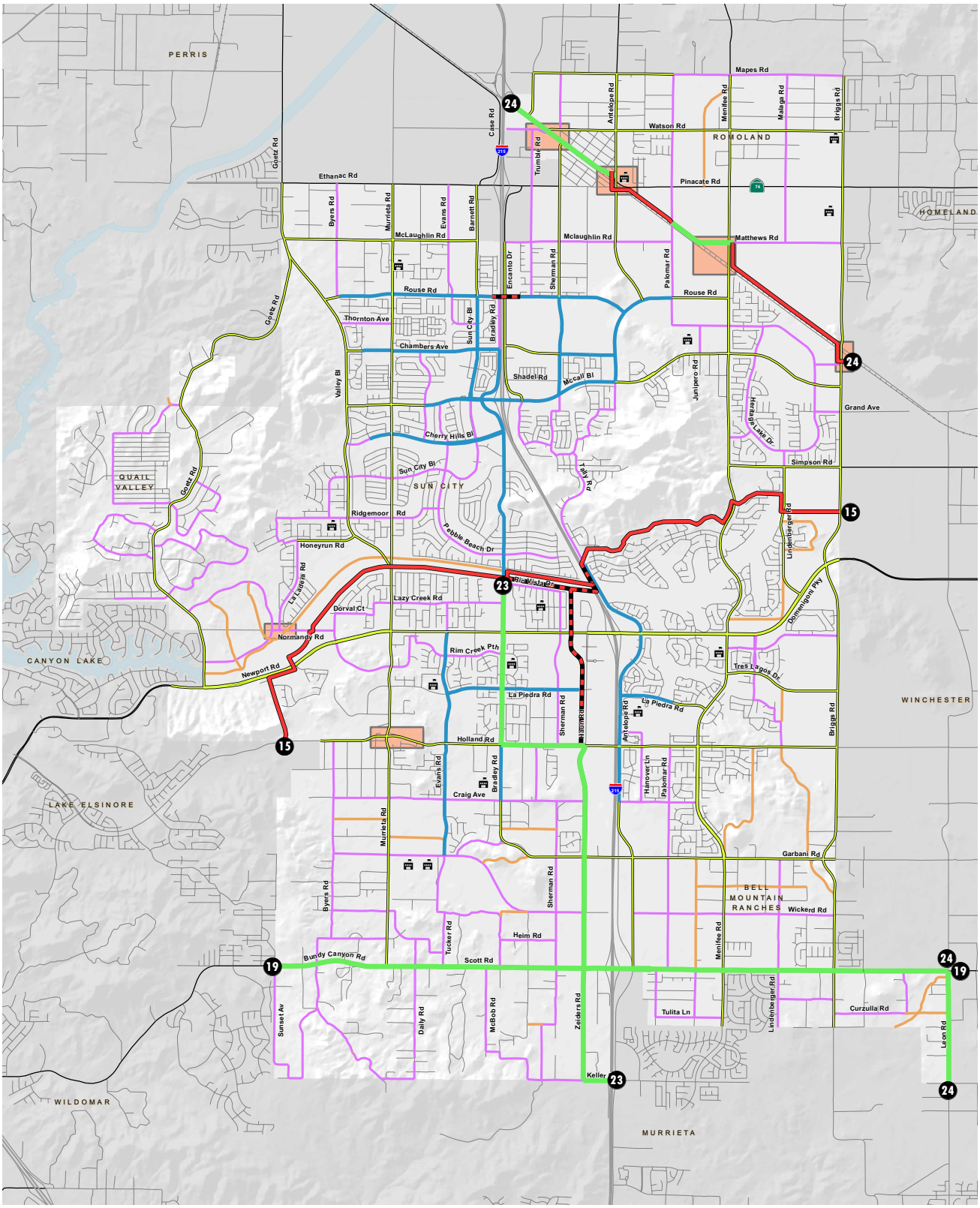
Walking is the simplest form of transportation available. Sidewalks, paths and trails serve as the pedestrian roadway, and are therefore an integral part of the roadway network discussed above. Walking trips are made out of necessity, preference or simple for exercise. Walking trips are traditional shorter in length (less than one mile) compared to other modes. Typical walking trips are to neighborhood shopping, school, parks/recreation, visit friends, or to a transit stop. Without a formal structure in place, walkers will forge a new path, follow unsafe routes or seek out less convenient or more costly alternatives. Neighborhoods and activity centers (such as schools, parks, retail, employment, etc.) should be accessible by foot wherever practical.

Walking is the least expensive transportation mode, so building and maintaining a high quality pedestrian infrastructure is advisable to help ensure that the community will be a safe, convenient, and attractive place to walk, emphasizing safe routes to school, core area paths, and connections to transit. Everyone is a pedestrian at some point during the day. We all walk with or without mobility aids (including wheelchairs, walkers, crutches, canes, scooters, and service animals used by people with disabilities), whether to a school, transit stop, to a parked car, to work, or for exercise.

### 5.2.2 PEDESTRIAN DESIGN CONSIDERATIONS

Walkways should be designed and built to accommodate a variety of users in a safe setting with continuity throughout the community. The design and operation of pedestrian oriented areas should carefully integrate the needs of pedestrians, motor vehicles, transit riders and bicycle users. In general the following elements should be considered:

# Exhibit 5-6
# Proposed Menifee Bikeway and Community Pedestrian Network




- Subregional Route - Off-Road Bike Trail (Class I)
- Subregional Route - On-Street Bike Lanes (Class II)
- Community Off-Road NEV/ Bike Trail (Class I)
- Community On-Street NEV/Bike Lanes (Class II)
- Community On-Street Bike Lanes (Class II)
- Community Hiking / Biking Trail Opportunity
- Class III Bike Routes
- Connectivity Analysis Zone - Trail alignments and traffic control features subject to additional assessment
- Existing Schools
- Subregional Route Number (WRCOG Non-Motorized Transportation Plan)

MENIFEE GENERAL PLAN



URBAN CROSSROADS

20130705Bikeways 7/22/2013 0 0.5 1 Mile

- Schools should be accessible by foot wherever safe and practical. Ideally, sidewalks and/or paths should be provided within a minimum one-half mile radius of all schools. This distance allows for a 10-20 minute walk to school and can reduce car trips during congested periods. The radius can be expanded for high school locations and still provide for the 10-20 minute target walking time. Longer trips may occur but are less common. State and Federal funding may be available through various “safe routes to schools” programs.
- Community centers (shopping, recreation, worship, etc.) should include careful attention to off-site accessibility and on-site pedestrian movement. Large shopping centers often inhibit pedestrian trips and increase the need for on-site parking through auto-centric design and a lack of safe pathways within the center. Each site is unique and will require thoughtful layout to address parking space ratio requirements and encourage non-automotive trips. Parking requirement reductions should be considered for pedestrian-friendly, walkable centers.
- Neighborhoods should be linked to one another through a network of paths, sidewalks and access points. Cul-de-sac should include gateways that enable access to neighboring blocks without requiring circuitous routes. Neighborhoods without connections discourage interaction and encourage vehicular trips.
- Bus stops should include sidewalks and an ADA accessible pad wherever possible. Most transit agencies plan bus stops with a one-half to three-mile radius for maximum ridership potential. If transit usage is to be encouraged in lieu of vehicular trips, sidewalks and paths off of paved road surfaces should be considered wherever possible.

Safe pedestrian crossings are critical components of the pedestrian network. Although the California Vehicle Code states that a crosswalk implicitly exits on every leg at every intersection, it is important to recognize that visibility and safety are important factors that determine where people will attempt to cross a street. The following guidelines are recommended for pedestrian crossings, including both signalized and unsignalized crosswalks:

- Crosswalks should meet MUTCD standards and criteria, with wide crosswalks considered in areas of high pedestrian volumes.
- The City should use high-visibility crosswalks, especially along busy streets, in school zones, along pedestrian-oriented streets, and where a significant number of pedestrians are present. "Zebra" style crosswalks are most visible.
- Unsignalized pedestrian crosswalks should be adequately lighted, have clear sight distances, and be free from obstructions, such as landscaping and poles.
- Appropriate pedestrian crossing signs should be displayed in advance of, and adjacent to, all marked unsignalized crosswalks in order to enhance visibility of pedestrians by motorists.
- Mid-block crosswalks should be designated only in areas with relatively high pedestrian activity and crossing patterns, or where the distance to the nearest crosswalk is greater than 600 feet.
- At signalized intersections, efforts should be made to install marked crosswalks at every leg of the intersection where feasible, given traffic and other considerations.

- All crossings should meet ADA standards and guidelines.
  ADA-compliant curb ramps should be provided at all corners. Where physically feasible, every corner should have two perpendicular ramps.
- Where feasible, pedestrian crossing islands should be considered where pedestrians are required to cross a wide multi-lane street.
- Curb extensions should be considered at intersection corners as a way to minimize the crossing distance of pedestrians and to increase visibility.
- Raised crosswalks also contribute to pedestrian safety through catching the attention of drivers, slowing automobiles, and they provide a more comfortable walking environment. According to the Federal Highway Administration (FHWA), raised crosswalks increase pedestrian visibility and eliminate the need for curb ramps, which improves access for people with mobility impairments and increases the sidewalk area available to pedestrians waiting to cross the street.

### 5.2.3 BICYCLE PLANNING CONSIDERATIONS

Bicycles are used for recreation and commute trips to schools, jobs, parks, activity centers, and other social activities. Streets and communities that are oriented toward multi-modal travel tend to be viewed as more active, inviting, vibrant, and environmentally conscious. Bikes can be accommodated through thoughtful street design, striped lanes and separate off-street paths. Destinations can encourage bicycle trips through careful parking lot design to avoid conflicts with cars and pedestrians, security (racks/lockers), comfort stations including drinking fountains, benches and restrooms where practical, and well maintained surfaces.

Menifee's roadway network, relatively flat terrain and typical California weather provides an ideal setting for promoting and encouraging bicycle usage as a healthy and reliable transportation alternative with significant recreational potential. Key bicycle planning considerations include:

1. Bicyclists need streets and paths to ride on where they feel safe and visible.
2. Bikeway types are planned according to rights-of-way, traffic volumes, destination points and other factors.
3. A comprehensive network will contain closely spaced parallel routes and connections to accommodate trips of all lengths.
4. Consider different levels of riders when planning routes and network features: riders may be beginners, intermediate or advanced riders, each with varying comfort levels and needs.
5. Bicyclists need secure parking at their destinations. Commuters often need longer term parking such lockers. Neighborhood travels may find simple bike racks sufficient.
6. Access to transit should be encouraged wherever practical to take advantage of RTA's extensive use of bike racks on buses.
7. Large employers can foster bicycling by commuters by providing showers, clothing lockers and a place to change clothes at work.

8. Bicycle education should be actively promoted through K-12 schools, community centers and other public outlets.

### 5.2.4 BIKEWAY DEFINITIONS

Bikeway planning and design typically conforms to standards developed and endorsed by the California Department of Transportation (Caltrans) and the American Association of State Highway and Transportation Officials (AASHTO). Specific design recommendations and planning concepts have been developed to provide a level of consistency while encouraging local needs. Bicycle facilities are generally categorized in three separate classes with distinct objectives and characteristics.

Class I Bike Trails: Provides for bicycle travel on a paved or graded path outside of a road right of way. Bike trails may be shared with other uses, such as pedestrians on a multi-use trail. Class I bike trails are typically 8-12 feet in width to accommodate bi-directional travel.

Class II Bike Lanes: Provides a striped lane within the road right of way for one-way bicycle travel. Bike lanes may be shared with NEVs and/or golf carts under certain circumstances. Bike lanes are typically 5-8 feet in width adjacent to the curb lane. On-street parking with Class II bike lanes will require safety considerations.

Class III Bike Routes: Bike routes are signed but not striped for bicycle use. Bike routes are generally planned on low volume, low speed, local and collector streets where vehicular conflicts are minimal.

### 5.2.5 SUBREGIONAL CONTEXT

The County of Riverside's Riverside County Integrated Plan (RCIP), adopted in 2003, included a conceptual Trails and Bikeway System for the Sun City/Menifee Valley Area Plan. Much of this area was later incorporated into the City of Menifee. The conceptual system combined regional and community trails with potential Class I bike Trails. Looking forward, the proposed Menifee Bikeway and Community Pedestrian Network (Exhibit 5-6) now focuses on specific community needs and sets the stage for a comprehensive and effect system which supports pedestrian and bicycle travel.

The Western Riverside Council of Governments (WRCOG) adopted a Non-Motorized Transportation Plan (NMTP) in 2010. The NMTP includes a system of regional routes through western Riverside County, including the City of Menifee. Although the NMTP is non-binding to participating agencies, the plan consolidated adopted bike plans where available and created a recommended system of supporting routes to connect systems to each other and serve as regional non-motorized transportation backbone. The NMTP included four routes that directly serve Menifee and connect to neighboring jurisdictions. These regionally significant routes were identified in the NMTP as follows:

- Route 15: Future Class I bike path along Salt Creek with an eastern connection to Hemet and a western connection to Lake Elsinore
- Route 19: Future Class II bike lane along Scott Road/Bundy Canyon connecting to Mission Trail in Lake Elsinore and Washington Street in French Valley
- Route 23: Future Class II bike lane along Bradley Road/Holland Road/Haun Road with a northern terminus at Salt Creek in Menifee and connecting to Murrieta at Keller/Antelope
- Route 24: Future Class II bike lane along Mathews road connecting to Perris at Case Road and County of Riverside at Leon Road

The proposed Menifee Bikeway and Community Pedestrian Network (Exhibit 5-6) incorporates and refines these subregional bicycle and pedestrian trails from the NMTP.

## 5.3 POTENTIAL TRANSIT NETWORK

The network of potential transit services shown on Exhibit 5-7 works in conjunction with the proposed Menifee General Plan Roadway Network and the proposed Menifee Bikeway and Community Pedestrian Network to provide a framework for key routes and facilities that will further enhance connectivity for all users.

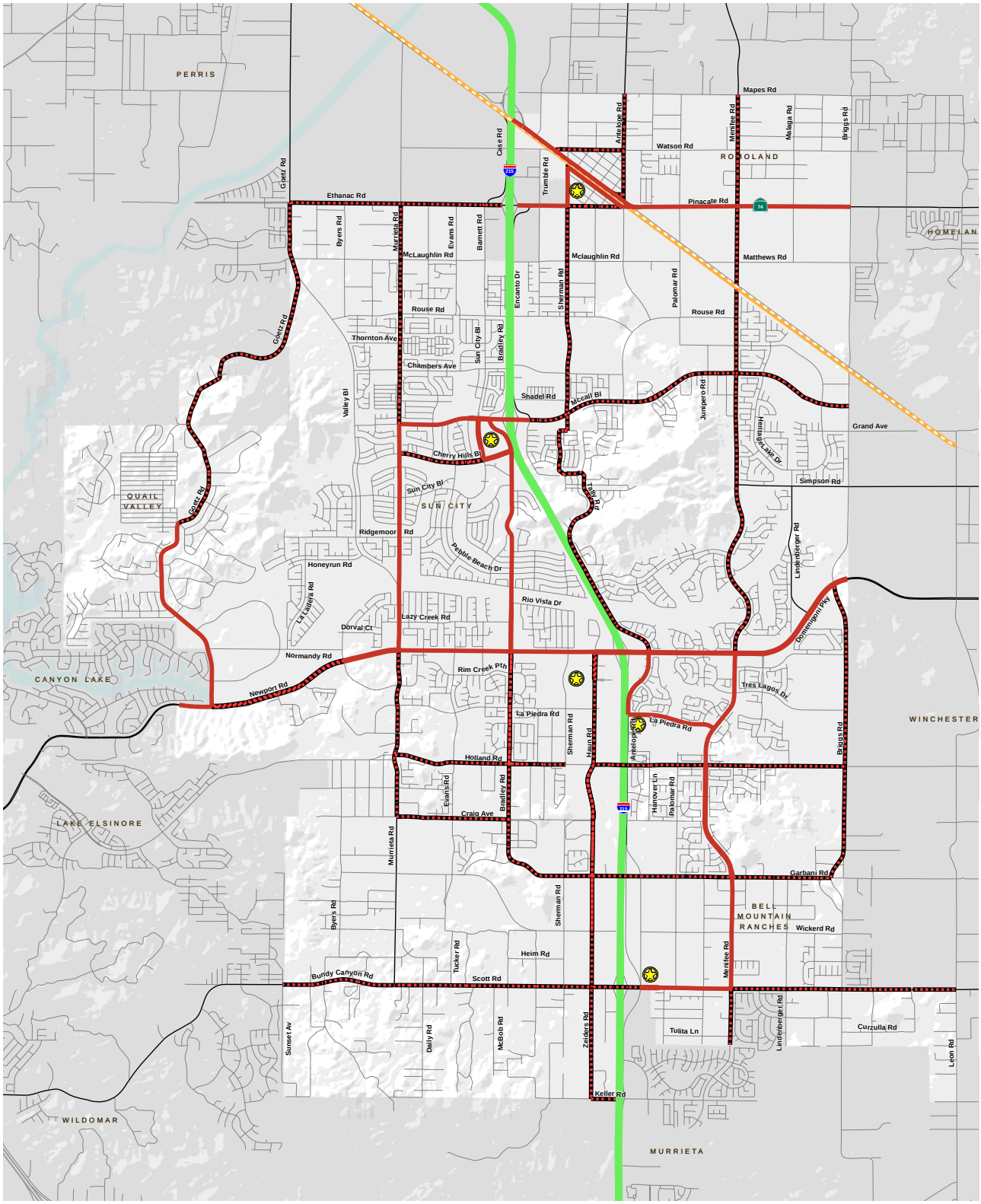
The Riverside Transit Agency (RTA) provides fixed route and Dial-A-Ride bus service within the City of Menifee and neighboring jurisdictions. Fixed route service represents established routes that follow fixed timetables. RTA currently provides six fixed routes that operate within and through the City of Menifee serving residential, business and educational institutions. RTA reviews and updates fixed route bus service three times annually and makes adjustments to the system as needed to address ridership, budgetary and other factors. Dial-A-Ride service is a demand response shuttle-type service that complements the fixed route system by providing accessible transit to address Americans with Disabilities Act (ADA) mandates. Dial-A Ride is also available to seniors for travel within the city. Dial-A-Ride shuttles operate within three-quarters of a mile of any RTA fixed route service.

Bus stops are generally placed by RTA on public rights of way. These stops may include signage only, bus bench, shelter or other amenities. Maintenance of bus stops is provided either by RTA or by the City according to an agreement. Ideally, bus stops should be ADA accessible but may have limited access in rural areas or confined locations.

Transit ridership in some communities is high enough to warrant a transit node or center. Transit centers often host multiple routes that overlap or converge for efficient transfers from one bus to another. Transit Centers may be stand alone or located within large shopping centers, college campuses or other transit-dense location. As the City of Menifee grows, a transit center may be considered to facilitate commuter express bus service, fixed route bus service, future connections to Perris Valley Metrolink stations and carpools. The location of a transit node or center is determined by ridership demand, design elements (such as parking garage or surface parking needs and bus bays),

Exhibit 5-7

# Potential Menifee Transit Services




Exisitng On-Road Transit Service (RTA)

Potential Future On-Road Transit Service

Potential Future Rail Service

Express Bus Service

Transit Node

MENIFEE GENERAL PLAN

URBAN CROSSROADS

20130705BusRoutes 7/5/2013 0 0.5 1 Mile

and coordination with other modes of travel. Five potential transit node locations within the City of Menifee are shown on Exhibit 5-7. These five transit node locations represent key locations that may benefit from transit services. The node locations include Sun City core, Mount San Jacinto College and key centers of commercial retail activity.

### 5.3.1 LOCALLY OPERATED SERVICE

Several cities through Riverside County have elected to provide local shuttle or Dial-A-Ride service to better serve the local community. Cities that have their own system, as a compliment to RTA, include Corona, Banning and Beaumont. Funding is available through select grant programs administered through Riverside County Transportation Commission (RCTC), state or federal agencies. Menifee may review the level of service received through RTA from time to time to see if a locally operated system is efficient and cost effective particularly for senior services.

### 5.3.2 SPECIALIZED FIXED ROUTE TRANSIT TYPES

To serve the travel needs of a community, there are a variety of specialized transit opportunities that might be considered. These types of uses may include the following:

Bus Rapid Transit (BRT): Traditional fixed route buses travel along a major roadway with closely spaced bus stops which are typically located at each major intersection. BRT service differs from other fixed service in that it uses fewer stops with greater spacing to permit faster point-to-point travel. BRT routes may also use higher capacity bus stops, special travel lanes, traffic signal priority and/or unique vehicles. The I-215 corridor through Menifee has been evaluated as a potential BRT route. BRT works best when connecting multiple communities with high transit usage and a need to move people quickly and efficiently.

Commuter Bus: RTA provides several commuter-based fixed route buses throughout the system. There are currently two routes that directly serve Menifee commuters. These buses provide “express” service that uses the I-215 for portions of the route. RTA CommuterLink Route 208 connects Temecula to downtown Riverside with a stop near McCall Boulevard/Bradley Road. RTA CommuterLink Route 212 connects Hemet to downtown Riverside via SR-74 and I-215 but the nearest stop is at the Perris Station Transit Center.

Metrolink: Commuter rail is provided in several counties in southern California by Metrolink. Metrolink provides service to Riverside County through several rail lines travelling to Los Angeles, Orange, San Bernardino and San Diego counties. Riverside County Transportation Commission (RCTC), in partnership with Metrolink, is responsible for rail planning and funding within Riverside County. RCTC is currently planning an extension of existing rail service from Riverside/San Bernardino along the I-215 and terminating in the City of Perris. The Perris Valley line will provide commuter rail service to Menifee at a Metrolink station planned at Case Road west of I-215. Future service could be extended

into Hemet/San Jacinto if ridership demand and other important considerations are met. In addition, the City of Menifee has expressed a desire to add a Metrolink station to serve the community.

According to the Year 2000 Post-Census Regional Travel Survey, Final Report of Survey Results (Southern California Association of Governments, Fall, 2003), for existing conditions in Riverside County, 0.4% of trips are served by transit. For the entire SCAG region, transit accommodates approximately 1.8% of person trips. As transit service is expanded, the proportion of trips served by transit (i.e. the transit mode share) is expected to increase.

## 5.4 NEIGHBORHOOD ELECTRIC VEHICLES/GOLF CARTS

In 1999, Riverside County adopted a Golf Cart Plan that enables residents in the Sun City community to use golf carts on certain public streets. Golf carts provide a reliable, environmentally friendly way to travel within a defined network to shop, visit and explore. Neighborhood electric vehicles (NEVs) are a relatively recent mode choice within the low speed vehicle (LSV) family that is gaining attention and expanding travel choices.

### 5.4.1 NEV/GOLF CART PLAN FEATURES

NEVs and golf carts have similar characteristics but also contain important differences. NEVs may operate on any roadway with a posted speed limit of 35 miles per hour (MPH) or less unless specifically prohibited by an adopted NEV plan. NEVs are permitted to operate in separate lanes on roads with posted speed limits of 40 MPH or greater when included in an approved NEV Plan. Golf carts are restricted to private property, golf courses or with one mile of a golf course if the street is identified in an approved Golf Cart Plan such as the Sun City Golf Cart Plan. The proposed Menifee neighborhood electric vehicle network expands the original Sun City golf cart plan and identifies areas throughout the City of Menifee that will accommodate the use of NEV's/golf carts. Licensing, vehicle registration, safety equipment and operational capabilities also differ with NEVs as the more closely regulated vehicle type. These vehicles are subject to established Department of Motor Vehicles laws and regulations.

In 2010, WRCOG adopted the 4-City Neighborhood Electric Vehicle Plan. This first-of-its-kind study identified network features and connections for NEV operations within and between the Cities of Corona, Moreno Valley, Norco and Riverside. The non-binding study garnered significant enthusiasm for other jurisdictions which led to passage of Assembly Bill 61 or AB 61 (Jeffries). AB 61 took the necessary step of gaining legislative approval for all jurisdictions in Riverside County to plan, adopt and implement an NEV Plan in any supportive community. The City is permitted to use the approved legislation to adopt and implement an NEV plan. This presents a unique opportunity for the City of Menifee, since Assembly Bill 61 provides the framework for adopting and implementing an NEV plan. An important feature of NEV Plans is to identify not only low speed routes where NEVs are legally permitted to operate, but also roadways that have higher speed limits and separate NEV lanes. NEV

lanes are similar those used for bikeway classification as Class II bike lanes and, where appropriate, may overlap and certain segments of the bikeway network. This approach has been used successfully in the City of Lincoln north of Sacramento with great success and is the basis for the WRCOG 4-City Neighborhood Electric Vehicle Plan recommended backbone network.

### 5.4.2 POTENTIAL NEV/GOLF CART PLAN

The network of potential NEV routes shown on Exhibit 5-8 works in conjunction with the proposed Menifee General Plan Roadway Network and the proposed Menifee Bikeway and Community Pedestrian Network to provide a framework for low speed vehicle usage. The concept plan depicts the existing Golf cart plan roadways as well as potential NEV routes as either Class I routes (off-street), Class II striped lanes (on-street shared lanes with bikes), and Class III preferred local routes (on-street, signed only). NEVs may be legally operated on any local street with a posted speed limit of 35 MPH of less unless specifically prohibited by local ordinance.

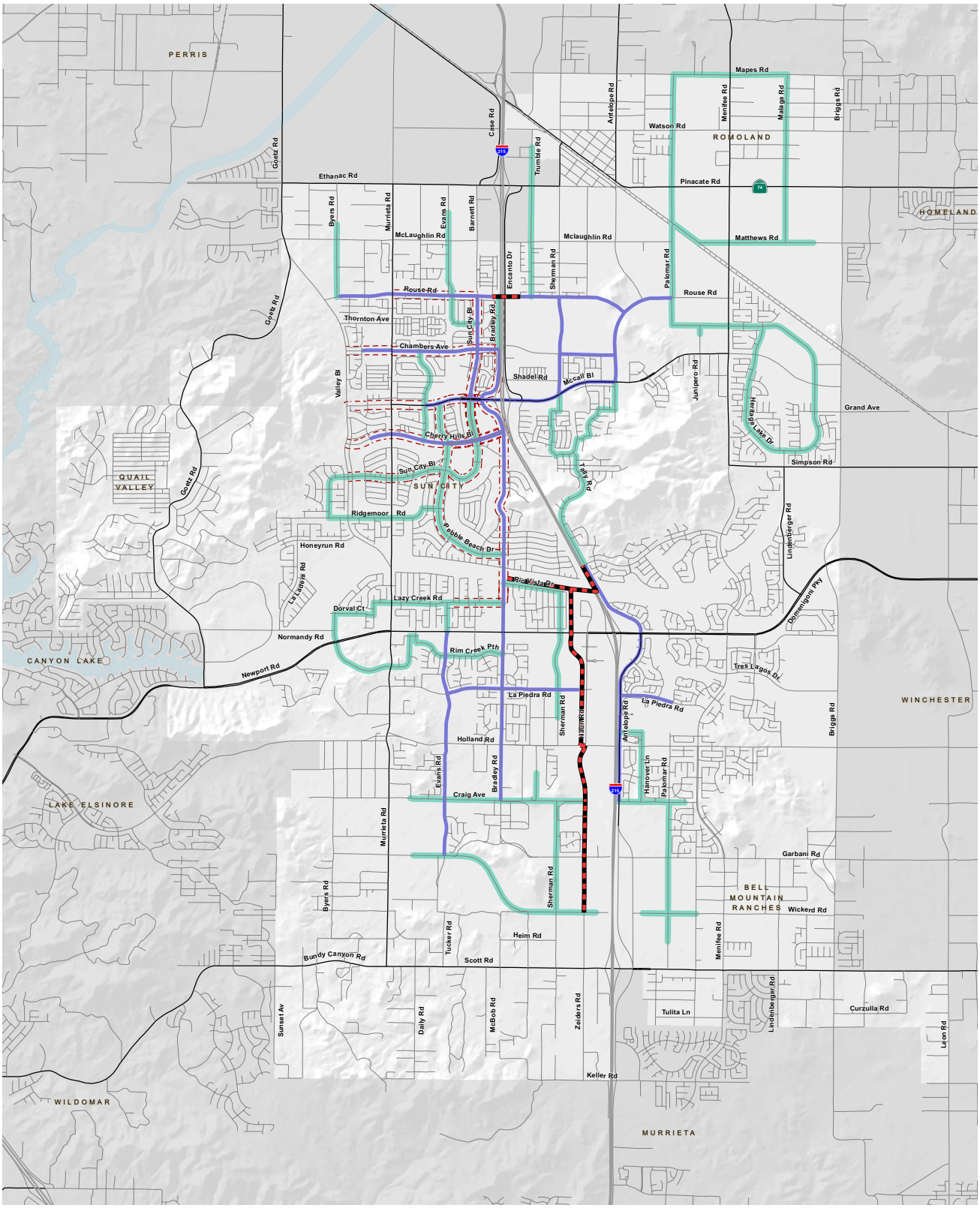
The conceptual plan was developed with the following guiding considerations:

- Identify routes with the highest potential for use and where vehicle interaction can be coordinated
- Select backbone facilities with that have relatively low traffic (acceptable levels of service) with emphasis on Major and Secondary arterials
- Avoid high traffic interchanges where potential vehicular conflicts (turning movements) pose a significant safety concern
- Provide connections to schools (pre-school through college), shopping, activity center, and residential neighborhoods
- Recognize that NEVs/golf carts are an alternative transportation choice with potential for reducing vehicular trips and related emissions for a limited population
- Maximize existing and planned alternative mode transportation investment wherever possible by enable use of special lanes and trails where they make sense

Neighborhood electric vehicles (NEVs) are a street legal, low cost, energy efficient, zero emissions mode of local travel that is currently available – but current impediments to widespread usage include the following: (1) lack of interconnected low speed routes, and (2) driver confusion regarding where these vehicles can safely be operated. These problems can be addressed in Menifee by the implementation of an integrated local NEV plan which overcomes connection issues, identifies safe routes, and enable clear communication about where residents can go in low speed vehicles.

The unintended consequence of providing a high level of mobility on our roadways includes high-speed auto-oriented patterns that sometimes inhibit the operation of low speed vehicles and other modes. Drivers are gradually becoming aware of the official low speed vehicle classification, commonly described as NEVs, which are already approved at federal and state levels for use on public streets.

# Exhibit 5-8
# Potential Menifee Neighborhood Electric Vehicle Network




NEV/Bike Lanes (Class II Routes)

Shared Use Roadway (Potentially Signed, Class III Routes, on Two-Lane Roadways with Speed Limits of 35 MPH or Less; NEV/Bike Lanes on Roadways with Speed Limits Greater than 35 MPH)

Adopted Sun City Golf Cart Plan

Off-Road Golf Cart/NEV/Bike Trail (Class I)

With their emphasis on short trips and speed capabilities capped at 25mph, NEVs are generally restricted to streets with posted speed limits of 35mph or less. Drivers need to know where they can safely operate NEVs in Menifee – until they do, confusion regarding NEVs will exacerbate conflicts with auto drivers and bicyclists, and the appropriate use of low speed vehicles by both businesses and residents will be restrained.

### 5.4.3 ACCOMMODATING A LOW SPEED TRAVEL CULTURE IN MENIFEE

Accommodating low speed zero emission vehicles is a potent strategy to reduce greenhouse gas (GHG) emissions while encouraging a healthier level of community interaction. Although some level of NEV ownership and operation will occur regardless of the city's attention to the matter, Menifee can proactively address conflicting mode issues and encourage safe NEV operations by identifying the suitable NEV backbone routes, implementing street signage and striping of lanes for appropriate operation of low speed vehicles, providing parking incentives and low cost charging stations, and promoting the NEV plan to the public – activities that are essential to acceptance and use of NEVs by residents and businesses.

To accommodate the NEV users, special parking areas can be provided in local grocery and commercial shopping centers. There has been an increase in NEV usage by the general public for transporting kids to school, shopping, and other neighborhood trips. NEV accommodations make available an economic mode of transportation for those who cannot walk or ride a bicycle long distances, as well as for those who do not wish to operate a heavier high speed car for short local trips.

The modern NEV can travel 30 miles between charges. They plug into any 110V outlet, in a garage, or at an outlet at a neighborhood commercial center. Any NEV parking site that would have NEVs parked for several hours would likely benefit from available charging infrastructure. Visitors driving their NEV to a neighbor's house for an afternoon party would enjoy having an external electric outlet to charge from as well.

There are also opportunities to utilize solar photovoltaic-integrated parking shade structures or home systems to charge NEVs. Structures could be located at destinations where NEVs park during the day (opportunity charging), increasing the vehicle's range and yet not impacting daytime peak loads on the grid. The solar parking shade structure may also be considered at key destinations throughout the community to encourage the use of low speed travel using a NEV.

### 5.4.4 NEVS, TRANSIT AND BIKES – STRATEGIES FOR SAFE OPERATIONS

The mix of NEVs with autos and buses and bikes and pedestrians raises safety concerns that must be addressed. Cities do not expect a bicycle or bus to meet the same safety standards as a passenger car. A NEV should therefore be held to the standards defined by its class.

In terms of vehicle class, the NEV has an exemplary safety record. Although thousands of NEVs have been operating on public roads for the past ten years, there is no evidence in either the U.S. or Canada that NEVs have been involved in a disproportional share of roadway accidents. Nor is there evidence that NEV injuries or fatalities have been unusual.

The admirable NEV safety record can be attributed to low operating speeds (such things as better driver control at lower speeds, and shorter braking distances), reduced trip lengths (general use of NEVs within neighborhoods / communities) and awareness of ambient conditions (drivers of NEVs are generally aware of their operating limitations and drive them appropriately). The NEV also provides an increase in occupant protection when compared to other low speed transportation options in the marketplace such as bicycles and motor scooters.

NEVs are a desirable part of the urban fabric. When NEVs are combined with car sharing options at transit stations, the transit services become more convenient. Because NEVs generally share the same road space as other motorized vehicles, bicyclists benefit from their clean and lower speed operation. There will always be situations on our streets where cars, trucks, bikes, motorcycles, NEVs and pedestrians must cross the same space. Because motorized vehicles are generally becoming quieter in their designs, visual caution is necessary by all users of streets, drivers must be vigilant for the needs of visually impaired pedestrians, and all aspects of our transportation networks need to be professionally evaluated in terms of vehicle operations and pedestrian safety.

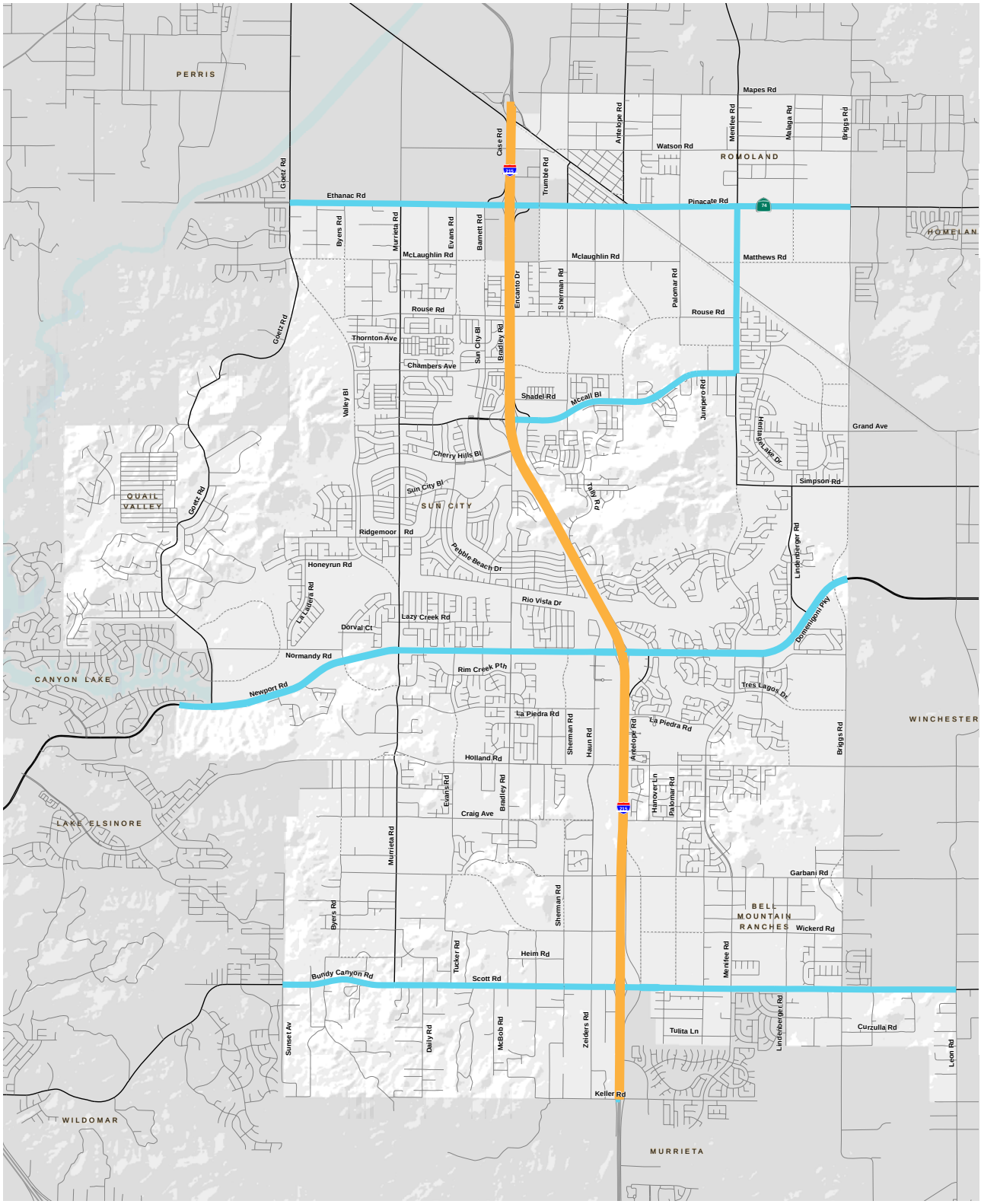
## 5.5 TRUCK ROUTES

The County of Riverside has identified only two regional truck routes within the City of Menifee, the I-215 and SR-74. The network of potential truck routes shown on Exhibit 5-9 works in conjunction with the proposed Menifee General Plan Roadway Network to provide a framework for truck routes that serve key commercial areas.

The truck routing issue involves several components. First, truck drivers do not always have good information about the approved truck routes or the truck restricted routes. In some cases, truck routes are not consistent from one jurisdiction to another, leading to driver confusion. Some routes are also not well signed. Truck drivers often use internet sourced maps to determine routing, which may be misleading because not all “major” routes on map sources actually allow trucks. Some may in fact be truck restricted but there is no easy way for the drivers to know this information. Finally, in some cases all of these factors lead trucks to use a route that should not be used due to adjacent sensitive land uses such as residential or schools, or they use routes that are not adequate for heavy vehicle activity due to physical design features such as horizontal and vertical curves, or pavement condition.

To support the demand for truck activities five additional truck routes have been identified for the City of Menifee. Based on a review of the existing and proposed land uses that support heavy trucks, the following truck routes are identified on Exhibit 5-9:

# Exhibit 5-9
# Potential Menifee Truck Routes




Truck Route

I-215 Freeway Corridor

The designated truck routes within the City have been selected because of their accessibility to the freeway and key industrial/commercial areas. The designation of truck routes does not prevent trucks from using other roads or streets to make deliveries to individual addresses, or for other reasons as defined in the State of California *Motor Vehicle Code.*

MENIFEE GENERAL PLAN

URBAN CROSSROADS

20130705TruckRoutes 7/5/2013 0 0.5 1 Mile

1. Menifee Road from State Route 74 (Pinacate Road) to McCall Boulevard
2. McCall Boulevard from I-215 to Menifee Road
3. Newport Road
4. Bundy Canyon Road/Scott Road

The City of Menifee will follow the procedures specified in the California Vehicle Code in order to establish additional truck routes within the City.

## 5.6 AIR TRAVEL

The Ontario International Airport is about 44 miles to the northwest. Passenger service is also available at the Palm Springs International Airport and Riverside Municipal Airport. Four smaller airports also operate in the Menifee area. French Valley Airport is a county-owned public-use airport off Highway 79 in Murrieta. French Valley Airport has one asphalt-paved runway. The county-owned Hemet-Ryan Airport off Stetson Avenue in Hemet has a 4,300-foot runway and also has general aviation facilities. Skylark Field Airport in Lake Elsinore is a private airport with three runways and is used for general aviation and skydiving activities. Perris Valley Airport is a privately owned and operated airport open to public use. The airport has one runway and is used for general aviation and extensive skydiving. A skydiving drop zone operates at the airport, and skydivers land about 50 feet from the runway. As identified in the Riverside County Airport Land Use Plan, the northwestern portion of Menifee lies in the Compatibility Zone E of the Perris Valley Airport and is subject to land use restriction standards.

March Air Reserve Base in unincorporated Riverside County area, north of Perris and west of Moreno Valley, has take-off and landing flight patterns that go over the northwest portion of Menifee. Certain properties in the northern portion of the City of Menifee are within the Air Influence Area and are subject to land use restrictions established in the Comprehensive Land Use Plan for the March Air Reserve Base.

## 5.7 SCENIC HIGHWAYS

The County of Riverside has identified four County Eligible Scenic Highways in the Sun City/Menifee Valley area: Interstate 215 from McCall Boulevard to the southerly Plan boundary; McCall Boulevard from Interstate 215 on the west to Menifee Road on the east; Menifee Road from McCall Boulevard to the northerly Plan boundary, and State Route 74 from Interstate 215 to the easterly Plan boundary. Scenic Highways provide the motorist with views of distinctive natural characteristics that are not typical of other areas in the City. The intent of these designations is to conserve significant scenic resources along scenic highways for future generations, and to manage development along scenic highways and corridors so that it will not detract from the area's natural characteristics.

# 6.0 MENIFEE TRAFFIC MODEL

The section describes the development and application of the Menifee Traffic Model that is used to estimate interim Year 2035 conditions, future Post-2035 traffic conditions and VMT.

## 6.1 RIVERSIDE TRANSPORTATION ANALYSIS MODEL (RIVTAM)

The County of Riverside released the Riverside County Transportation Analysis Model (RivTAM) in 2010, which has since been updated for analysis of the proposed City of Menifee General Plan. The City of Menifee refined version of RivTAM has been developed to evaluate the trip-making characteristics and resulting travel patterns of the Menifee General Plan. In order to accomplish this, the land uses in the City of Menifee were translated into socio-economic data, the roadway network was updated, and the model processes were performed. The resulting forecasts were evaluated to determine the appropriate circulation system features to support the General Plan Circulation Element Traffic Study.

RivTAM is a focused traffic model that is consistent with the SCAG Regional Model and includes the entire southern California region (Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties). It includes the greatest level of detail within the primary analysis or study area, with the least detail included in those parts of the model which are geographically distant from the primary study area.

In addition to the trip generation, trip distribution, time of day factoring, and traffic assignment steps, RivTAM also includes a mode choice component, explicitly calculating mode share for transit and non-motorized travel components. The model also incorporates “feedback loops” that are intended to increase the sensitivity of the model to changes in travel supply and demand in reaching equilibrium / convergence between supply and demand.

## 6.2 TRAFFIC ANALYSIS ZONE STRUCTURE AND NETWORK

Based on a review of the proposed City of Menifee General Plan land use, and topography several Traffic Analysis Zone splits were made to improve the model results. In addition to the proposed Menifee Model network splits, several changes were made to the centroid connectors to better represent the loading of traffic on network.

Many highway network coding changes were necessary to create the City of Menifee refined Version of RivTAM. To develop the City of Menifee traffic model, each individual RivTAM roadway link was reviewed for consistency and network connectivity. Based on this review, the following changes were made to the network:

- Watson Road had direct access to the freeway north of the Ethanac/I-215 Interchange. This network coding error was corrected.

- Cherry Hills Boulevard was reclassified as Secondary roadway.
- The erroneous extension of Grand Avenue south of McCall Boulevard at Menifee Road was corrected.
- Bradley Road at Craig Avenue was coded in the network as an overcrossing - this has been corrected to reflect an at-grade intersection.
- The southbound I-215 ramps were connected to Keller Road

### 6.3 SOCIO-ECONOMIC DATA INPUTS

The model socio-economic datasets for representation of long range future conditions were obtained from the project team and input to the RivTAM Post-2035 scenarios. The data is derived from the proposed Menifee General Plan Land Use Element for future city buildout conditions. The buildout data reflects occupancy of the land uses ultimately envisioned for the City of Menifee at this time and does not correspond to a specific horizon year (unlike the approach taken in the Regional Transportation Plan). Therefore, the General Plan buildout data is not directly comparable to the RivTAM 2035 data, which is derived from the Regional Transportation Plan dataset.

# 7.0 FUTURE TRAFFIC CONDITIONS

This section provides a summary of the three future traffic analysis conditions including one interim year scenario (RCIP 2035), and two separate buildout (Post-2035) scenarios. The RCIP 2035 scenario includes nominal growth in City of Menifee employment in comparison to existing conditions, and a population growth of approximately 30 percent. The Post-2035 scenarios account for full occupancy of residential and non-residential land uses included in the proposed General Plan Land Use Element.

Buildout of the proposed land use plan is projected to accommodate approximately 63,754 dwelling units and 158,948 people (approximately 80% increase in population over existing conditions). The buildout scenarios potentially increase employment by more than 80,000 jobs (a fivefold increase over existing conditions) and greatly improves the jobs/housing balance within the City.

All future traffic volume forecasts have been developed from the traffic model using accepted procedures for model forecast refinement and smoothing. The traffic forecasts reflect the area-wide growth anticipated between existing conditions and future year conditions. In addition, all of the average daily traffic volume forecasts and the future turning movement estimates have been reviewed for reasonableness and ensure a minimum growth of ten (10) percent.

## 7.1 RCIP 2035 TRAFFIC FORECASTS

The interim year RCIP 2035 traffic forecasts reflect the currently adopted County of Riverside's General Plan Circulation Element that was adopted in 2003 through the Riverside County Integrated Project (RCIP). The RivTAM model reflects the RCIP 2035 conditions and roadway network classifications shown on Exhibit 3-1. The refined model forecast calculations for RCIP 2035 conditions are included in Appendix 7.1. Exhibit 7-1 presents the Average Daily Traffic Volumes expected for interim year RCIP 2035 conditions. Exhibits 7-2 and 7-3 provide the interim year RCIP 2035 AM and PM peak hour intersection turning movement volumes.

Future year roadway segment capacities and intersection lane configurations have been based upon the General Plan buildout roadway cross-sections. Locations requiring additional turn lanes (i.e., dual left turn lanes and / or exclusive right turn lanes) may require additional right of way in the immediate vicinity of the intersection. Monitoring/ongoing analysis of arterial level intersections should be conducted in conjunction with specific development projects to ensure that adequate intersection configurations are implemented in a phased manner in conjunction with ongoing development.

### 7.1.1 ROADWAY SEGMENT ANALYSIS

Table 7-1 provides a summary of the interim year RCIP 2035 conditions roadway segment capacity analysis based on the capacity thresholds identified on Table 2-1. As shown on Table 7-1, only one out of

EXHIBIT 7-1

# RCIP (2035) AVERAGE DAILY TRAFFIC (ADT)

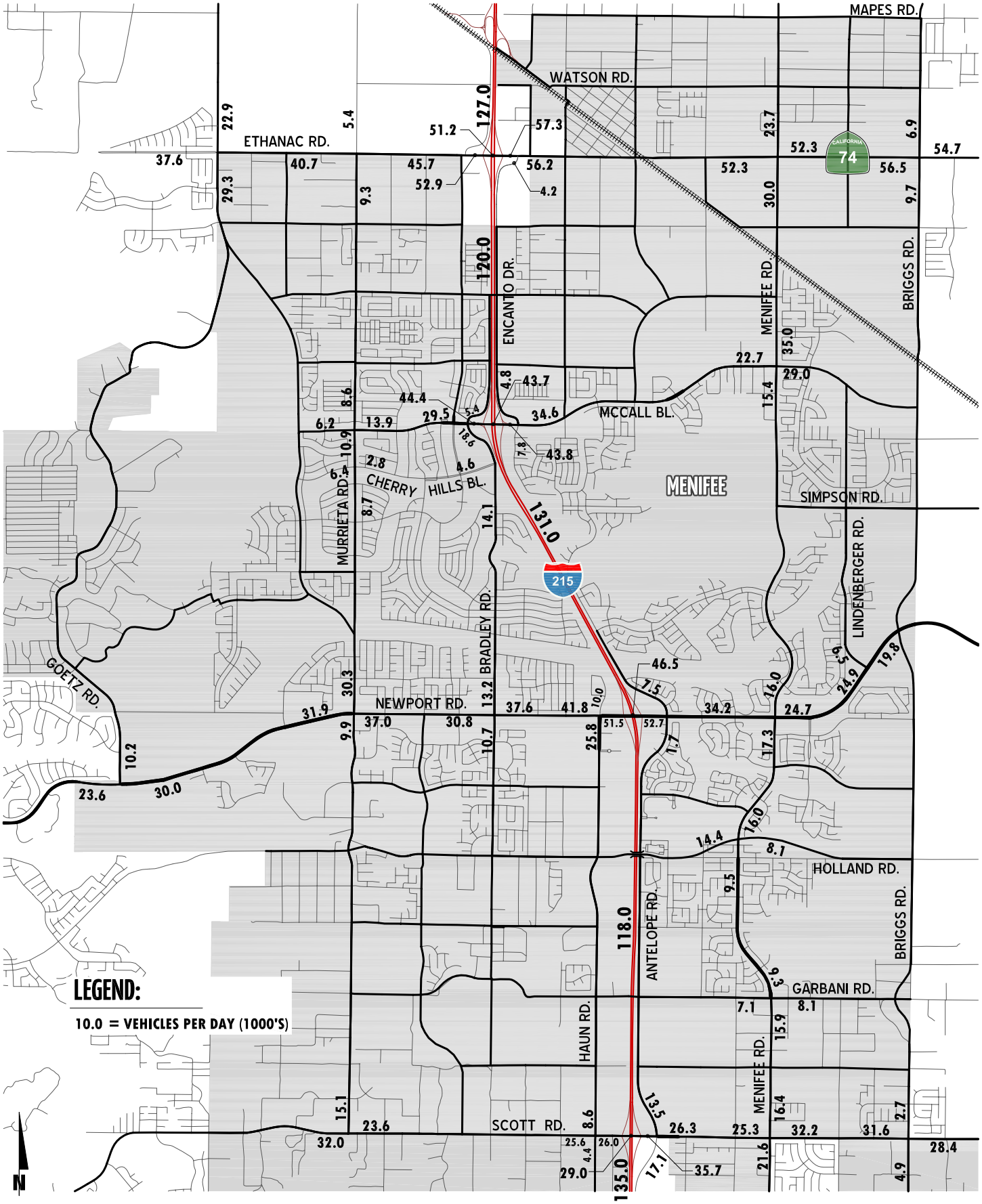
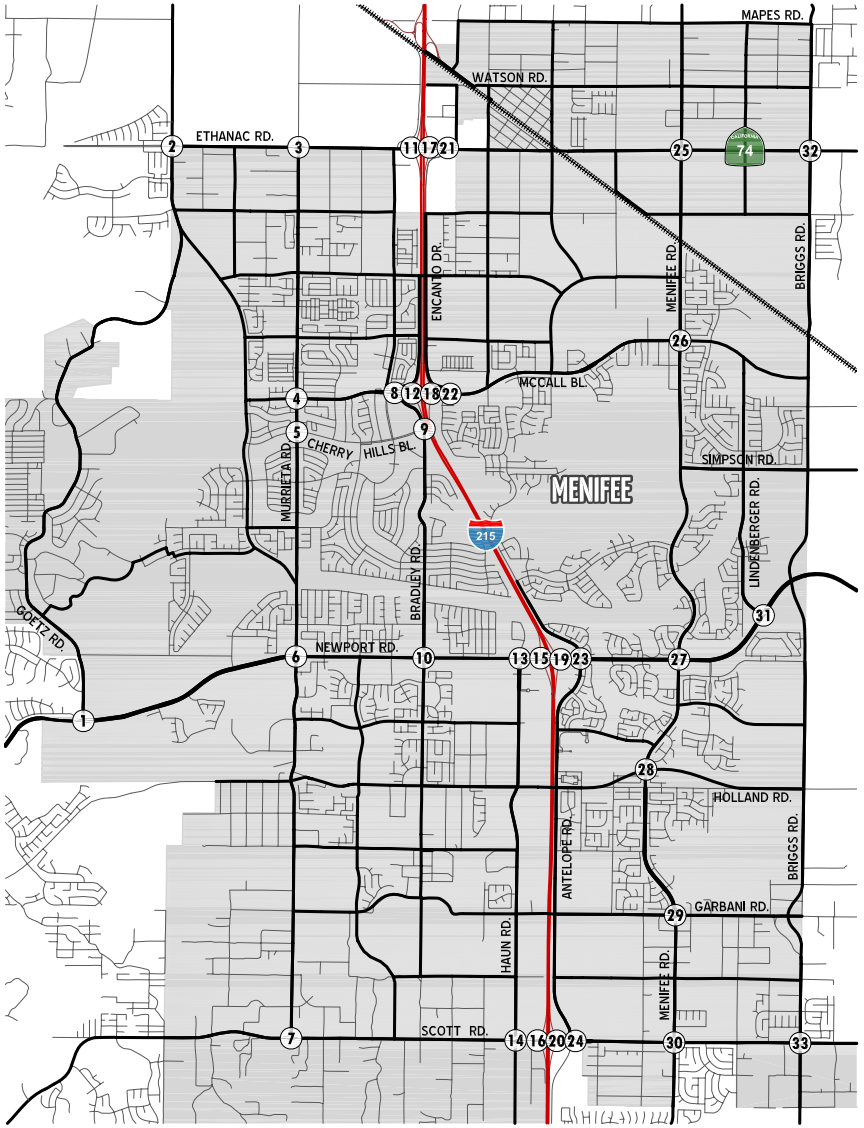


EXHIBIT 7-2

# RCIP (2035)
# AM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 239 | 1 | 432 |
| 144 | 802 | 10 |
| 70 | 678 | 3 |
| 15 | 3 | 25 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 521 | 224 | 239 |
| 188 | 968 | 695 |
| 92 | 663 | 41 |
| 61 | 130 | 498 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 50 | 32 | 57 |
| 95 | 1345 | 167 |
| 3 | 1387 | 43 |
| 108 | 126 | 179 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 86 | 181 | 79 |
| 95 | 170 | 215 |
| 74 | 191 | 5 |
| 4 | 150 | 150 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 178 | 220 | 22 |
| 20 | 40 | 33 |
| 83 | 114 | 173 |
| 16 | 214 | 34 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 350 | 118 | 762 |
| 333 | 703 | 55 |
| 303 | 835 | 31 |
| 32 | 84 | 26 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 508 | 116 | |
| 100 | 779 | |
| 274 | 672 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 15 | 63 | 174 |
| 71 | 753 | 529 |
| 38 | 812 | 69 |
| 45 | 34 | 347 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 48 | 303 | |
| 58 | 62 | |
| 84 | 276 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 93 | 205 | 239 |
| 142 | 730 | 237 |
| 130 | 1067 | 124 |
| 183 | 246 | 355 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 272 | 205 | |
| 257 | 1533 | |
| 1795 | 318 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 206 | 0 | 202 |
| 1147 | 563 | |
| 1046 | 287 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 44 | 41 | 93 |
| 247 | 947 | 342 |
| 104 | 1375 | 161 |
| 107 | 36 | 276 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 125 | 40 | 403 |
| 267 | 687 | 24 |
| 75 | 697 | 96 |
| 118 | 156 | 9 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 320 | 415 | |
| 646 | 1216 | |
| 1240 | 504 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 148 | 282 | |
| 464 | 715 | |
| 521 | 488 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 161 | 1402 | |
| 1758 | 242 | |
| 388 | 511 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 192 | 1498 | |
| 256 | 992 | |
| 212 | 2 | 345 |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 404 | 1561 | |
| 1244 | 411 | |
| 301 | 396 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 248 | | |
| 354 | 931 | |
| 110 | 693 | |
| 2 | 532 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 1515 | 122 | |
| 2217 | 52 | |
| 48 | 77 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 105 | 9 | 57 |
| 44 | 1376 | 15 |
| 89 | 1148 | 100 |
| 209 | 12 | 25 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 160 | 70 | 112 |
| 88 | 1401 | 129 |
| 83 | 809 | 748 |
| 404 | 45 | 119 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 284 | 295 | 158 |
| 49 | 645 | 125 |
| 132 | 789 | 304 |
| 356 | 125 | 103 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 149 | 554 | 318 |
| 196 | 1359 | 370 |
| 254 | 1391 | 336 |
| 452 | 609 | 681 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 397 | 475 | 518 |
| 854 | 613 | 11 |
| 544 | 618 | 120 |
| 142 | 392 | 24 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 509 | 299 | 123 |
| 151 | 816 | 246 |
| 415 | 510 | 105 |
| 136 | 205 | 164 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 275 | 291 | 85 |
| 97 | 313 | 150 |
| 138 | 168 | 24 |
| 59 | 219 | 152 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 68 | 335 | 10 |
| 8 | 97 | 81 |
| 13 | 104 | 286 |
| 255 | 265 | 213 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 98 | 305 | 232 |
| 289 | 513 | 309 |
| 79 | 739 | 85 |
| 222 | 381 | 570 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 215 | 34 | |
| 13 | 766 | |
| 149 | 583 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 88 | 128 | 258 |
| 146 | 1404 | 208 |
| 195 | 1404 | 695 |
| 399 | 132 | 168 |

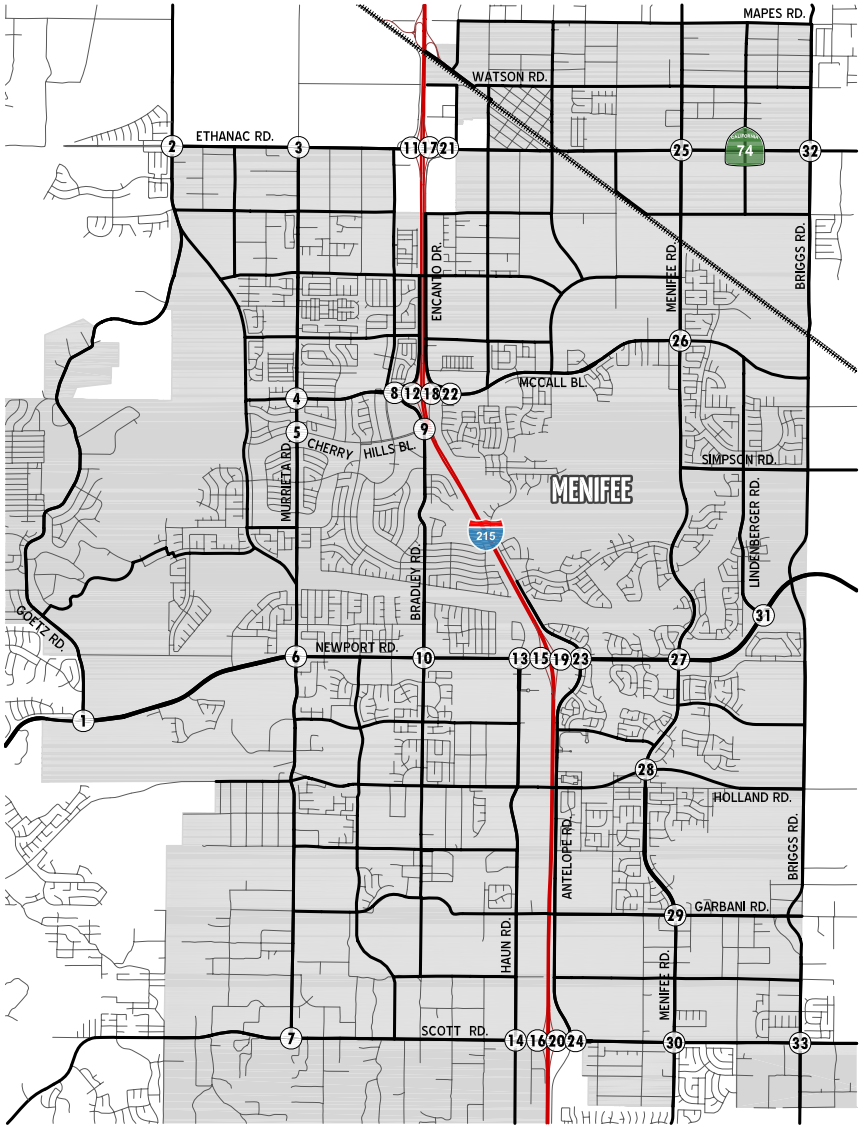
**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 54 | 5 | 6 |
| 1 | 896 | 2 |
| 12 | 1482 | 84 |
| 51 | 1 | 2 |

N

EXHIBIT 7-3

# RCIP (2035)
# PM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 146 | 3 | 263 |
| 329 | 1216 | 9 |
| 9 | 2 | 17 |
| 437 | 819 | 34 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 88 | 208 | 279 |
| 91 | 662 | 69 |
| 17 | 109 | 586 |
| 285 | 734 | 707 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 4 | 78 | 72 |
| 13 | 1664 | 81 |
| 72 | 133 | 204 |
| 65 | 1664 | 242 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 44 | 182 | 139 |
| 26 | 156 | 8 |
| 1 | 194 | 235 |
| 145 | 146 | 229 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 139 | 277 | 19 |
| 156 | 96 | 43 |
| 100 | 270 | 49 |
| 13 | 131 | 56 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 388 | 143 | 581 |
| 534 | 803 | 35 |
| 96 | 160 | 56 |
| 636 | 946 | 52 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 414 | 121 | |
| 668 | 989 | |
| | | |
| 102 | 1006 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 24 | 41 | 154 |
| 68 | 1123 | 58 |
| 77 | 70 | 658 |
| 102 | 1174 | 480 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 69 | 320 | |
| 87 | 73 | |
| 132 | 498 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 83 | 152 | 255 |
| 123 | 913 | 79 |
| 117 | 151 | 142 |
| 338 | 1230 | 188 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 268 | 118 | |
| 1752 | 452 | |
| | | |
| 229 | 1893 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 375 | 2 | 307 |
| 1452 | 483 | |
| | | |
| 1381 | 489 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 117 | 90 | 260 |
| 87 | 1012 | 330 |
| 363 | 63 | 530 |
| 157 | 1427 | 582 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 146 | 41 | 281 |
| 168 | 874 | 142 |
| 72 | 36 | 14 |
| 371 | 892 | 67 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 644 | 512 | |
| 1367 | 435 | |
| | | |
| 359 | 1522 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 199 | 405 | |
| 708 | 288 | |
| | | |
| 435 | 996 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 1466 | 404 | |
| 224 | 567 | |
| 482 | 1898 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 264 | 1495 | |
| 346 | 1 | 485 |
| 130 | 1524 | |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 1467 | 412 | |
| 592 | 707 | |
| 359 | 1289 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 477 | | |
| 153 | 960 | |
| 0 | 578 | |
| 356 | 954 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 1941 | 92 | |
| 141 | 99 | |
| 2239 | 51 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 95 | 16 | 26 |
| 182 | 1486 | 312 |
| 182 | 20 | 37 |
| 48 | 1377 | 47 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 122 | 65 | 19 |
| 244 | 1200 | 730 |
| 614 | 102 | 209 |
| 31 | 912 | 130 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 253 | 121 | 94 |
| 291 | 927 | 320 |
| 370 | 298 | 187 |
| 72 | 687 | 138 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 146 | 793 | 181 |
| 202 | 1441 | 353 |
| 246 | 686 | 378 |
| 252 | 1158 | 494 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 260 | 563 | 898 |
| 294 | 673 | 155 |
| 115 | 529 | 29 |
| 756 | 605 | 29 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 404 | 263 | 116 |
| 436 | 885 | 100 |
| 95 | 376 | 315 |
| 94 | 669 | 193 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 177 | 122 | 51 |
| 223 | 329 | 71 |
| 38 | 503 | 20 |
| 114 | 215 | 11 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 33 | 133 | 9 |
| 42 | 38 | 282 |
| 355 | 526 | 36 |
| 19 | 178 | 113 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 68 | 344 | 210 |
| 179 | 747 | 320 |
| 195 | 361 | 564 |
| 404 | 627 | 605 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 155 | 24 | |
| 272 | 846 | |
| | | |
| 32 | 616 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 191 | 64 | 207 |
| 139 | 2030 | 218 |
| 234 | 93 | 73 |
| 77 | 1626 | 58 |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 18 | 1 | 5 |
| 68 | 1199 | 61 |
| 80 | 3 | 1 |
| 3 | 1541 | 2 |

N

**Table 7-1 (1 of 5)**

**RCIP (2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | RCIP Class | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Goetz Road | 1 | North of Ethanac Rd. | 4D | Arterial | 35,900 | 22,900 | 0.64 | Acceptable |
| | 2 | South of Ethanac Rd. | 4D | Arterial | 35,900 | 29,300 | 0.82 | Approaching |
| | 3 | North of Newport Rd. | 4D | Mountain | 37,200 | 10,200 | 0.27 | Acceptable |
| Murrieta Road | 4 | North of Ethanac Rd. | 4U | Secondary | 25,900 | 5,400 | 0.21 | Acceptable |
| | 5 | South of Ethanac Rd. | 4U | Secondary | 25,900 | 9,300 | 0.36 | Acceptable |
| | 6 | North of McCall Bl. | 4U | Secondary | 25,900 | 8,600 | 0.33 | Acceptable |
| | 7 | Between McCall Bl. & Cherry Hills Bl. | 4U | Secondary | 25,900 | 10,900 | 0.42 | Acceptable |
| | 8 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 8,700 | 0.34 | Acceptable |
| | 9 | North of Newport Rd. | 4D | Arterial | 35,900 | 30,300 | 0.84 | Approaching |
| | 10 | South of Newport Rd. | 4D | Arterial | 35,900 | 9,900 | 0.28 | Acceptable |
| | 11 | North of Scott Rd. | 4D | Arterial | 35,900 | 15,100 | 0.42 | Acceptable |
| Bradley Road | 12 | North of McCall Bl. | 4U | Secondary | 25,900 | 5,400 | 0.21 | Acceptable |
| | 13 | Between McCall Bl. & Cherry Hills Bl. | 4D | Secondary | 25,900 | 18,600 | 0.72 | Acceptable |
| | 14 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 14,100 | 0.54 | Acceptable |
| | 15 | North of Newport Rd. | 4U | Secondary | 25,900 | 13,200 | 0.51 | Acceptable |
| | 16 | South of Newport Rd. | 4D | Major | 34,100 | 10,700 | 0.31 | Acceptable |
| Encanto Road | 17 | South of Ethanac Rd. | 4D | Major | 34,100 | 4,200 | 0.12 | Acceptable |
| | 18 | North of McCall Bl. | 4D | Major | 34,100 | 4,800 | 0.14 | Acceptable |
| | 19 | South of McCall Bl. | 2U | Local | 13,000 | 7,800 | 0.60 | Acceptable |
| Haun Road | 20 | North of Newport Rd. | 2U | Local | 13,000 | 10,000 | 0.77 | Acceptable |
| | 21 | South of Newport Rd. | 4D | Major | 34,100 | 25,800 | 0.76 | Acceptable |
| | 22 | North of Scott Rd. | 4D | Major | 34,100 | 8,600 | 0.25 | Acceptable |
| | 23 | South of Scott Rd | 4D | Major | 34,100 | 4,400 | 0.13 | Acceptable |

**Table 7-1 (2 of 5)**

**RCIP (2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | RCIP Class | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Antelope Road | 24 | North of Newport Rd. | 4D | Secondary | 25,900 | 7,500 | 0.29 | Acceptable |
| | 25 | South of Newport Rd. | 4D | Major | 34,100 | 18,700 | 0.55 | Acceptable |
| | 26 | North of Scott Rd. | 4D | Major | 34,100 | 13,500 | 0.40 | Acceptable |
| | 27 | South of Scott Rd | 4D | Major | 34,100 | 17,100 | 0.50 | Acceptable |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 23,700 | 0.44 | Acceptable |
| | 29 | South of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 30,000 | 0.56 | Acceptable |
| | 30 | North of McCall Bl. | 6D | Urban | 53,900 | 35,000 | 0.65 | Acceptable |
| | 31 | Between McCall Bl. & Simpson Rd | 6D | Urban | 53,900 | 15,400 | 0.29 | Acceptable |
| | 32 | North of Newport Rd. | 6D | Urban | 53,900 | 16,000 | 0.30 | Acceptable |
| | 33 | South of Newport Rd. | 6D | Urban | 53,900 | 17,300 | 0.32 | Acceptable |
| | 34 | North of Holland Rd. | 6D | Urban | 53,900 | 16,000 | 0.30 | Acceptable |
| | 35 | South of Holland Rd. | 6D | Urban | 53,900 | 9,500 | 0.18 | Acceptable |
| | 36 | North of Garbani Rd. | 6D | Urban | 53,900 | 9,300 | 0.17 | Acceptable |
| | 37 | South of Garbani Rd. | 6D | Urban | 53,900 | 15,900 | 0.29 | Acceptable |
| | 38 | North of Scott Rd. | 6D | Urban | 53,900 | 16,400 | 0.30 | Acceptable |
| | 39 | South of Scott Rd | 6D | Urban | 53,900 | 21,600 | 0.40 | Acceptable |
| Lindenberger Road | 40 | North of Newport Rd. | 4U | Secondary | 25,900 | 6,500 | 0.25 | Acceptable |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 6,900 | 0.20 | Acceptable |
| | 42 | South of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 9,700 | 0.28 | Acceptable |
| | 43 | North of Scott Rd. | 4D | Major | 34,100 | 2,700 | 0.08 | Acceptable |
| | 44 | South of Scott Rd | 4D | Major | 34,100 | 4,900 | 0.14 | Acceptable |

**Table 7-1 (3 of 5)**

**RCIP (2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | RCIP Class | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. | 6D | Expressway | 61,300 | 37,600 | 0.61 | Acceptable |
| | 46 | Between Goetz Rd & Murrieta Rd. | 6D | Expressway | 61,300 | 40,700 | 0.66 | Acceptable |
| | 47 | East of Murrieta Rd. | 6D | Expressway | 61,300 | 45,700 | 0.75 | Acceptable |
| | 48 | West of I-215 SB Ramp | 6D | Expressway | 61,300 | 52,900 | 0.86 | Approaching |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Expressway | 61,300 | 51,200 | 0.84 | Approaching |
| | 50 | Between I-215 NB Ramp & Encanto Dr. | 6D | Expressway | 61,300 | 57,300 | 0.93 | Approaching |
| | 51 | East of Encanto Dr. | 6D | Expressway | 61,300 | 56,200 | 0.92 | Approaching |
| | 52 | West of Menifee Rd. | 6D | Expressway | 61,300 | 52,300 | 0.85 | Approaching |
| | 53 | East of Menifee Rd. | 6D | Expressway | 61,300 | 52,300 | 0.85 | Approaching |
| | 54 | West of Briggs Rd. | 6D | Expressway | 61,300 | 56,500 | 0.92 | Approaching |
| | 55 | East of Briggs Rd. | 6D | Expressway | 61,300 | 54,700 | 0.89 | Approaching |
| McCall Boulevard | 56 | West of Murrieta Rd. | 4D | Major | 34,100 | 6,200 | 0.18 | Acceptable |
| | 57 | East of Murrieta Rd. | 4D | Major | 34,100 | 13,900 | 0.41 | Acceptable |
| | 58 | West of Bradley Rd. | 4D | Major | 34,100 | 29,500 | 0.87 | Approaching |
| | 59 | Between Bradley Rd & I-215 SB Ramp | 4D | Major | 34,100 | 44,400 | **1.30** | **Exceeds** |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 43,700 | 0.81 | Approaching |
| | 61 | Between I-215 NB Ramp & Encanto Dr. | 6D | Urban | 53,900 | 43,800 | 0.81 | Approaching |
| | 62 | East of Encanto Dr. | 6D | Urban | 53,900 | 34,600 | 0.64 | Acceptable |
| | 63 | West of Menifee Rd. | 6D | Urban | 53,900 | 22,700 | 0.42 | Acceptable |
| | 64 | East of Menifee Rd. | 6D | Urban | 53,900 | 29,000 | 0.54 | Acceptable |

**Table 7-1 (4 of 5)**

**RCIP (2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | RCIP Class | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. | 2U | Local | 13,000 | 6,400 | 0.49 | Acceptable |
| | 66 | East of Murrieta Rd. | 4D | Local | 25,900 | 2,800 | 0.11 | Acceptable |
| | 67 | West of Bradley Rd. | 4D | Local | 25,900 | 4,600 | 0.18 | Acceptable |
| Newport Road | 68 | West of Goetz Rd. | 4D | Arterial | 35,900 | 23,600 | 0.66 | Acceptable |
| | 69 | East of Goetz Rd. | 6D | Urban | 53,900 | 30,000 | 0.56 | Acceptable |
| | 70 | West of Murrieta Rd. | 6D | Urban | 53,900 | 31,900 | 0.59 | Acceptable |
| | 71 | East of Murrieta Rd. | 6D | Urban | 53,900 | 37,000 | 0.69 | Acceptable |
| | 72 | West of Bradley Rd. | 6D | Urban | 53,900 | 30,800 | 0.57 | Acceptable |
| | 73 | East of Bradley Rd. | 6D | Urban | 53,900 | 37,600 | 0.70 | Acceptable |
| | 74 | West of Haun Rd. | 6D | Urban | 53,900 | 41,800 | 0.78 | Acceptable |
| | 75 | Between Haun Rd. & I-215 SB Ramp | 8D | Expressway | 81,700 | 51,500 | 0.63 | Acceptable |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp | 8D | Expressway | 81,700 | 46,500 | 0.57 | Acceptable |
| | 77 | Between I-215 NB Ramp & Antelope Rd. | 8D | Expressway | 81,700 | 52,700 | 0.65 | Acceptable |
| | 78 | East of Antelope Rd. | 6D | Urban | 53,900 | 34,200 | 0.63 | Acceptable |
| | 79 | West of Menifee Rd. | 6D | Urban | 53,900 | 34,200 | 0.63 | Acceptable |
| | 80 | East of Menifee Rd. | 6D | Urban | 53,900 | 24,700 | 0.46 | Acceptable |
| | 81 | West of Lindenberger Rd. | 6D | Urban | 53,900 | 24,900 | 0.46 | Acceptable |
| | 82 | East of Lindenberger Rd. | 6D | Urban | 53,900 | 19,800 | 0.37 | Acceptable |
| Holland Road | 83 | West of Menifee Rd. | 4D | Major | 34,100 | 14,400 | 0.42 | Acceptable |
| | 84 | East of Menifee Rd. | 4D | Major | 34,100 | 8,100 | 0.24 | Acceptable |
| Garbani Road | 85 | West of Menifee Rd. | 6D | Urban | 53,900 | 7,100 | 0.13 | Acceptable |
| | 86 | East of Menifee Rd. | 4D | Major | 34,100 | 8,100 | 0.24 | Acceptable |

**Table 7-1 (5 of 5)**

**RCIP (2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes[3] | RCIP Class | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Scott Road | 87 | West of Murrieta Rd. | 6D | Urban | 53,900 | 32,000 | 0.59 | Acceptable |
| | 88 | East of Murrieta Rd. | 6D | Urban | 53,900 | 23,600 | 0.44 | Acceptable |
| | 89 | West of Haun Rd. | 6D | Urban | 53,900 | 25,600 | 0.47 | Acceptable |
| | 90 | Between Haun Rd. & I-215 SB Ramp | 6D | Urban | 53,900 | 26,000 | 0.48 | Acceptable |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 29,000 | 0.54 | Acceptable |
| | 92 | Between I-215 NB Ramp & Antelope Rd. | 6D | Urban | 53,900 | 35,700 | 0.66 | Acceptable |
| | 93 | East of Antelope Rd. | 6D | Urban | 53,900 | 26,300 | 0.49 | Acceptable |
| | 94 | West of Menifee Rd. | 6D | Urban | 53,900 | 25,300 | 0.47 | Acceptable |
| | 95 | East of Menifee Rd. | 6D | Urban | 53,900 | 32,200 | 0.60 | Acceptable |
| | 96 | West of Briggs Rd. | 6D | Urban | 53,900 | 31,600 | 0.59 | Acceptable |
| | 97 | East of Briggs Rd. | 6D | Urban | 53,900 | 28,400 | 0.53 | Acceptable |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Cacacity", 1.26+ = "Exceeds Capacity"

[3] D=Divided, U=Undivided

the total of 97 existing study area roadway segments are expected to exceed the average daily vehicle capacity thresholds.

Based on the RCIP 2035 conditions roadway segment analysis, the following the study area roadway segments provide unacceptable roadway capacity:

| ID | Roadway | Segment | V/C Ratio |
|---|---|---|---|
| 59 | McCall Boulevard | Between Bradley Rd & I-215 SB Ramp | 1.30 |

The roadway segment analysis for RCIP 2035 conditions shows that the proposed RivTAM roadway network will provide adequate capacity to accommodate interim year 2035 conditions on all of the study area roadway segments with the exception of McCall Boulevard between Bradley Road and I-215 southbound ramps.

### 7.1.2 INTERSECTION OPERATIONS ANALYSIS

Future RCIP 2035 peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 of this traffic study.

The intersection analysis results summarized in Table 7-2 indicate that out of the 33 study area intersections:

- 32 operate at acceptable LOS D or better conditions during the peak hours
- 1 operates at unacceptable LOS E or worse conditions during the peak hours

The RCIP conditions operations analysis show that the following intersection location will experience unacceptable LOS E or worse conditions during one or both of the peak hours.

| ID | Intersection Location | AM | PM |
|---|---|---|---|
| 8 | Bradley Road / McCall Boulevard | D | F |

The RCIP 2035 conditions intersection analysis worksheets are included in Appendix 7.2 of this traffic study.

### 7.1.3 I-215 MAINLINE CAPACITY ANALYSIS

Using the City of Menifee General Plan Circulation Element roadway volume capacity values provided on Table 2-1, Table 7-3 provides a summary of the RCIP 2035 I-215 Mainline Capacity Analysis. As shown on Table 7-3, with the planned widening of the I-215 in 2015, the planned 6-lane freeway is expected to potentially exceed the estimated daily capacity for all five of the freeway segements.

## Table 7-2

## RCIP (2035) Intersection Analysis

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Existing (2012) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | Delay[2] (secs.) | | Level of Service | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 1 | Goetz Rd / Newport Rd | TS | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 1> | 42 | 47.8 | D | D |
| 2 | Goetz Rd / Ethanac Rd | TS | 2 | 2 | 1> | 2 | 2 | 1 | 2 | 3 | d | 2 | 3 | d | 46.7 | 38.2 | D | D |
| 3 | Murrieta Rd / Ethanac Rd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | d | 1 | 3 | d | 35.4 | 41.5 | D | D |
| 4 | Murrieta Rd / McCall Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 25.7 | 26.8 | C | C |
| 5 | Murrieta Rd / Cherry Hills Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 24.3 | 26.7 | C | C |
| 6 | Murrieta Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | 45.5 | 49.6 | D | D |
| 7 | Murrieta Rd / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 1> | 2 | 3 | 0 | 0 | 3 | 1 | 19.9 | 24.9 | B | C |
| 8 | Bradley Rd / McCall Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 41.9 | ***>80.0*** | D | ***F*** |
| 9 | Bradley Rd / Cherry Hills Blvd | TS | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 14.3 | 14.5 | B | B |
| 10 | Bradley Rd / Newport Rd | TS | 2 | 2 | 1> | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 37.9 | 40.8 | D | D |
| 11 | I-215 Southbound Ramps / Ethanac Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 4 | 1>> | 11.8 | 9.9 | B | A |
| 12 | I-215 Southbound Ramps / McCall Blvd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1>> | 2 | 3 | 0 | 13.9 | 20.3 | B | C |
| 13 | Haun Rd / Newport Rd | TS | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 39.2 | 52.5 | D | D |
| 14 | Haun Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 36.7 | 35.7 | D | D |
| 15 | I-215 Southbound Ramps / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1>> | 0 | 3 | 1>> | 7.0 | 10.3 | A | B |
| 16 | I-215 Southbound Ramps / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 3 | 2 | 5.5 | 7.9 | A | A |
| 17 | I-215 Northbound Ramps / Ethanac Rd | TS | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 1>> | 0 | 4 | 1>> | 10.9 | 12.2 | B | B |
| 18 | I-215 Northbound Ramps / McCall Blvd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 3 | 1>> | 15.6 | 23.5 | B | C |
| 19 | I-215 Northbound Ramps / Newport Rd | TS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1>> | 0 | 4 | 1>> | 11.4 | 11.1 | B | B |
| 20 | I-215 Northbound Ramps / Scott Rd | TS | 0 | 1 | 2 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 1 | 14.0 | 16.8 | B | B |
| 21 | Encanto Dr / Ethanac Rd | TS | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | d | 1 | 3 | 0 | 22.4 | 19.9 | C | B |
| 22 | Encanto Dr / McCall Blvd | TS | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 1 | 32.1 | 32.3 | C | C |
| 23 | Antelope Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | 42.6 | 44.7 | D | D |
| 24 | Antelope Rd / Scott Rd | TS | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 3 | 1 | 34.6 | 36.5 | C | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 3 | d | 2 | 3 | d | 49.6 | 41.0 | D | D |
| 26 | Menifee Rd / McCall Blvd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | 50.2 | 34.6 | D | C |
| 27 | Menifee Rd / Newport Rd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 40.5 | 35.2 | D | D |
| 28 | Menifee Rd / Holland Rd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 27.3 | 27.9 | C | C |
| 29 | Menifee Rd / Garbani Rd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 28.0 | 30.2 | C | C |
| 30 | Menifee Rd / Scott Rd | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 32.5 | 37.8 | C | D |
| 31 | Lindenberger Rd / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 0 | 0 | 3 | 1 | 19.9 | 21.1 | B | C |
| 32 | Briggs Rd / SR-74 (Pinacate Rd.) | TS | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 1> | 1 | 3 | d | 49.7 | 42.1 | D | D |
| 33 | Briggs Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 30.1 | 31.6 | C | C |

1 When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane

2 Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 Ramp Locations have been analyzed utilizing the Synchro software.

3 TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

4 Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

5 It is our understanding that Caltrans, in cooperation with the City of Menifee, proposes a complete re-design of the existing I-215 Freeway at Scott Road interchang As such, any physical improvements recommended at the freeway ramp intersections could be considered "throw away" improvements. Therefore, the City of Menifee should consider whether the implementation of any improvements is necessary to address this short-term impact.

**Table 7-3**

**RCIP (2035) I-215 Mainline Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Estimated Daily Capacity[1] | RCIP 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| I-215 | 1 | North of SR-74 (Ethanac Road) | 6D | 117,500 | 127,000 | **1.08** | **Potentially Exceeds** |
| | 2 | SR-74 (Ethanac Road) to McCall Boulevard | 6D | 117,500 | 120,000 | **1.02** | **Potentially Exceeds** |
| | 3 | McCall Boulevard to Newport Road | 6D | 117,500 | 131,000 | **1.11** | **Potentially Exceeds** |
| | 4 | Newport Road to Scott Road | 6D | 117,500 | 118,000 | **1.00** | **Potentially Exceeds** |
| | 5 | South of Scott Road | 6D | 117,500 | 135,000 | **1.15** | **Potentially Exceeds** |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Capacity", 1.26+ = "Exceeds Capacity"

### 7.1.4 VEHICLE MILES TRAVELLED (VMT)

For RCIP 2035 conditions, VMT datasets have been extracted for the traffic analysis zones which encompass the City of Menifee. It is also important to recognize that each trip has two ends and in order to calculate the VMT for the City of Menifee all trip types need to be accurately described. The VMT for the City of Menifee includes the following:

- 100% of the internal to internal trips
- 50% of the internal to external trips
- 50% of the external to internal trips
- 0% of the external to external trips

All shopping, recreational, social, and work related trips contribute to the VMT estimates. On an average daily basis, the following quantities of vehicle miles travelled are projected to occur in 2035:

- AM Peak Period – 984,000
- Mid Day Period – 1,597,000
- PM Peak Period – 1,535,000
- Nighttime Period – 1,090,000

Based upon RivTAM, the City of Menifee produces a total of approximately 5,206,000 VMT per day for 2035 conditions. This level of activity is generated by an assumed service population of 133,481, consisting of 112,937 residents and 20,544 employees within the city. .

The RCIP 2035 dataset for Menifee incorporates a significant imbalance of jobs and housing, which is not in line with the General Plan vision for the city. The 2035 per capita VMT is therefore high (more than 39 vehicle miles per day per resident/employee).

## 7.2 PROPOSED MENIFEE GENERAL PLAN POST-2035 TRAFFIC FORECASTS

The proposed Menifee General Plan Post-2035 traffic forecasts are based on Menifee General Plan Land Use Element that represents future Post-2035 conditions. The buildout data reflects full buildout of the land uses ultimately envisioned for the City of Menifee at this time and does not correspond to a specific horizon year.

The Proposed Menifee General Plan traffic model reflects the roadway network classifications shown on Exhibit 5-3. The refined model forecast calculations for the Proposed Menifee General Plan Post-2035 conditions are included in Appendix 7.3. Exhibit 7-4 presents the Average Daily Traffic Volumes expected for the Proposed Menifee General Plan Post-2035 conditions. Exhibits 7-5 and 7-6 provide the Proposed Menifee General Plan Post-2035 AM and PM peak hour intersection turning movement volumes.

EXHIBIT 7-4

# PROPOSED MENIFEE GENERAL PLAN (POST-2035) AVERAGE DAILY TRAFFIC (ADT)

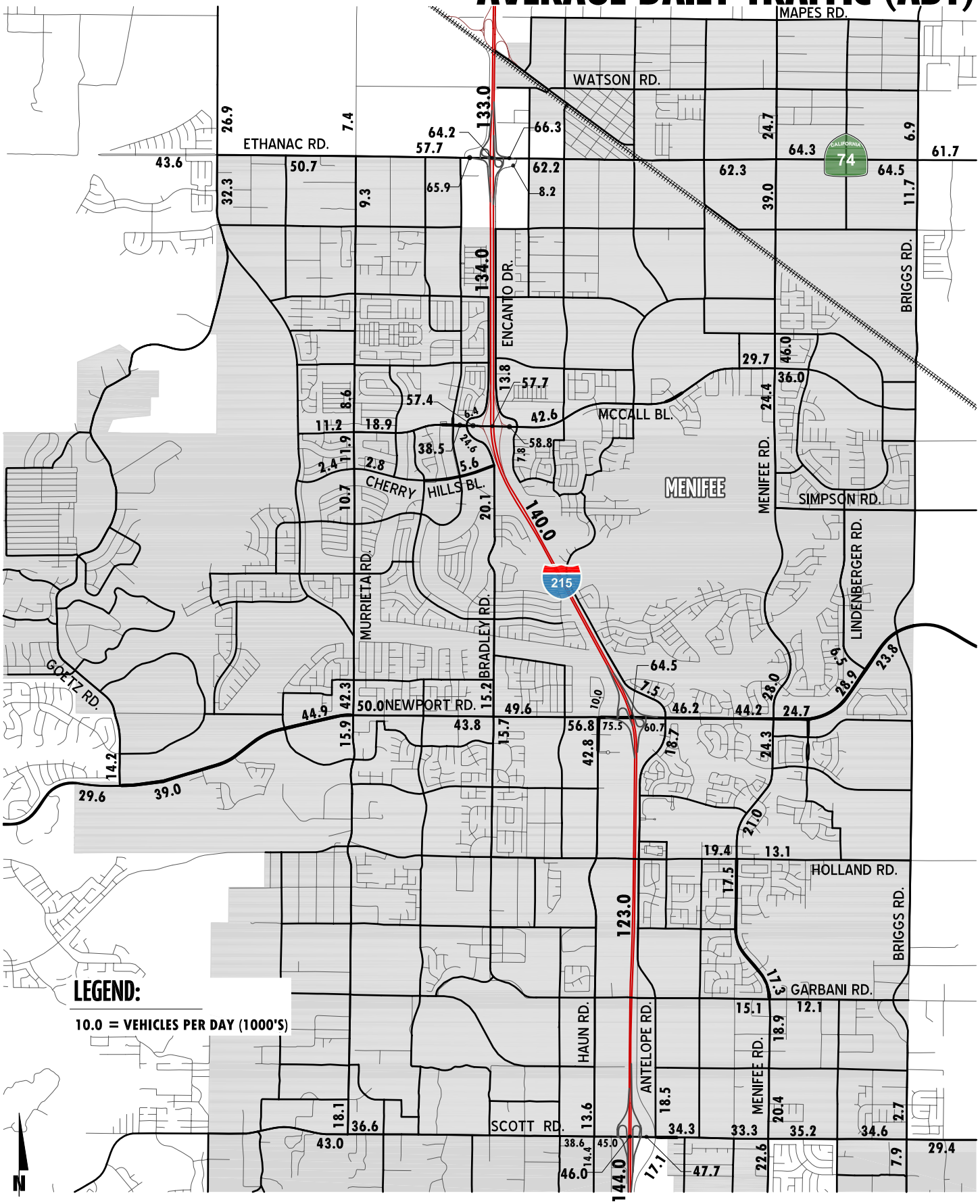
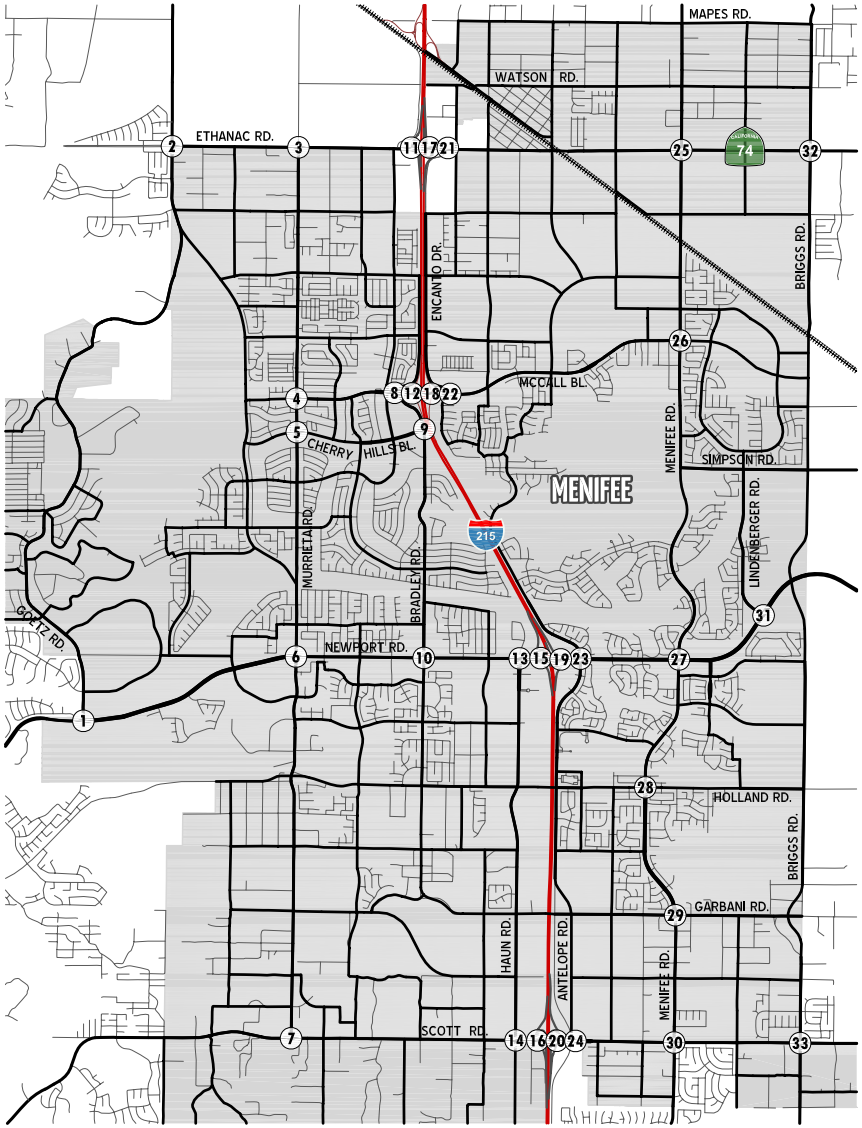


EXHIBIT 7-5

# PROPOSED MENIFEE GENERAL PLAN (POST-2035) AM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 239 | 1 | 686 |
| 193 | 866 | 10 |
| 70 | 864 | 3 |
| 15 | 3 | 25 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 575 | 317 | 541 |
| 213 | 839 | 771 |
| 96 | 1083 | 42 |
| 36 | 130 | 606 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 123 | 60 | 187 |
| 99 | 1563 | 147 |
| 3 | 1923 | 35 |
| 91 | 126 | 195 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 95 | 172 | 68 |
| 68 | 209 | 221 |
| 121 | 392 | 13 |
| 6 | 150 | 152 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 72 | 309 | 29 |
| 21 | 18 | 33 |
| 19 | 63 | 58 |
| 7 | 208 | 34 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 457 | 155 | 947 |
| 399 | 845 | 67 |
| 473 | 1246 | 49 |
| 44 | 115 | 32 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 467 | 273 | |
| 139 | 941 | |
| 233 | 1266 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 18 | 63 | 150 |
| 83 | 999 | 610 |
| 61 | 1085 | 107 |
| 93 | 57 | 533 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 43 | 421 | |
| 58 | 62 | |
| 92 | 486 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 125 | 216 | 249 |
| 191 | 858 | 272 |
| 225 | 1432 | 183 |
| 237 | 324 | 409 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 315 | 240 | |
| 315 | 2075 | |
| 2246 | 363 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 244 | 0 | 296 |
| 1448 | 652 | |
| 1500 | 268 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 42 | 51 | 90 |
| 248 | 1322 | 785 |
| 95 | 1634 | 294 |
| 191 | 47 | 514 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 81 | 153 | 403 |
| 267 | 1035 | 212 |
| 62 | 974 | 395 |
| 164 | 220 | 24 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 631 | 529 | |
| 621 | 1724 | |
| 1601 | 637 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 220 | 302 | |
| 464 | 1500 | |
| 851 | 607 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 43 | 1733 | |
| 2300 | 186 | |
| 657 | 264 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 186 | 1828 | |
| 264 | 1532 | |
| 272 | 2 | 438 |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 404 | 1887 | |
| 1652 | 478 | |
| 458 | 371 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 578 | | |
| 354 | 1386 | |
| 193 | 960 | |
| 2 | 476 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 1726 | 169 | |
| 2463 | 101 | |
| 50 | 69 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 304 | 9 | 69 |
| 44 | 1489 | 15 |
| 204 | 1585 | 181 |
| 221 | 12 | 20 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 170 | 70 | 165 |
| 108 | 1717 | 221 |
| 78 | 1200 | 745 |
| 404 | 40 | 205 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 355 | 311 | 207 |
| 64 | 992 | 131 |
| 135 | 997 | 304 |
| 393 | 112 | 93 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 170 | 678 | 367 |
| 177 | 1705 | 501 |
| 197 | 1528 | 391 |
| 565 | 546 | 866 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 426 | 660 | 591 |
| 1157 | 787 | 17 |
| 627 | 679 | 154 |
| 177 | 666 | 40 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 737 | 489 | 106 |
| 170 | 816 | 301 |
| 760 | 510 | 209 |
| 163 | 350 | 161 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 351 | 515 | 77 |
| 87 | 441 | 294 |
| 152 | 209 | 57 |
| 135 | 315 | 247 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 273 | 469 | 20 |
| 8 | 242 | 71 |
| 38 | 121 | 242 |
| 353 | 443 | 142 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 143 | 373 | 254 |
| 356 | 769 | 295 |
| 111 | 717 | 92 |
| 328 | 463 | 479 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 214 | 37 | |
| 22 | 1007 | |
| 168 | 578 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 114 | 128 | 251 |
| 137 | 1907 | 218 |
| 181 | 1416 | 721 |
| 485 | 130 | 153 |

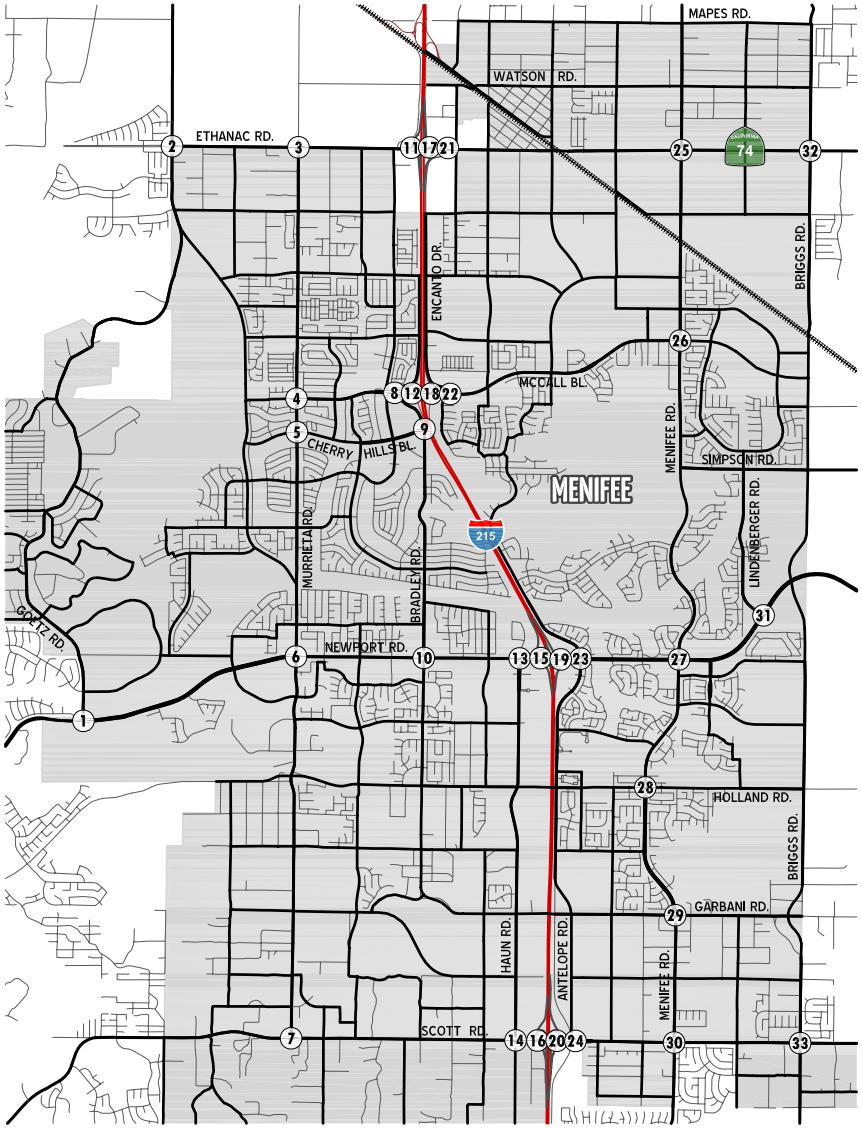
**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 71 | 5 | 4 |
| 1 | 1170 | 2 |
| 19 | 1334 | 114 |
| 89 | 1 | 2 |

N

EXHIBIT 7-6

# PROPOSED MENIFEE GENERAL PLAN (POST-2035) PM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 146 | 3 | 387 |
| 751 | 987 | 34 |
| 329 | 1207 | 9 |
| 9 | 2 | 17 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 92 | 208 | 315 |
| 495 | 1185 | 897 |
| 87 | 640 | 48 |
| 18 | 127 | 690 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 3 | 78 | 87 |
| 184 | 2222 | 263 |
| 23 | 1806 | 75 |
| 56 | 213 | 197 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 53 | 182 | 130 |
| 160 | 301 | 239 |
| 43 | 254 | 13 |
| 2 | 207 | 241 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 18 | 315 | 20 |
| 22 | 78 | 56 |
| 28 | 46 | 6 |
| 14 | 399 | 49 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 496 | 185 | 752 |
| 937 | 1433 | 80 |
| 656 | 1025 | 45 |
| 140 | 227 | 83 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 383 | 194 | |
| 236 | 1797 | |
| 644 | 1276 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 53 | 92 | 295 |
| 93 | 1498 | 763 |
| 70 | 1427 | 105 |
| 125 | 80 | 916 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 77 | 575 | |
| 81 | 79 | |
| 155 | 824 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 200 | 298 | 378 |
| 353 | 1650 | 237 |
| 200 | 1173 | 155 |
| 320 | 297 | 240 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 268 | 111 | |
| 292 | 2496 | |
| 2084 | 482 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 392 | 2 | 295 |
| 1962 | 621 | |
| 1991 | 647 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 103 | 90 | 265 |
| 161 | 1733 | 1038 |
| 80 | 1560 | 488 |
| 501 | 66 | 1113 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 146 | 86 | 281 |
| 371 | 1338 | 209 |
| 163 | 1388 | 265 |
| 297 | 161 | 99 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 679 | 512 | |
| 359 | 2253 | |
| 2273 | 665 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 232 | 405 | |
| 501 | 1811 | |
| 1493 | 567 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 372 | 2498 | |
| 1837 | 358 | |
| 290 | 403 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 141 | 2229 | |
| 264 | 2022 | |
| 354 | 1 | 548 |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 401 | 1746 | |
| 1864 | 921 | |
| 866 | 707 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 794 | | |
| 356 | 1518 | |
| 395 | 1503 | |
| 0 | 516 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 2512 | 44 | |
| 2124 | 116 | |
| 358 | 146 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 213 | 16 | 26 |
| 64 | 1944 | 34 |
| 501 | 1751 | 318 |
| 213 | 20 | 37 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 108 | 64 | 32 |
| 62 | 1476 | 251 |
| 238 | 1620 | 713 |
| 563 | 109 | 368 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 334 | 128 | 169 |
| 158 | 1155 | 160 |
| 386 | 1313 | 320 |
| 385 | 337 | 189 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 104 | 712 | 129 |
| 215 | 1244 | 669 |
| 188 | 1676 | 519 |
| 382 | 848 | 585 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 299 | 796 | 954 |
| 796 | 715 | 42 |
| 351 | 959 | 242 |
| 206 | 843 | 47 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 756 | 363 | 104 |
| 78 | 669 | 165 |
| 765 | 885 | 132 |
| 234 | 666 | 374 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 120 | 161 | 79 |
| 146 | 298 | 26 |
| 180 | 646 | 134 |
| 79 | 968 | 93 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 116 | 150 | 9 |
| 43 | 229 | 49 |
| 331 | 85 | 424 |
| 298 | 767 | 26 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 84 | 428 | 229 |
| 423 | 754 | 512 |
| 228 | 1045 | 510 |
| 273 | 439 | 486 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 192 | 36 | |
| 38 | 682 | |
| 333 | 1139 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 191 | 79 | 210 |
| 122 | 1579 | 69 |
| 257 | 2318 | 302 |
| 260 | 170 | 82 |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 27 | 1 | 5 |
| 3 | 1555 | 2 |
| 78 | 1413 | 71 |
| 101 | 3 | 2 |

### 7.2.1 ROADWAY SEGMENT ANALYSIS

Table 7-4 provides a summary of the interim year Proposed Menifee General Plan Post-2035 conditions roadway segment capacity analysis based on the capacity thresholds identified on Table 2-1. As shown on Table 7-4, 8 out of the total of 97 existing study area roadway segments are expected to exceed the average daily vehicle capacity thresholds. Based on the Proposed Menifee General Plan Post-2035 conditions roadway segment analysis, the following 8 study area roadway segments may exceed the roadway capacity:

| ID | Roadway | Segment | V/C Ratio |
|---|---|---|---|
| 9 | Murrieta Road | North of Newport Rd. | 1.18 |
| 21 | Haun Road | South of Newport Rd. | 1.26 |
| 58 | McCall Boulevard | West of Bradley Rd. | 1.13 |
| 59 | McCall Boulevard | Between Bradley Rd & I-215 SB Ramp | 1.06 |
| 60 | McCall Boulevard | Between I-215 SB Ramp & I-215 NB Ramp | 1.07 |
| 61 | McCall Boulevard | Between I-215 NB Ramp & Encanto Dr. | 1.09 |
| 74 | Newport Road | West of Haun Rd. | 1.05 |
| 75 | Newport Road | Between Haun Rd. & I-215 SB Ramp | 1.05 |

The roadway segment analysis for Proposed Menifee General Plan Post-2035 conditions show that the proposed City of Menifee General Plan roadway network will provide adequate capacity to accommodate interim Post-2035 conditions on all of the study area roadway segments with eight segments potentially exceeding capacity.

As indicated in Section 2.2, the roadway segment analysis is used as a planning tool to evaluate the adequacy of existing roadway segment capacities. A v/c ratio of greater than 1.01 to 1.25 suggests that additional review is required; however, if adjacent intersections provide the lanes needed to achieve acceptable peak hour LOS, then segment capacity improvements between key intersections may not be needed. For roadway segments significantly exceeding capacity (v/c ratio > 1.25) then additional through lane roadway capacity and intersection improvements are more likely to be needed.

### 7.2.2 INTERSECTION OPERATIONS ANALYSIS

Future Proposed Menifee General Plan Post-2035 peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 of this traffic study. The intersection analysis results summarized in Table 7-5 indicate that out of the 33 study area intersections:

- 29 operate at acceptable LOS D or better conditions during the peak hours
- 4 operates at unacceptable LOS E or worse conditions during the peak hours

**Table 7-4 (1 of 5)**

**Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | GP Proposed ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Goetz Road | 1 | North of Ethanac Rd. | 4D | Arterial | 35,900 | 26,900 | 0.75 | Acceptable |
| | 2 | South of Ethanac Rd. | 4D | Arterial | 35,900 | 32,300 | 0.90 | Approaching |
| | 3 | North of Newport Rd. | 4D | Arterial | 35,900 | 14,200 | 0.40 | Acceptable |
| Murrieta Road | 4 | North of Ethanac Rd. | 4U | Secondary | 25,900 | 7,400 | 0.29 | Acceptable |
| | 5 | South of Ethanac Rd. | 4U | Secondary | 25,900 | 9,300 | 0.36 | Acceptable |
| | 6 | North of McCall Bl. | 4U | Secondary | 25,900 | 8,600 | 0.33 | Acceptable |
| | 7 | Between McCall Bl. & Cherry Hills Bl. | 4U | Secondary | 25,900 | 11,900 | 0.46 | Acceptable |
| | 8 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 10,700 | 0.41 | Acceptable |
| | 9 | North of Newport Rd. | 4D | Arterial | 35,900 | 42,300 | **1.18** | **Potentially Exceeds** |
| | 10 | South of Newport Rd. | 4D | Arterial | 35,900 | 15,900 | 0.44 | Acceptable |
| | 11 | North of Scott Rd. | 4D | Arterial | 35,900 | 18,100 | 0.50 | Acceptable |
| Bradley Road | 12 | North of McCall Bl. | 4U | Secondary | 25,900 | 6,400 | 0.25 | Acceptable |
| | 13 | Between McCall Bl. & Cherry Hills Bl. | 4D | Secondary | 25,900 | 24,600 | 0.95 | Approaching |
| | 14 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 20,100 | 0.78 | Acceptable |
| | 15 | North of Newport Rd. | 4U | Secondary | 25,900 | 15,200 | 0.59 | Acceptable |
| | 16 | South of Newport Rd. | 4D | Major | 34,100 | 15,700 | 0.46 | Acceptable |
| Encanto Road | 17 | South of Ethanac Rd. | 4D | Major | 34,100 | 8,200 | 0.24 | Acceptable |
| | 18 | North of McCall Bl. | 4D | Major | 34,100 | 13,800 | 0.40 | Acceptable |
| | 19 | South of McCall Bl. | 2U | Collector | 13,000 | 7,800 | 0.60 | Acceptable |
| Haun Road | 20 | North of Newport Rd. | 2U | Local | 13,000 | 10,000 | 0.77 | Acceptable |
| | 21 | South of Newport Rd. | 4D | Major | 34,100 | 42,800 | **1.26** | **Exceeds** |
| | 22 | North of Scott Rd. | 4D | Major | 34,100 | 13,600 | 0.40 | Acceptable |
| | 23 | South of Scott Rd | 4D | Major | 34,100 | 14,400 | 0.42 | Acceptable |

**Table 7-4 (2 of 5)**

**Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | GP Proposed ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Antelope Road | 24 | North of Newport Rd. | 4D | Secondary | 25,900 | 7,500 | 0.29 | Acceptable |
| | 25 | South of Newport Rd. | 4D | Major | 34,100 | 18,700 | 0.55 | Acceptable |
| | 26 | North of Scott Rd. | 4D | Major | 34,100 | 18,500 | 0.54 | Acceptable |
| | 27 | South of Scott Rd | 4D | Major | 34,100 | 17,100 | 0.50 | Acceptable |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 24,700 | 0.46 | Acceptable |
| | 29 | South of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 39,000 | 0.72 | Acceptable |
| | 30 | North of McCall Bl. | 6D | Urban | 53,900 | 46,000 | 0.85 | Approaching |
| | 31 | Between McCall Bl. & Simpson Rd | 4D | Arterial | 35,900 | 24,400 | 0.68 | Acceptable |
| | 32 | North of Newport Rd. | 4D | Arterial | 35,900 | 28,000 | 0.78 | Acceptable |
| | 33 | South of Newport Rd. | 4D | Arterial | 35,900 | 24,300 | 0.68 | Acceptable |
| | 34 | North of Holland Rd. | 4D | Arterial | 35,900 | 21,000 | 0.58 | Acceptable |
| | 35 | South of Holland Rd. | 4D | Arterial | 35,900 | 17,500 | 0.49 | Acceptable |
| | 36 | North of Garbani Rd. | 4D | Arterial | 35,900 | 17,300 | 0.48 | Acceptable |
| | 37 | South of Garbani Rd. | 4D | Arterial | 35,900 | 18,900 | 0.53 | Acceptable |
| | 38 | North of Scott Rd. | 4D | Arterial | 35,900 | 20,400 | 0.57 | Acceptable |
| | 39 | South of Scott Rd | 4D | Arterial | 35,900 | 22,600 | 0.63 | Acceptable |
| Lindenberger Road | 40 | North of Newport Rd. | 4U | Secondary | 25,900 | 6,500 | 0.25 | Acceptable |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 6,900 | 0.20 | Acceptable |
| | 42 | South of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 11,700 | 0.34 | Acceptable |
| | 43 | North of Scott Rd. | 4D | Major | 34,100 | 2,700 | 0.08 | Acceptable |
| | 44 | South of Scott Rd | 4D | Major | 34,100 | 7,900 | 0.23 | Acceptable |

**Table 7-4 (3 of 5)**

**Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | GP Proposed ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. | 6D | Expressway | 61,300 | 43,600 | 0.71 | Acceptable |
| | 46 | Between Goetz Rd & Murrieta Rd. | 6D | Expressway | 61,300 | 50,700 | 0.83 | Approaching |
| | 47 | East of Murrieta Rd. | 6D | Expressway | 61,300 | 57,700 | 0.94 | Approaching |
| | 48 | West of I-215 SB Ramp | 8D | Expressway | 81,700 | 65,900 | 0.81 | Approaching |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp | 8D | Expressway | 81,700 | 64,200 | 0.79 | Acceptable |
| | 50 | Between I-215 NB Ramp & Encanto Dr. | 8D | Expressway | 81,700 | 66,300 | 0.81 | Approaching |
| | 51 | East of Encanto Dr. | 8D | Expressway | 81,700 | 62,200 | 0.76 | Acceptable |
| | 52 | West of Menifee Rd. | 8D | Expressway | 81,700 | 62,300 | 0.76 | Acceptable |
| | 53 | East of Menifee Rd. | 8D | Expressway | 81,700 | 64,300 | 0.79 | Acceptable |
| | 54 | West of Briggs Rd. | 8D | Expressway | 81,700 | 64,500 | 0.79 | Acceptable |
| | 55 | East of Briggs Rd. | 8D | Expressway | 81,700 | 61,700 | 0.76 | Acceptable |
| McCall Boulevard | 56 | West of Murrieta Rd. | 4D | Major | 34,100 | 11,200 | 0.33 | Acceptable |
| | 57 | East of Murrieta Rd. | 4D | Major | 34,100 | 18,900 | 0.55 | Acceptable |
| | 58 | West of Bradley Rd. | 4D | Major | 34,100 | 38,500 | **1.13** | **Potentially Exceeds** |
| | 59 | Between Bradley Rd & I-215 SB Ramp | 6D | Urban | 53,900 | 57,400 | **1.06** | **Potentially Exceeds** |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 57,700 | **1.07** | **Potentially Exceeds** |
| | 61 | Between I-215 NB Ramp & Encanto Dr. | 6D | Urban | 53,900 | 58,800 | **1.09** | **Potentially Exceeds** |
| | 62 | East of Encanto Dr. | 6D | Urban | 53,900 | 42,600 | 0.79 | Acceptable |
| | 63 | West of Menifee Rd. | 6D | Urban | 53,900 | 29,700 | 0.55 | Acceptable |
| | 64 | East of Menifee Rd. | 6D | Urban | 53,900 | 36,000 | 0.67 | Acceptable |

**Table 7-4 (4 of 5)**

**Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | GP Proposed ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. | 2U | Collector | 13,000 | 2,400 | 0.18 | Acceptable |
| | 66 | East of Murrieta Rd. | 4D | Secondary | 25,900 | 2,800 | 0.11 | Acceptable |
| | 67 | West of Bradley Rd. | 4D | Secondary | 25,900 | 5,600 | 0.22 | Acceptable |
| Newport Road | 68 | West of Goetz Rd. | 6D | Urban | 53,900 | 29,600 | 0.55 | Acceptable |
| | 69 | East of Goetz Rd. | 6D | Urban | 53,900 | 39,000 | 0.72 | Acceptable |
| | 70 | West of Murrieta Rd. | 6D | Urban | 53,900 | 44,900 | 0.83 | Approaching |
| | 71 | East of Murrieta Rd. | 6D | Urban | 53,900 | 50,000 | 0.93 | Approaching |
| | 72 | West of Bradley Rd. | 6D | Urban | 53,900 | 43,800 | 0.81 | Approaching |
| | 73 | East of Bradley Rd. | 6D | Urban | 53,900 | 49,600 | 0.92 | Approaching |
| | 74 | West of Haun Rd. | 6D | Urban | 53,900 | 56,800 | **1.05** | **Potentially Exceeds** |
| | 75 | Between Haun Rd. & I-215 SB Ramp | 8D | Urban | 71,800 | 75,500 | **1.05** | **Potentially Exceeds** |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp | 8D | Urban | 71,800 | 64,500 | 0.90 | Approaching |
| | 77 | Between I-215 NB Ramp & Antelope Rd. | 8D | Urban | 71,800 | 60,700 | 0.85 | Approaching |
| | 78 | East of Antelope Rd. | 6D | Urban | 53,900 | 46,200 | 0.86 | Approaching |
| | 79 | West of Menifee Rd. | 6D | Urban | 53,900 | 44,200 | 0.82 | Approaching |
| | 80 | East of Menifee Rd. | 6D | Urban | 53,900 | 24,700 | 0.46 | Acceptable |
| | 81 | West of Lindenberger Rd. | 6D | Urban | 53,900 | 28,900 | 0.54 | Acceptable |
| | 82 | East of Lindenberger Rd. | 6D | Urban | 53,900 | 23,800 | 0.44 | Acceptable |
| Holland Road | 83 | West of Menifee Rd. | 4D | Major | 34,100 | 19,400 | 0.57 | Acceptable |
| | 84 | East of Menifee Rd. | 4D | Major | 34,100 | 13,100 | 0.38 | Acceptable |
| Garbani Road | 85 | West of Menifee Rd. | 4D | Major | 34,100 | 15,100 | 0.44 | Acceptable |
| | 86 | East of Menifee Rd. | 4D | Major | 34,100 | 12,100 | 0.35 | Acceptable |

**Table 7-4 (5 of 5)**

**Proposed Menifee General Plan (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | GP Proposed ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Scott Road | 87 | West of Murrieta Rd. | 6D | Urban | 53,900 | 43,000 | 0.80 | Acceptable |
| | 88 | East of Murrieta Rd. | 6D | Urban | 53,900 | 36,600 | 0.68 | Acceptable |
| | 89 | West of Haun Rd. | 6D | Urban | 53,900 | 38,600 | 0.72 | Acceptable |
| | 90 | Between Haun Rd. & I-215 SB Ramp | 6D | Urban | 53,900 | 45,000 | 0.83 | Approaching |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 46,000 | 0.85 | Approaching |
| | 92 | Between I-215 NB Ramp & Antelope Rd. | 6D | Urban | 53,900 | 47,700 | 0.88 | Approaching |
| | 93 | East of Antelope Rd. | 6D | Urban | 53,900 | 34,300 | 0.64 | Acceptable |
| | 94 | West of Menifee Rd. | 6D | Urban | 53,900 | 33,300 | 0.62 | Acceptable |
| | 95 | East of Menifee Rd. | 6D | Urban | 53,900 | 35,200 | 0.65 | Acceptable |
| | 96 | West of Briggs Rd. | 6D | Urban | 53,900 | 34,600 | 0.64 | Acceptable |
| | 97 | East of Briggs Rd. | 6D | Urban | 53,900 | 29,400 | 0.55 | Acceptable |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Cacacity", 1.26+ = "Exceeds Capacity"

## Table 7-5

## Proposed Menifee General Plan (Post-2035) Intersection Analysis

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Delay[2] (secs.) | | Level of Service | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | | | | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 1 | Goetz Rd / Newport Rd | TS | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 1> | 31.3 | 39.1 | C | D |
| 2 | Goetz Rd / Ethanac Rd | TS | 2 | 2 | 1> | 2 | 2 | 1> | 2 | 3 | d | 2 | 3 | d | 46.8 | 42.7 | D | D |
| 3 | Murrieta Rd / Ethanac Rd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 3 | d | 2 | 3 | d | 44.8 | 49.2 | D | D |
| 4 | Murrieta Rd / McCall Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 26.2 | 26.6 | C | C |
| 5 | Murrieta Rd / Cherry Hills Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 23.5 | 24.1 | C | C |
| 6 | Murrieta Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1> | 2 | 3 | 1 | 2 | 3 | 1> | 36.9 | 49.7 | D | D |
| 7 | Murrieta Rd / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 1> | 2 | 3 | 0 | 0 | 3 | 1 | 19.8 | 31.3 | B | C |
| 8 | Bradley Rd / McCall Blvd | TS | 1 | 2 | 1> | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 42.5 | ***>80.0*** | D | ***F*** |
| 9 | Bradley Rd / Cherry Hills Blvd | TS | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 14 | 15 | B | B |
| 10 | Bradley Rd / Newport Rd | TS | 2 | 2 | 1> | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 39.2 | 41.9 | D | D |
| 11 | I-215 Southbound Ramps / Ethanac Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 4 | 1>> | 11.8 | 9.2 | B | A |
| 12 | I-215 Southbound Ramps / McCall Blvd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1>> | 2 | 3 | 0 | 20.8 | 29.5 | C | C |
| 13 | Haun Rd / Newport Rd | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | ***>80.0*** | ***>80.0*** | ***F*** | ***F*** |
| 14 | Haun Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 38.9 | 39.5 | D | D |
| 15 | I-215 Southbound Ramps / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1>> | 0 | 3 | 1>> | 13.7 | 13.9 | B | B |
| 16 | I-215 Southbound Ramps / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 3 | 2 | 5.9 | 7.8 | A | A |
| 17 | I-215 Northbound Ramps / Ethanac Rd | TS | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 1>> | 0 | 4 | 1>> | 11.5 | 12.0 | B | B |
| 18 | I-215 Northbound Ramps / McCall Blvd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 3 | 1>> | 21.3 | 25.8 | C | C |
| 19 | I-215 Northbound Ramps / Newport Rd | TS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1>> | 0 | 4 | 1>> | 16.8 | 19.2 | B | B |
| 20 | I-215 Northbound Ramps / Scott Rd | TS | 0 | 1 | 2 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 1 | 14.2 | 15.2 | B | B |
| 21 | Encanto Dr / Ethanac Rd | TS | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 4 | 0 | 21.6 | 20.2 | C | C |
| 22 | Encanto Dr / McCall Blvd | TS | 1 | 1 | 0 | 2 | 1 | 1> | 2 | 3 | 1 | 1 | 3 | 1 | 34.7 | 54.9 | C | D |
| 23 | Antelope Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | 45.2 | 53.2 | D | D |
| 24 | Antelope Rd / Scott Rd | TS | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 3 | 1 | 37.6 | 41.6 | D | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | ***61.3*** | 47.3 | ***F***[4] | D |
| 26 | Menifee Rd / McCall Blvd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | ***>80.0*** | 44.6 | ***F*** | D |
| 27 | Menifee Rd / Newport Rd | TS | 2 | 2 | 1> | 2 | 2 | 1> | 2 | 3 | 1 | 2 | 3 | 1 | 39.2 | 39.5 | D | D |
| 28 | Menifee Rd / Holland Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 29.6 | 32.8 | C | C |
| 29 | Menifee Rd / Garbani Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 30.0 | 37.4 | C | D |
| 30 | Menifee Rd / Scott Rd | TS | 2 | 2 | 1> | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 35.0 | 45.4 | C | D |
| 31 | Lindenberger Rd / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 0 | 0 | 3 | 1 | 20.6 | 21.8 | C | C |
| 32 | Briggs Rd / SR-74 (Pinacate Rd.) | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | 42.4 | 36.0 | D | D |
| 33 | Briggs Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 30.1 | 32.2 | C | C |

1 When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane

2 Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 Ramp Locations have been analyzed utilizing the Synchro software.

3 TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

4 Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

**BOLD** = Unsatisfactory level of service.

The Proposed Menifee General Plan Post-2035 peak hour conditions analysis show that the following intersection location will experience unacceptable LOS E or worse conditions during one or both of the peak hours.

| ID | Intersection Location | AM | PM |
|---|---|---|---|
| 8 | Bradley Road / McCall Boulevard | D | F |
| 13 | Haun Road / Newport Road | F | F |
| 25 | Menifee Road / SR-74 (Pinacate Road) | F | D |
| 26 | Menifee Road / McCall Boulevard | F | D |

The Proposed Menifee General Plan Post-2035 conditions intersection operations analysis worksheets are included in Appendix 7.4 of this traffic study. Table 7-6 identifies the additional lane requirements needed to mitigate the unacceptable peak hour LOS. The intersection analysis with improvements are included in Appendix 7.5.

### 7.2.3 I-215 MAINLINE CAPACITY ANALYSIS

Table 7-7 provides a summary of the Proposed Menifee General Plan Post-2035 I-215 Mainline Capacity Analysis. As shown on Table 7-7, with the planned widening of the I-215 in 2015, the planned 6-lane freeway is generally expected to exceed the estimated daily capacity.

### 7.2.4 VEHICLE MILES TRAVELLED (VMT)

For Post-2035 conditions with the Proposed Menifee General Plan, VMT datasets have been extracted for the traffic analysis zones which encompass the City of Menifee. It is also important to recognize that each trip has two ends and in order to calculate the VMT for the City of Menifee all trip types need to be accurately described. The VMT for the City of Menifee includes the following:

- 100% of the internal to internal trips
- 50% of the internal to external trips
- 50% of the external to internal trips
- 0% of the external to external trips

All shopping, recreational, social, and work related trips contribute to the VMT estimates. On an average daily basis, the following quantities of vehicle miles travelled are projected to occur for buildout conditions:

- AM Peak Period – 1,093,000
- Mid Day Period – 1,810,000
- PM Peak Period – 1,799,000
- Nighttime Period – 1,255,000

## Table 7-6

## Proposed Menifee General Plan Post-2035 Intersection Analysis, With Improvements

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Delay[2] (secs.) | | Level of Service | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | | | | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 8 | Bradley Rd / McCall Blvd | | | | | | | | | | | | | | | | | |
| | -Without Mitigation | TS | 1 | 2 | 1> | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 42.5 | ***>80.0*** | D | ***F*** |
| | -With Mitigation | TS | 1 | 2 | **2>** | 1 | 2 | 1 | 2 | **3** | 1 | 2 | **3** | 1 | 34.5 | 45.6 | C | D |
| 13 | Haun Rd / Newport Rd | | | | | | | | | | | | | | | | | |
| | -Without Mitigation | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | ***>80.0*** | ***>80.0*** | ***F*** | ***F*** |
| | -With Mitigation[5] | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | **4** | 1> | 2 | **4** | 1 | ***55.4*** | ***78.1*** | ***E*** | ***E*** |
| | -With Additional Mitigation[6] | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | **4** | 1> | 2 | **4** | 1 | 26.5 | 39.0 | C | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | | | | | | | | | | | | | | | | | |
| | -Without Mitigation | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | ***61.3*** | 47.3 | ***F***[4] | D |
| | -With Mitigation | TS | 2 | 3 | **2>** | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | 46.3 | 46.4 | D | D |
| 26 | Menifee Rd / McCall Blvd | | | | | | | | | | | | | | | | | |
| | -Without Mitigation | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | ***>80.0*** | 44.6 | ***F*** | D |
| | -With Mitigation | TS | 2 | 3 | 1 | 2 | 3 | **1>** | 2 | 3 | 1 | 2 | 3 | **2>** | 40.2 | 42.1 | D | D |

1 When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.

L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane; **1** = Improvement

2 Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 ramp locations have been analyzed utilizing the Synchro software.

3 TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

4 Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

5 In addition to the lane improvements shown, the removal of the southbound crosswalk (west leg) is recommended.

6 In addition to the lane improvements shown, the removal of both the northbound (east leg) and southbound (west leg) crosswalks is recommended.

**BOLD** = Unsatisfactory level of service.

**Table 7-7**

**Proposed Menifee General Plan (Post-2035) I-215 Mainline Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Estimated Daily Capacity[1] | Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| I-215 | 1 | North of SR-74 (Ethanac Road) | 6D | 117,500 | 133,000 | **1.13** | **Potentially Exceeds** |
| | 2 | SR-74 (Ethanac Road) to McCall Boulevard | 6D | 117,500 | 134,000 | **1.14** | **Potentially Exceeds** |
| | 3 | McCall Boulevard to Newport Road | 6D | 117,500 | 140,000 | **1.19** | **Potentially Exceeds** |
| | 4 | Newport Road to Scott Road | 6D | 117,500 | 123,000 | **1.05** | **Potentially Exceeds** |
| | 5 | South of Scott Road | 6D | 117,500 | 144,000 | **1.23** | **Potentially Exceeds** |

[1] Approximate recommended ADT based upon Figure C-3 of the County of Riverside General Plan Circulation Element

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Capacity", 1.26+ = "Exceeds Capacity"

Based upon RivTAM, the City of Menifee produces a total of approximately 5,956,000 VMT per day for Post-2035 conditions with the Proposed Menifee General Plan. This level of activity is generated by an assumed service population of 272,644, consisting of 172,090 residents and 100,554 employees within the city.

The Post-2035 dataset with the Proposed Menifee General Plan significantly improves the balance of jobs and housing within the city, in comparison to existing and RCIP 2035 datasets that indicate a shortfall of local jobs. The Post-2035 per capita VMT with the Proposed Menifee General Plan is therefore 44% lower than the RCIP 2035 scenario (slightly less than 22 vehicle miles per day per resident/employee).

## 7.3 GENERAL PLAN EDC ALTERNATIVE POST-2035 TRAFFIC FORECASTS

The proposed General Plan EDC Alternative Post-2035 traffic forecasts are based on Menifee General Plan Land Use Element with the proposed land use change affecting 174 acres in the southwest corner of the General Plan Study Area, westerly of Interstate 215 and southerly of Scott Road. A summary of the differences between the primary Post-2035 scenario and the expanded Economic Development Corridor (EDC) Post 2035 scenario are shown below.

- Increase the EDC area
  - add 174 acres to the southwest corner of the EDC
  - increase nonretail 2,880,187 square feet

- Reduce the Rural Residential area
  - remove 4 acres of RR1 Rural Residential (1 a min) and 170 acres of RR2 Rural Residential (2 acre min)
  - reduce population by 550 persons
  - reduce total units by 89

The General Plan EDC Alternative traffic model reflects the roadway network classifications shown on Exhibit 5-3. The refined model forecast calculations for the General Plan EDC Alternative Post-2035 conditions are included in Appendix 7.6. Exhibit 7-7 presents the Average Daily Traffic Volumes expected for the General Plan EDC Alternative Post-2035 conditions. Exhibits 7-8 and 7-9 provide the General Plan EDC Alternative Post-2035 AM and PM peak hour intersection turning movement volumes.

EXHIBIT 7-7

# GENERAL PLAN EDC ALTERNATIVE (POST-2035) AVERAGE DAILY TRAFFIC (ADT)

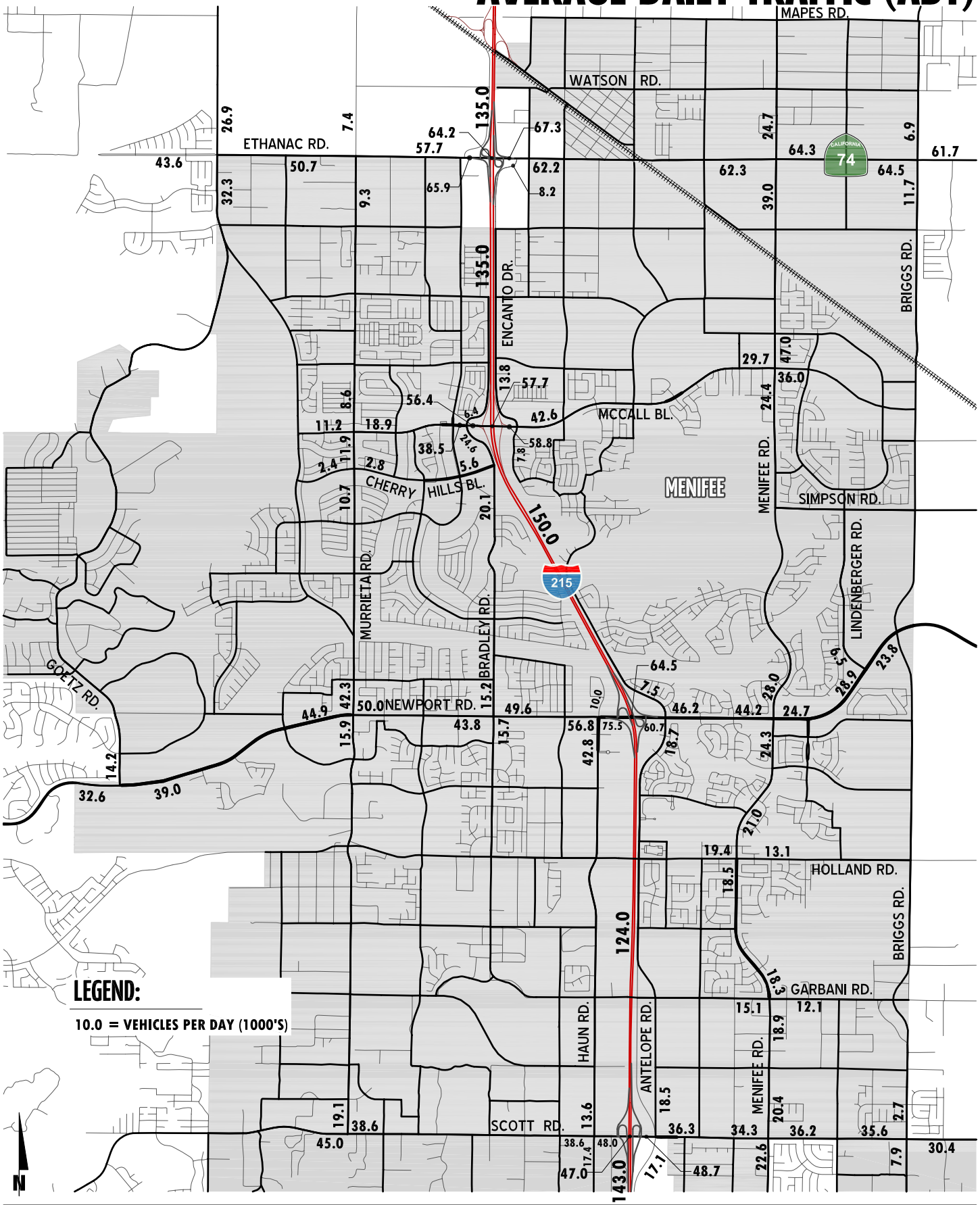
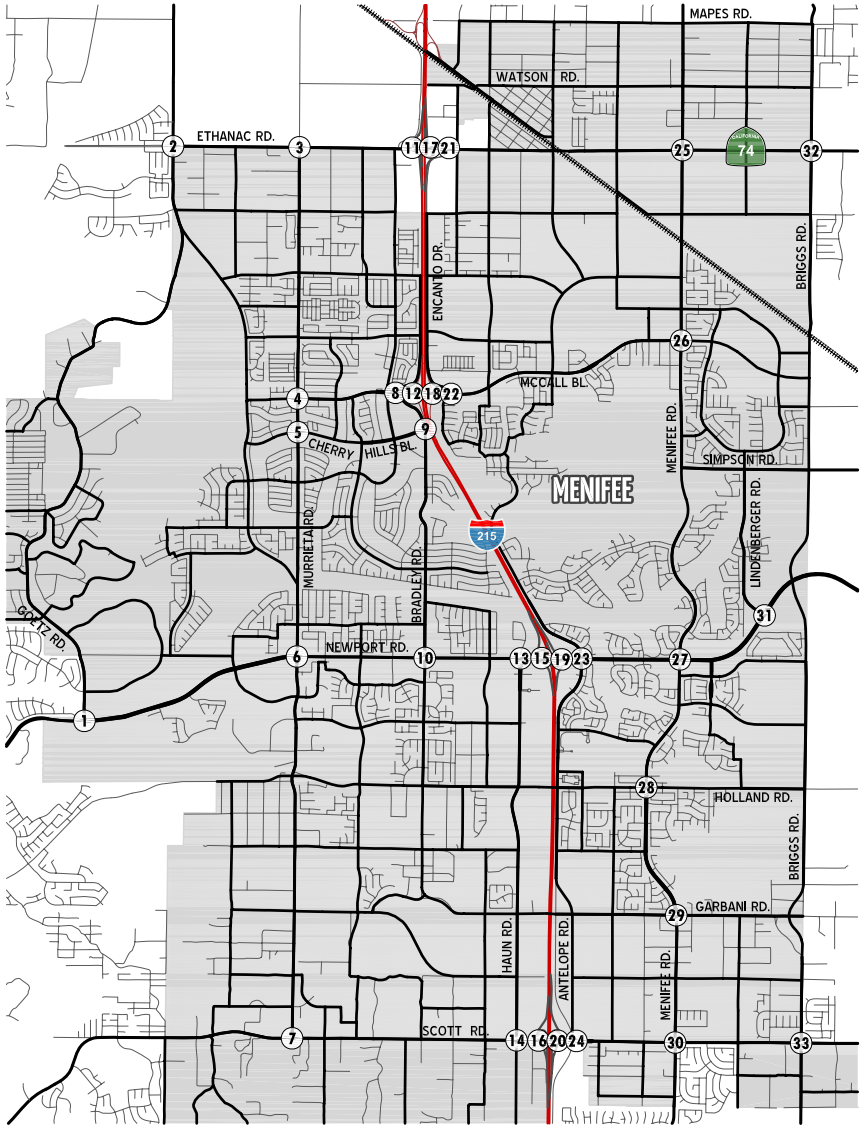


EXHIBIT 7-8

# GENERAL PLAN EDC ALTERNATIVE (POST-2035) AM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 239 | 1 | 696 |
| 193 | 864 | 10 |
| 70 | 864 | 3 |
| 15 | 3 | 25 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 576 | 323 | 553 |
| 213 | 829 | 775 |
| 97 | 1099 | 43 |
| 35 | 130 | 599 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 122 | 61 | 198 |
| 101 | 1546 | 147 |
| 3 | 1929 | 35 |
| 91 | 126 | 193 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 95 | 172 | 68 |
| 68 | 209 | 220 |
| 124 | 398 | 13 |
| 6 | 150 | 145 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 70 | 311 | 28 |
| 20 | 18 | 33 |
| 18 | 62 | 60 |
| 7 | 207 | 34 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 465 | 168 | 947 |
| 391 | 839 | 71 |
| 477 | 1248 | 54 |
| 42 | 109 | 30 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 452 | 308 | |
| 145 | 943 | |
| 226 | 1367 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 17 | 63 | 151 |
| 80 | 994 | 621 |
| 57 | 1088 | 106 |
| 89 | 52 | 524 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 43 | 430 | |
| 58 | 62 | |
| 91 | 476 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 128 | 219 | 253 |
| 185 | 856 | 269 |
| 221 | 1435 | 183 |
| 238 | 315 | 406 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 308 | 260 | |
| 327 | 2063 | |
| 2250 | 360 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 238 | 0 | 297 |
| 1457 | 653 | |
| 1486 | 277 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 42 | 51 | 90 |
| 247 | 1312 | 791 |
| 95 | 1626 | 298 |
| 190 | 47 | 513 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 61 | 186 | 454 |
| 267 | 1052 | 433 |
| 62 | 941 | 401 |
| 159 | 222 | 44 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 619 | 536 | |
| 621 | 1731 | |
| 1594 | 635 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 298 | 325 | |
| 464 | 1692 | |
| 878 | 625 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 43 | 1728 | |
| 2323 | 187 | |
| 668 | 266 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 186 | 1838 | |
| 264 | 1519 | |
| 272 | 2 | 431 |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 404 | 1826 | |
| 1652 | 478 | |
| 526 | 371 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 626 | | |
| 354 | 1530 | |
| 187 | 1016 | |
| 2 | 467 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 1723 | 171 | |
| 2489 | 100 | |
| 48 | 70 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 303 | 9 | 70 |
| 44 | 1500 | 15 |
| 204 | 1568 | 178 |
| 221 | 12 | 20 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 160 | 70 | 165 |
| 107 | 1666 | 222 |
| 77 | 1235 | 711 |
| 404 | 40 | 204 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 351 | 316 | 193 |
| 66 | 1162 | 138 |
| 150 | 1029 | 304 |
| 371 | 111 | 83 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 172 | 691 | 370 |
| 171 | 1706 | 502 |
| 193 | 1533 | 397 |
| 572 | 535 | 868 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 431 | 670 | 596 |
| 1150 | 784 | 17 |
| 622 | 674 | 153 |
| 175 | 658 | 39 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 743 | 503 | 107 |
| 171 | 816 | 312 |
| 761 | 510 | 215 |
| 158 | 338 | 157 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 354 | 540 | 79 |
| 84 | 436 | 303 |
| 152 | 215 | 61 |
| 133 | 306 | 248 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 282 | 491 | 19 |
| 8 | 249 | 74 |
| 40 | 110 | 250 |
| 326 | 424 | 117 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 162 | 372 | 278 |
| 343 | 859 | 290 |
| 104 | 751 | 88 |
| 339 | 413 | 481 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 214 | 37 | |
| 22 | 1027 | |
| 168 | 578 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

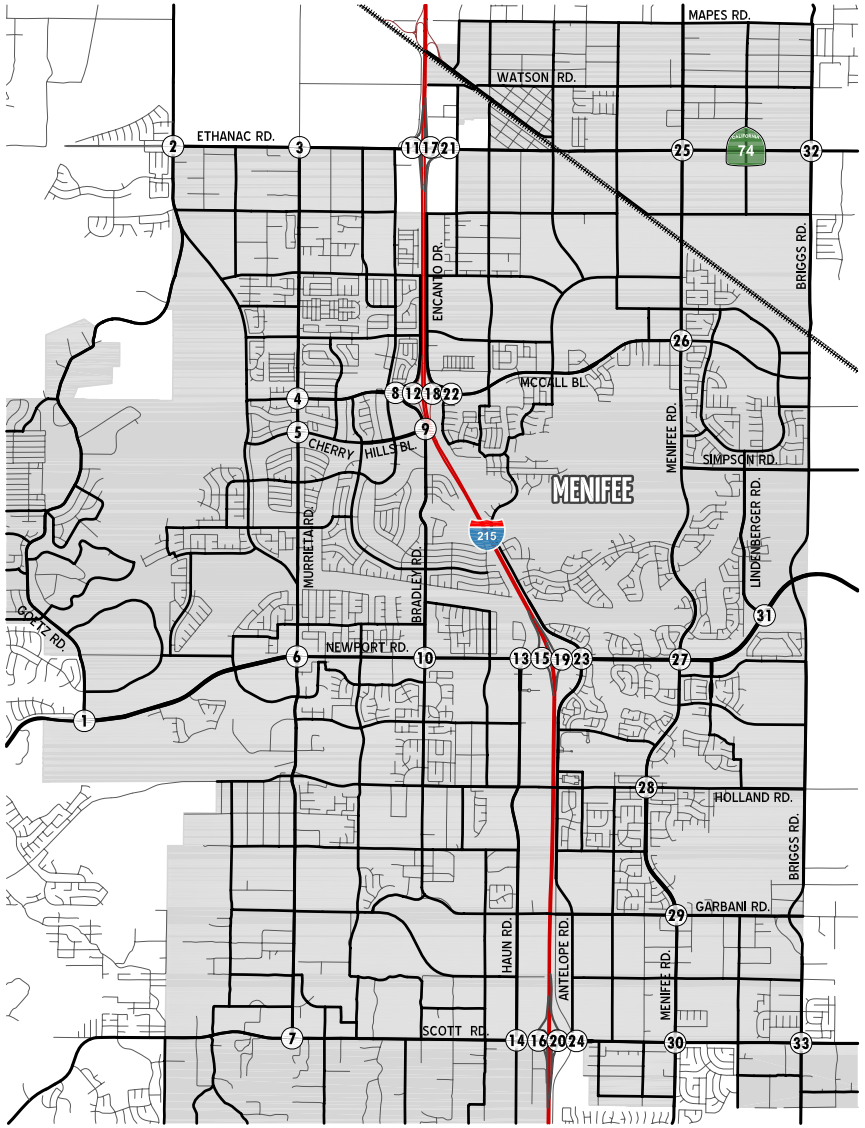
| | | |
|---|---|---|
| 255 | 128 | 189 |
| 125 | 1687 | 152 |
| 548 | 1399 | 708 |
| 438 | 130 | 101 |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 27 | 5 | 12 |
| 2 | 1363 | 6 |
| 12 | 1603 | 40 |
| 29 | 1 | 5 |

EXHIBIT 7-9

# GENERAL PLAN EDC ALTERNATIVE (POST-2035) PM PEAK HOUR INTERSECTION VOLUMES




**1 Goetz Rd. & Newport Rd.**

| | | |
|---|---|---|
| 146 | 3 | 388 |
| 761 | 985 | 34 |
| 329 | 1201 | 9 |
| 9 | 2 | 17 |

**2 Goetz Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 92 | 208 | 313 |
| 503 | 1187 | 898 |
| 89 | 637 | 49 |
| 19 | 130 | 687 |

**3 Murrieta Rd. & Ethanac Rd.**

| | | |
|---|---|---|
| 3 | 78 | 80 |
| 181 | 2225 | 265 |
| 23 | 1803 | 75 |
| 56 | 217 | 201 |

**4 Murrieta Rd. & McCall Bl.**

| | | |
|---|---|---|
| 54 | 182 | 132 |
| 165 | 302 | 233 |
| 44 | 254 | 13 |
| 2 | 214 | 244 |

**5 Murrieta Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 18 | 306 | 19 |
| 23 | 78 | 48 |
| 28 | 46 | 6 |
| 14 | 409 | 49 |

**6 Murrieta Rd. & Newport Rd.**

| | | |
|---|---|---|
| 496 | 179 | 752 |
| 951 | 1450 | 78 |
| 655 | 1023 | 43 |
| 144 | 233 | 85 |

**7 Murrieta Rd. & Scott Rd.**

| | | |
|---|---|---|
| 385 | 210 | |
| 264 | 1895 | |
| 636 | 1280 | |

**8 Bradley Rd. & McCall Bl.**

| | | |
|---|---|---|
| 53 | 91 | 296 |
| 93 | 1500 | 755 |
| 70 | 1420 | 103 |
| 125 | 80 | 917 |

**9 Bradley Rd. & Cherry Hills Bl.**

| | | |
|---|---|---|
| 76 | 565 | |
| 82 | 78 | |
| 155 | 824 | |

**10 Bradley Rd. & Newport Rd.**

| | | |
|---|---|---|
| 201 | 298 | 374 |
| 356 | 1655 | 236 |
| 203 | 1166 | 156 |
| 324 | 302 | 239 |

**11 I-215 SB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| 268 | 138 | |
| 293 | 2506 | |
| 2082 | 484 | |

**12 I-215 SB Ramps & McCall Bl.**

| | | |
|---|---|---|
| 393 | 2 | 299 |
| 1955 | 618 | |
| 1989 | 644 | |

**13 Haun Rd. & Newport Rd.**

| | | |
|---|---|---|
| 103 | 90 | 264 |
| 160 | 1736 | 1036 |
| 80 | 1556 | 491 |
| 512 | 67 | 1122 |

**14 Haun Rd. & Scott Rd.**

| | | |
|---|---|---|
| 104 | 85 | 281 |
| 420 | 1314 | 285 |
| 129 | 1526 | 250 |
| 302 | 191 | 163 |

**15 I-215 SB Ramps & Newport Rd.**

| | | |
|---|---|---|
| 676 | 512 | |
| 359 | 2256 | |
| 2270 | 672 | |

**16 I-215 SB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 226 | 405 | |
| 487 | 1888 | |
| 1714 | 572 | |

**17 I-215 NB Ramps & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 378 | 2512 | |
| 1867 | 353 | |
| 287 | 375 | |

**18 I-215 NB Ramps & McCall Bl.**

| | | |
|---|---|---|
| | | |
| 143 | 2224 | |
| 264 | 2024 | |
| 349 | 1 | 556 |

**19 I-215 NB Ramps & Newport Rd.**

| | | |
|---|---|---|
| | | |
| 396 | 1786 | |
| 1932 | 850 | |
| 829 | 707 | |

**20 I-215 NB Ramps & Scott Rd.**

| | | |
|---|---|---|
| 799 | | |
| 356 | 1576 | |
| 357 | 1762 | |
| 0 | 516 | |

**21 Encanto Dr. & Ethanac Rd.**

| | | |
|---|---|---|
| | | |
| 2529 | 44 | |
| 2126 | 116 | |
| 361 | 144 | |

**22 Encanto Dr. & McCall Bl.**

| | | |
|---|---|---|
| 213 | 16 | 26 |
| 63 | 1941 | 34 |
| 503 | 1758 | 319 |
| 213 | 20 | 37 |

**23 Antelope Rd. & Newport Rd.**

| | | |
|---|---|---|
| 108 | 64 | 32 |
| 62 | 1511 | 252 |
| 238 | 1688 | 713 |
| 563 | 109 | 372 |

**24 Antelope Rd. & Scott Rd.**

| | | |
|---|---|---|
| 325 | 121 | 158 |
| 150 | 1223 | 152 |
| 414 | 1444 | 420 |
| 384 | 336 | 188 |

**25 Menifee Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 103 | 712 | 130 |
| 218 | 1236 | 667 |
| 188 | 1676 | 512 |
| 381 | 864 | 594 |

**26 Menifee Rd. & McCall Bl.**

| | | |
|---|---|---|
| 297 | 797 | 962 |
| 804 | 713 | 42 |
| 350 | 959 | 241 |
| 209 | 867 | 49 |

**27 Menifee Rd. & Newport Rd.**

| | | |
|---|---|---|
| 754 | 356 | 103 |
| 78 | 669 | 161 |
| 780 | 885 | 131 |
| 238 | 679 | 377 |

**28 Menifee Rd. & Holland Rd.**

| | | |
|---|---|---|
| 116 | 158 | 76 |
| 148 | 295 | 26 |
| 187 | 655 | 139 |
| 79 | 989 | 92 |

**29 Menifee Rd. & Garbani Rd.**

| | | |
|---|---|---|
| 116 | 151 | 9 |
| 40 | 214 | 46 |
| 332 | 84 | 423 |
| 301 | 785 | 26 |

**30 Menifee Rd. & Scott Rd.**

| | | |
|---|---|---|
| 86 | 418 | 236 |
| 436 | 766 | 495 |
| 246 | 1114 | 516 |
| 268 | 439 | 480 |

**31 Lindenberger Rd. & Newport Rd.**

| | | |
|---|---|---|
| 200 | 37 | |
| 38 | 673 | |
| 334 | 1148 | |

**32 Briggs Rd. & SR-74 (Ethanac Rd.)**

| | | |
|---|---|---|
| 712 | 28 | 76 |
| 32 | 1467 | 40 |
| 433 | 1967 | 194 |
| 201 | 40 | 41 |

**33 Briggs Rd. & Scott Rd.**

| | | |
|---|---|---|
| 17 | 1 | 8 |
| 5 | 1569 | 4 |
| 27 | 1784 | 31 |
| 26 | 2 | 3 |

### 7.3.1 ROADWAY SEGMENT ANALYSIS

Table 7-8 provides a summary of the interim year General Plan EDC Alternative Post-2035 conditions roadway segment capacity analysis based on the capacity thresholds identified on Table 2-1. As shown on Table 7-8, 8 out of the total of 97 existing study area roadway segments are expected to exceed the average daily vehicle capacity thresholds. Based on the General Plan EDC Alternative Post-2035 conditions roadway segment analysis, the following 8 study area roadway segments may exceed the roadway capacity:

| ID | Roadway | Segment | V/C Ratio |
|---|---|---|---|
| 9 | Murrieta Road | North of Newport Rd. | 1.18 |
| 21 | Haun Road | South of Newport Rd. | 1.26 |
| 58 | McCall Boulevard | West of Bradley Rd. | 1.13 |
| 59 | McCall Boulevard | Between Bradley Rd & I-215 SB Ramp | 1.05 |
| 60 | McCall Boulevard | Between I-215 SB Ramp & I-215 NB Ramp | 1.07 |
| 61 | McCall Boulevard | Between I-215 NB Ramp & Encanto Dr. | 1.09 |
| 74 | Newport Road | West of Haun Rd. | 1.07 |
| 75 | Newport Road | Between Haun Rd. & I-215 SB Ramp | 1.09 |

The roadway segment analysis for General Plan EDC Alternative Post-2035 conditions shows that the proposed City of Menifee General Plan roadway network will provide adequate capacity to accommodate interim Post-2035 conditions on all of the study area roadway segments with eight segments potentially exceeding capacity.

As indicated in Section 2.2, the roadway segment analysis is used as a planning tool to evaluate the adequacy of existing roadway segment capacities. A v/c ratio of greater than 1.01 to 1.25 suggests that additional review is required; however, if adjacent intersections provide the lanes needed to achieve acceptable peak hour LOS, then segment capacity improvements between key intersections may not be needed. For roadway segments significantly exceeding capacity (v/c ratio > 1.25) then additional through lane roadway capacity and intersection improvements are more likely to be needed.

### 7.3.2 INTERSECTION OPERATIONS ANALYSIS

Future General Plan EDC Alternative Post-2035 peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 of this traffic study. The intersection analysis results summarized in Table 7-9 indicate that out of the 33 study area intersections:

- 29 operate at acceptable LOS D or better conditions during the peak hours
- 4 operates at unacceptable LOS E or worse conditions during the peak hours

**Table 7-8 (1 of 5)**

**General Plan EDC Alternative (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Goetz Road | 1 | North of Ethanac Rd. | 4D | Major | 34,100 | 26,900 | 0.79 | Acceptable |
| | 2 | South of Ethanac Rd. | 4D | Major | 34,100 | 32,300 | 0.95 | Approaching |
| | 3 | North of Newport Rd. | 4D | Major | 34,100 | 14,200 | 0.42 | Acceptable |
| Murrieta Road | 4 | North of Ethanac Rd. | 4U | Secondary | 25,900 | 7,400 | 0.29 | Acceptable |
| | 5 | South of Ethanac Rd. | 4U | Secondary | 25,900 | 9,300 | 0.36 | Acceptable |
| | 6 | North of McCall Bl. | 4U | Secondary | 25,900 | 8,600 | 0.33 | Acceptable |
| | 7 | Between McCall Bl. & Cherry Hills Bl. | 4U | Secondary | 25,900 | 11,900 | 0.46 | Acceptable |
| | 8 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 10,700 | 0.41 | Acceptable |
| | 9 | North of Newport Rd. | 4D | Arterial | 35,900 | 42,300 | **1.18** | **Potentially Exceeds** |
| | 10 | South of Newport Rd. | 4D | Arterial | 35,900 | 15,900 | 0.44 | Acceptable |
| | 11 | North of Scott Rd. | 4D | Arterial | 35,900 | 19,100 | 0.53 | Acceptable |
| Bradley Road | 12 | North of McCall Bl. | 4U | Secondary | 25,900 | 6,400 | 0.25 | Acceptable |
| | 13 | Between McCall Bl. & Cherry Hills Bl. | 4D | Secondary | 25,900 | 24,600 | 0.95 | Approaching |
| | 14 | South of Cherry Hills Bl. | 4U | Secondary | 25,900 | 20,100 | 0.78 | Acceptable |
| | 15 | North of Newport Rd. | 4U | Secondary | 25,900 | 15,200 | 0.59 | Acceptable |
| | 16 | South of Newport Rd. | 4D | Major | 34,100 | 15,700 | 0.46 | Acceptable |
| Encanto Road | 17 | South of Ethanac Rd. | 4D | Major | 34,100 | 8,200 | 0.24 | Acceptable |
| | 18 | North of McCall Bl. | 4D | Major | 34,100 | 13,800 | 0.40 | Acceptable |
| | 19 | South of McCall Bl. | 2U | Collector | 13,000 | 7,800 | 0.60 | Acceptable |
| Haun Road | 20 | North of Newport Rd. | 2U | Local | 13,000 | 10,000 | 0.77 | Acceptable |
| | 21 | South of Newport Rd. | 4D | Major | 34,100 | 42,800 | **1.26** | **Exceeds** |
| | 22 | North of Scott Rd. | 4D | Major | 34,100 | 13,600 | 0.40 | Acceptable |
| | 23 | South of Scott Rd | 4D | Major | 34,100 | 17,400 | 0.51 | Acceptable |

**Table 7-8 (2 of 5)**

**General Plan EDC Alternative (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Antelope Road | 24 | North of Newport Rd. | 4D | Secondary | 25,900 | 7,500 | 0.29 | Acceptable |
| | 25 | South of Newport Rd. | 4D | Major | 34,100 | 18,700 | 0.55 | Acceptable |
| | 26 | North of Scott Rd. | 4D | Major | 34,100 | 18,500 | 0.54 | Acceptable |
| | 27 | South of Scott Rd | 4D | Major | 34,100 | 17,100 | 0.50 | Acceptable |
| Menifee Road | 28 | North of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 24,700 | 0.46 | Acceptable |
| | 29 | South of SR-74 (Pinacate Rd.) | 6D | Urban | 53,900 | 39,000 | 0.72 | Acceptable |
| | 30 | North of McCall Bl. | 6D | Urban | 53,900 | 47,000 | 0.87 | Approaching |
| | 31 | Between McCall Bl. & Simpson Rd | 6D | Urban | 53,900 | 24,400 | 0.45 | Acceptable |
| | 32 | North of Newport Rd. | 4D | Arterial | 35,900 | 28,000 | 0.78 | Acceptable |
| | 33 | South of Newport Rd. | 4D | Arterial | 35,900 | 24,300 | 0.68 | Acceptable |
| | 34 | North of Holland Rd. | 4D | Arterial | 35,900 | 21,000 | 0.58 | Acceptable |
| | 35 | South of Holland Rd. | 4D | Arterial | 35,900 | 18,500 | 0.52 | Acceptable |
| | 36 | North of Garbani Rd. | 4D | Arterial | 35,900 | 18,300 | 0.51 | Acceptable |
| | 37 | South of Garbani Rd. | 4D | Arterial | 35,900 | 18,900 | 0.53 | Acceptable |
| | 38 | North of Scott Rd. | 4D | Arterial | 35,900 | 20,400 | 0.57 | Acceptable |
| | 39 | South of Scott Rd | 4D | Arterial | 35,900 | 22,600 | 0.63 | Acceptable |
| Lindenberger Road | 40 | North of Newport Rd. | 4U | Secondary | 25,900 | 6,500 | 0.25 | Acceptable |
| Briggs Road | 41 | North of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 6,900 | 0.20 | Acceptable |
| | 42 | South of SR-74 (Pinacate Rd.) | 4D | Major | 34,100 | 11,700 | 0.34 | Acceptable |
| | 43 | North of Scott Rd. | 4D | Major | 34,100 | 2,700 | 0.08 | Acceptable |
| | 44 | South of Scott Rd | 4D | Major | 34,100 | 7,900 | 0.23 | Acceptable |

**Table 7-8 (3 of 5)**

**General Plan EDC Alternative (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| SR-74 (Ethanac/Pinacate Road) | 45 | West of Goetz Rd. | 6D | Expressway | 61,300 | 43,600 | 0.71 | Acceptable |
| | 46 | Between Goetz Rd & Murrieta Rd. | 6D | Expressway | 61,300 | 50,700 | 0.83 | Approaching |
| | 47 | East of Murrieta Rd. | 6D | Expressway | 61,300 | 57,700 | 0.94 | Approaching |
| | 48 | West of I-215 SB Ramp | 8D | Expressway | 81,700 | 65,900 | 0.81 | Approaching |
| | 49 | Between I-215 SB Ramp & I-215 NB Ramp | 8D | Expressway | 81,700 | 64,200 | 0.79 | Acceptable |
| | 50 | Between I-215 NB Ramp & Encanto Dr. | 8D | Expressway | 81,700 | 67,300 | 0.82 | Approaching |
| | 51 | East of Encanto Dr. | 8D | Expressway | 81,700 | 62,200 | 0.76 | Acceptable |
| | 52 | West of Menifee Rd. | 8D | Expressway | 81,700 | 62,300 | 0.76 | Acceptable |
| | 53 | East of Menifee Rd. | 8D | Expressway | 81,700 | 64,300 | 0.79 | Acceptable |
| | 54 | West of Briggs Rd. | 8D | Expressway | 81,700 | 64,500 | 0.79 | Acceptable |
| | 55 | East of Briggs Rd. | 8D | Expressway | 81,700 | 61,700 | 0.76 | Acceptable |
| McCall Boulevard | 56 | West of Murrieta Rd. | 4D | Major | 34,100 | 11,200 | 0.33 | Acceptable |
| | 57 | East of Murrieta Rd. | 4D | Major | 34,100 | 18,900 | 0.55 | Acceptable |
| | 58 | West of Bradley Rd. | 4D | Major | 34,100 | 38,500 | **1.13** | **Potentially Exceeds** |
| | 59 | Between Bradley Rd & I-215 SB Ramp | 6D | Urban | 53,900 | 56,400 | **1.05** | **Potentially Exceeds** |
| | 60 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 57,700 | **1.07** | **Potentially Exceeds** |
| | 61 | Between I-215 NB Ramp & Encanto Dr. | 6D | Urban | 53,900 | 58,800 | **1.09** | **Potentially Exceeds** |
| | 62 | East of Encanto Dr. | 6D | Urban | 53,900 | 42,600 | 0.79 | Acceptable |
| | 63 | West of Menifee Rd. | 6D | Urban | 53,900 | 29,700 | 0.55 | Acceptable |
| | 64 | East of Menifee Rd. | 6D | Urban | 53,900 | 36,000 | 0.67 | Acceptable |

**Table 7-8 (4 of 5)**

**General Plan EDC Alternative (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Cherry Hills Boulevard | 65 | West of Murrieta Rd. | 2U | Collector | 13,000 | 2,400 | 0.18 | Acceptable |
| | 66 | East of Murrieta Rd. | 4D | Secondary | 25,900 | 2,800 | 0.11 | Acceptable |
| | 67 | West of Bradley Rd. | 4D | Secondary | 25,900 | 5,600 | 0.22 | Acceptable |
| Newport Road | 68 | West of Goetz Rd. | 6D | Urban | 53,900 | 32,600 | 0.60 | Acceptable |
| | 69 | East of Goetz Rd. | 6D | Urban | 53,900 | 39,000 | 0.72 | Acceptable |
| | 70 | West of Murrieta Rd. | 6D | Urban | 53,900 | 44,900 | 0.83 | Approaching |
| | 71 | East of Murrieta Rd. | 6D | Urban | 53,900 | 50,000 | 0.93 | Approaching |
| | 72 | West of Bradley Rd. | 6D | Urban | 53,900 | 43,800 | 0.81 | Approaching |
| | 73 | East of Bradley Rd. | 6D | Urban | 53,900 | 49,600 | 0.92 | Approaching |
| | 74 | West of Haun Rd. | 6D | Urban | 53,900 | 56,800 | **1.05** | **Potentially Exceeds** |
| | 75 | Between Haun Rd. & I-215 SB Ramp | 8D | Urban | 71,800 | 75,500 | **1.05** | **Potentially Exceeds** |
| | 76 | Between I-215 SB Ramp & I-215 NB Ramp | 8D | Urban | 71,800 | 64,500 | 0.90 | Approaching |
| | 77 | Between I-215 NB Ramp & Antelope Rd. | 8D | Urban | 71,800 | 60,700 | 0.85 | Approaching |
| | 78 | East of Antelope Rd. | 6D | Urban | 53,900 | 46,200 | 0.86 | Approaching |
| | 79 | West of Menifee Rd. | 6D | Urban | 53,900 | 44,200 | 0.82 | Approaching |
| | 80 | East of Menifee Rd. | 6D | Urban | 53,900 | 24,700 | 0.46 | Acceptable |
| | 81 | West of Lindenberger Rd. | 6D | Urban | 53,900 | 28,900 | 0.54 | Acceptable |
| | 82 | East of Lindenberger Rd. | 6D | Urban | 53,900 | 23,800 | 0.44 | Acceptable |
| Holland Road | 83 | West of Menifee Rd. | 4D | Major | 34,100 | 19,400 | 0.57 | Acceptable |
| | 84 | East of Menifee Rd. | 4D | Major | 34,100 | 13,100 | 0.38 | Acceptable |
| Garbani Road | 85 | West of Menifee Rd. | 4D | Major | 34,100 | 15,100 | 0.44 | Acceptable |
| | 86 | East of Menifee Rd. | 4D | Major | 34,100 | 12,100 | 0.35 | Acceptable |

**Table 7-8 (5 of 5)**

**General Plan EDC Alternative (Post-2035) Roadway Segment Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Menifee Class | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|---|
| Scott Road | 87 | West of Murrieta Rd. | 6D | Urban | 53,900 | 45,000 | 0.83 | Approaching |
| | 88 | East of Murrieta Rd. | 6D | Urban | 53,900 | 38,600 | 0.72 | Acceptable |
| | 89 | West of Haun Rd. | 6D | Urban | 53,900 | 38,600 | 0.72 | Acceptable |
| | 90 | Between Haun Rd. & I-215 SB Ramp | 6D | Urban | 53,900 | 48,000 | 0.89 | Approaching |
| | 91 | Between I-215 SB Ramp & I-215 NB Ramp | 6D | Urban | 53,900 | 47,000 | 0.87 | Approaching |
| | 92 | Between I-215 NB Ramp & Antelope Rd. | 6D | Urban | 53,900 | 48,700 | 0.90 | Approaching |
| | 93 | East of Antelope Rd. | 6D | Urban | 53,900 | 36,300 | 0.67 | Acceptable |
| | 94 | West of Menifee Rd. | 6D | Urban | 53,900 | 34,300 | 0.64 | Acceptable |
| | 95 | East of Menifee Rd. | 6D | Urban | 53,900 | 36,200 | 0.67 | Acceptable |
| | 96 | West of Briggs Rd. | 6D | Urban | 53,900 | 35,600 | 0.66 | Acceptable |
| | 97 | East of Briggs Rd. | 6D | Urban | 53,900 | 30,400 | 0.56 | Acceptable |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Cacacity", 1.26+ = "Exceeds Capacity"

## Table 7-9

## General Plan EDC Alternative (Post-2035) Intersection Analysis

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Delay[2] (secs.) | | Level of Service | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | | | | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 1 | Goetz Rd / Newport Rd | TS | 1 | 1 | 0 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 1> | 31.3 | 39.4 | C | D |
| 2 | Goetz Rd / Ethanac Rd | TS | 2 | 2 | 1> | 2 | 2 | 1> | 2 | 3 | d | 2 | 3 | d | 47.5 | 42.8 | D | D |
| 3 | Murrieta Rd / Ethanac Rd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 3 | d | 2 | 3 | d | 46.7 | 49.3 | D | D |
| 4 | Murrieta Rd / McCall Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 26.2 | 26.6 | C | C |
| 5 | Murrieta Rd / Cherry Hills Blvd | TS | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 23.5 | 24.0 | C | C |
| 6 | Murrieta Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1> | 2 | 3 | 1 | 2 | 3 | 1> | 36.9 | 50.8 | D | D |
| 7 | Murrieta Rd / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 1> | 2 | 3 | 0 | 0 | 3 | 1 | 19.8 | 32.9 | B | C |
| 8 | Bradley Rd / McCall Blvd | TS | 1 | 2 | 1> | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 42.6 | ***>80.0*** | D | ***F*** |
| 9 | Bradley Rd / Cherry Hills Blvd | TS | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 14 | 15 | B | B |
| 10 | Bradley Rd / Newport Rd | TS | 2 | 2 | 1> | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 39.2 | 42 | D | D |
| 11 | I-215 Southbound Ramps / Ethanac Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 4 | 1>> | 11.8 | 9 | B | A |
| 12 | I-215 Southbound Ramps / McCall Blvd | TS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1>> | 2 | 3 | 0 | 20.2 | 29.2 | C | C |
| 13 | Haun Rd / Newport Rd | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | ***>80.0*** | ***>80*** | ***F*** | ***F*** |
| 14 | Haun Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 45.5 | 41.8 | D | D |
| 15 | I-215 Southbound Ramps / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 1>> | 0 | 3 | 1>> | 14.6 | 13.9 | B | B |
| 16 | I-215 Southbound Ramps / Scott Rd | TS | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 1>> | 0 | 3 | 2 | 7.7 | 7.5 | A | A |
| 17 | I-215 Northbound Ramps / Ethanac Rd | TS | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 1>> | 0 | 4 | 1>> | 11.6 | 12.3 | B | B |
| 18 | I-215 Northbound Ramps / McCall Blvd | TS | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 3 | 1>> | 20.5 | 27.3 | C | C |
| 19 | I-215 Northbound Ramps / Newport Rd | TS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1>> | 0 | 4 | 1>> | 15.2 | 18.5 | B | B |
| 20 | I-215 Northbound Ramps / Scott Rd | TS | 0 | 1 | 2 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 1 | 15.3 | 15.0 | B | B |
| 21 | Encanto Dr / Ethanac Rd | TS | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 4 | 0 | 31.0 | 23.5 | C | C |
| 22 | Encanto Dr / McCall Blvd | TS | 1 | 1 | 0 | 2 | 1 | 1> | 2 | 3 | 1 | 1 | 3 | 1 | 34.7 | 54.9 | C | D |
| 23 | Antelope Rd / Newport Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | 34.5 | 37.1 | C | D |
| 24 | Antelope Rd / Scott Rd | TS | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 3 | 1 | 38.1 | 43.1 | D | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | ***61.8*** | 47.1 | ***F***[4] | D |
| 26 | Menifee Rd / McCall Blvd | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | ***>80.0*** | 45.6 | ***F*** | D |
| 27 | Menifee Rd / Newport Rd | TS | 2 | 2 | 1> | 2 | 2 | 1> | 2 | 3 | 1 | 2 | 3 | 1 | 39.4 | 39.8 | D | D |
| 28 | Menifee Rd / Holland Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 29.7 | 33.3 | C | C |
| 29 | Menifee Rd / Garbani Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 29.8 | 37.9 | C | D |
| 30 | Menifee Rd / Scott Rd | TS | 2 | 2 | 1> | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 35.1 | 45.1 | D | D |
| 31 | Lindenberger Rd / Newport Rd | TS | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 0 | 0 | 3 | 1 | 20.6 | 21.7 | C | C |
| 32 | Briggs Rd / SR-74 (Pinacate Rd.) | TS | 2 | 2 | 1 | 2 | 2 | 1> | 2 | 4 | 1> | 2 | 4 | 1 | 46.7 | 44.3 | D | D |
| 33 | Briggs Rd / Scott Rd | TS | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 31.7 | 33.9 | C | C |

1 When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane

2 Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 Ramp Locations have been analyzed utilizing the Synchro software.

3 TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

4 Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

**BOLD** = Unsatisfactory level of service.

The General Plan EDC Alternative Post-2035 peak hour conditions analysis show that the following intersection location will experience unacceptable LOS E or worse conditions during one or both of the peak hours.

| ID | Intersection Location | AM | PM |
|---|---|---|---|
| 8 | Bradley Road / McCall Boulevard | D | F |
| 13 | Haun Road / Newport Road | F | F |
| 25 | Menifee Road / SR-74 (Pinacate Road) | F | D |
| 26 | Menifee Road / McCall Boulevard | F | D |

The General Plan EDC Alternative Post-2035 conditions intersection operations analysis worksheets are included in Appendix 7.7 of this traffic study. Table 7-10 identifies the additional lane requirements needed to mitigate the unacceptable peak hour LOS. The intersection analysis with improvements are included in Appendix 7.8.

### 7.3.3 I-215 MAINLINE CAPACITY ANALYSIS

Table 7-11 provides a summary of the General Plan EDC Alternative Post-2035 I-215 Mainline Capacity Analysis. As shown on Table 7-11, with the planned widening of the I-215 in 2015, the planned 6-lane freeway is generally expected to exceed the average daily vehicle capacity threshold.

### 7.3.4 VEHICLE MILES TRAVELLED (VMT)

For Post-2035 conditions with the General Plan EDC Alternative, VMT datasets have been extracted for the traffic analysis zones which encompass the City of Menifee. It is also important to recognize that each trip has two ends and in order to calculate the VMT for the City of Menifee all trip types need to be accurately described. The VMT for the City of Menifee includes the following:

- 100% of the internal to internal trips
- 50% of the internal to external trips
- 50% of the external to internal trips
- 0% of the external to external trips

VMT datasets have been extracted for all trips starting and/or stopping in the traffic analysis zones which encompass the City of Menifee. All shopping, recreational, social, and work related trips contribute to the VMT estimates. On an average daily basis, the following quantities of vehicle miles travelled are projected to occur for buildout conditions:

- AM Peak Period – 1,126,000
- Mid Day Period – 1,819,000
- PM Peak Period – 1,903,000

## Table 7-10

## General Plan EDC Alternative (Post-2035) Intersection Analysis, With Improvements

| # | Intersection | Traffic Control[3] | Intersection Approach Lanes[1] | | | | | | | | | | | | Delay[2] (secs.) | | Level of Service | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northbound | | | Southbound | | | Eastbound | | | Westbound | | | | | | |
| | | | L | T | R | L | T | R | L | T | R | L | T | R | AM | PM | AM | PM |
| 8 | Bradley Rd / McCall Blvd | | | | | | | | | | | | | | | | | |
| | - Without Mitigation | TS | 1 | 2 | 1> | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 42.6 | ***>80.0*** | D | ***F*** |
| | - With Mitigation | TS | 1 | 2 | **2>** | 1 | 2 | 1 | 2 | **3** | 1 | 2 | **3** | 1 | 34.7 | 45.4 | C | D |
| 13 | Haun Rd / Newport Rd | | | | | | | | | | | | | | | | | |
| | - Without Mitigation | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | 3 | 1> | 2 | 3 | 1 | ***>80.0*** | ***>80*** | ***F*** | ***F*** |
| | - With Mitigation[5] | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | **4** | 1> | 2 | **4** | 1 | ***55.8*** | ***77.7*** | ***E*** | ***E*** |
| | - With Additonal Mitigation[6] | TS | 2 | 1 | 2> | 2 | 1 | 1 | 2 | **4** | 1> | 2 | **4** | 1 | 26.5 | 39.3 | C | D |
| 25 | Menifee Rd / SR-74 (Pinacate Rd.) | | | | | | | | | | | | | | | | | |
| | - Without Mitigation | TS | 2 | 3 | 1> | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | ***61.8*** | 47.1 | ***F***[4] | D |
| | - With Mitigation | TS | 2 | 3 | **2>** | 2 | 3 | 1 | 2 | 4 | 1> | 2 | 4 | 1 | 46.7 | 46.1 | D | D |
| 26 | Menifee Rd / McCall Blvd | | | | | | | | | | | | | | | | | |
| | - Without Mitigation | TS | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1> | ***>80.0*** | 45.6 | ***F*** | D |
| | - With Mitigation | TS | 2 | 3 | 1 | 2 | 3 | **1>** | 2 | 3 | 1 | 2 | 3 | **2>** | 40.0 | 42.9 | D | D |

1 When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; >> = Free-Right Turn Lane; d= Defacto Right Turn Lane; **1** = Improvement

2 Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown. The I-215 Ramp Locations have been analyzed utilizing the Synchro software.

3 TS = Traffic Signal; AWS = All Way Stop; CSS = Cross-street Stop

4 Volume-to-capacity ratio is greater than 1.00; Intersection unstable; Level of Service "F".

5 In addition to the lane improvements shown, the removal of the southbound crosswalk (west leg) is recommended.

6 In addition to the lane improvements shown, the removal of both the northbound (east leg) and southbound (west leg) crosswalks is recommended.

**BOLD** = Unsatisfactory level of service.

**Table 7-11**

**General Plan EDC Alternative (Post-2035) I-215 Mainline Analysis**

| Roadway | ID | Segment | Through Travel Lanes | Estimated Daily Capacity[1] | EDC Post 2035 ADT | Volume/ Capacity Ratio | Average Daily Vehicle Capacity Threshold[2] |
|---|---|---|---|---|---|---|---|
| I-215 | 1 | North of SR-74 (Ethanac Road) | 6D | 117,500 | 135,000 | **1.15** | **Potentially Exceeds** |
| | 2 | SR-74 (Ethanac Road) to McCall Boulevard | 6D | 117,500 | 135,000 | **1.15** | **Potentially Exceeds** |
| | 3 | McCall Boulevard to Newport Road | 6D | 117,500 | 150,000 | **1.28** | **Exceeds** |
| | 4 | Newport Road to Scott Road | 6D | 117,500 | 124,000 | **1.06** | **Potentially Exceeds** |
| | 5 | South of Scott Road | 6D | 117,500 | 143,000 | **1.22** | **Potentially Exceeds** |

[1] Source: County of Riverside General Plan Circulation Element Link Volume Capacities/Level of Service, March 2001.

[2] The Average Daily Vehicle Capacity Threshold is determined by the following V/C ratio range: 0.00 - 0.79 = "Acceptable", 0.80 - 1.00 = "Approaching Capacity", 1.01 - 1.25 = "Potentially Exceeds Capacity", 1.26+ = "Exceeds Capacity"

- Nighttime Period – 1,265,000

Based upon RivTAM, the City of Menifee produces a total of approximately 6,113,000 VMT per day for Post-2035 conditions with the General Plan EDC Alternative. This level of activity is generated by an assumed service population of 286,973, consisting of 171,540 residents and 115,433 employees within the city.

The Post-2035 dataset with the General Plan EDC Alternative further improves the balance of jobs and housing within the city in comparison to the Proposed Menifee General Plan, and significantly improves the jobs/housing balance in comparison to existing and RCIP 2035 datasets that indicate a shortfall of local jobs. The Post-2035 per capita VMT with the General Plan EDC Alternative is therefore 46% lower than the RCIP 2035 scenario (slightly more than 21 vehicle miles per day per resident/employee).

# 8.0 GOALS AND POLICIES

Menifee's vision is that there will be more circulation options as the City and the region grow. Personal vehicles will continue to provide individual mobility and flexibility for travel, though fuel systems will change and guidance technology will become more sophisticated. The circulation roadway system will be coordinated with future land use patterns and levels of buildout.

## 8.1 ROADWAY NETWORK

The City of Menifee Roadway Network (Exhibit 5-3) presents the entire roadway plan. In addition to the functional roadway classifications, the plan identifies Enhanced Intersection locations (additional lanes/right-of-way required within 600 feet of the intersection) and Connectivity Analysis Zones (roadway alignments, intersections geometrics and traffic control features subject to future assessment).

***Goal C1:*** ***A roadway network that meets the circulation needs of all residents, employees and visitors to the City of Menifee.***

**Policies**

C-1.1 Require roadways to:

- Comply with federal, state and local design and safety standards.
- Meet the needs of multiple transportation modes and users.
- Be compatible with the streetscape and surrounding land uses.
- Be maintained in accordance with best practices.

C-1.2 Require development to mitigate its traffic impacts and achieve a peak hour Level of Service (LOS) D or better at intersections, except at constrained intersections at close proximity to the I-215 where LOS E may be permitted.

C-1.3 Work with Caltrans, RCTC and others to identify, fund and implement needed improvements to roadways identified in the Citywide Roadway Network.

C-1.4 Promote development of local street patterns that unify neighborhoods, and we work with neighboring jurisdictions to provide compatible roadway linkages at the City limits.

C-1.5 Minimize idling times and vehicle miles traveled to conserve resources, protect air quality, and limit greenhouse gas emissions.

## 8.2 BICYLCES AND PEDESTRIANS

The Menifee Bikeway and Community Pedestrian Network (Exhibit 5-6) works in conjunction with the Menifee General Plan Roadway Network to provide a framework for key routes and facilities that will enhance connectivity for all users. The layered networks enable travel by various modes to schools,

civic and county facilities, hospitals, libraries, major parks and recreation areas, colleges, malls and other retail centers, and employment districts. In Menifee, walking and bicycling contribute to an efficient mode of transportation and promote a healthy lifestyle. Development patterns, a mix of land uses and the design of our roadways, buildings and development sites are an integral part of the pedestrian and bicycle system.

***Goal C2:*** ***A bikeway and community pedestrian network that facilitates and encourages non-motorized travel throughout the City of Menifee.***

**Policies**

C-2.1 Require on- and off-street pathways to:

- Comply with federal, state and local design and safety standards.
- Meet the needs of multiple types of users (families, commuters, recreational beginners, exercise experts), and meet ADA standards and guidelines.
- Be compatible with the streetscape and surrounding land uses.
- Be maintained in accordance with best practices.

C-2.2 Provide off-street multipurpose trails and on-street bike lanes as our primary paths of citywide travel, and explore the shared use of low speed roadways for connectivity wherever it is safe to do so.

C-2.3 Require walkways that promote safe and convenient travel between residential areas, businesses, schools, parks, recreation areas, transit facilities, and other key destination points.

C-2.4 Explore opportunities to expand the pedestrian and bicycle networks; this includes consideration of utility easements, drainage corridors, road right-of-ways and other potential options.

C-2.5 Work with the Western Riverside Council of Governments to implement the Non-Motorized Transportation Plan for Western Riverside County.

## 8.3 PUBLIC TRANSIT

The network of potential transit services shown on Exhibit 5-7: Potential Transit Services, works in conjunction with the proposed Menifee General Plan Roadway Network and the proposed Menifee Bikeway and Community Pedestrian Network to provide a framework for key routes and facilities that will further enhance connectivity for all users. The Riverside Transit Agency (RTA) provides fixed route and Dial-A-Ride bus service within the City of Menifee and neighboring jurisdictions. As the City of Menifee grows, transit nodes or transit centers may be considered to facilitate commuter express bus service, fixed route bus service, future connections to Perris Valley Metrolink stations and carpools. Though the development and operation of most public transit services and facilities are outside the City's authority, the City actively promotes transit through sound land planning, urban design, and active participation in regional transportation agencies.

***Goal C3:*** ***A public transit system that is a viable alternative to automobile travel and meets basic transportation needs of the transit dependent.***

**Policies**

C-3.1 Maintain a proactive working partnership with transit providers to ensure that adequate public transit service is available.

C-3.2 Require new development to provide transit facilities, such as bus shelters, transit bays and turnouts, as necessary.

C-3.3 Provide additional development-related incentives to those inherent in the Land Use Plan for projects that promote transit use.

C-3.4 Advocate expansion of Metrolink service to the area.

C-3.5 Work with regional transit agencies to secure convenient feeder service from the Metrolink station to employment districts and transit nodes in Menifee.

C-3.6 Require the future development of community-wide facilities, such as libraries, schools, parks, and community centers, to be sited in transit-ready areas that can be served and made accessible by public transit. Conversely, plan (and coordinate with other transit agencies to plan) future transit routes to serve existing community facilities.

## 8.4 NEIGHBORHOOD ELECTRIC VEHICLES/GOLF CARTS

Golf carts provide a reliable, environmentally friendly way to travel within a defined network to shop, visit and explore. Neighborhood Electric Vehicles (NEVs) are a relatively recent mode choice within the low speed vehicle (LSV) family that is gaining attention and expanding travel choices. NEVs and golf carts have similar characteristics but also contain important differences, including the types of roadway they can operate on and how they are regulated. The network of potential NEV routes shown on Exhibit 5-8: Potential Neighborhood Electric Vehicle Network, works in conjunction with the proposed Menifee General Plan Roadway Network and the proposed Menifee Bikeway and Community Pedestrian Network to provide a framework for low speed vehicle usage.

***Goal C4:*** ***Diversified local transportation options that include Neighborhood Electric Vehicles and golf carts.***

**Policies**

C-4.1 Encourage the use of neighborhood electric vehicles (NEVs) and golf carts instead of automobiles for local trips.

## 8.5 GOODS MOVEMENT

The movement of goods to and through Menifee is critical to our economy, enabling growth of industrial and transportation-related businesses in the City and region. However, trucks generate noise and air pollutants and contribute to traffic congestion along roadways. Designated truck routes through the City of Menifee are illustrated on Exhibit 5-9: Truck Routes. Truck routes are established to designate specific roadways on which trucks may travel within and through the City. These routes direct trucks away from streets which are inappropriate or inadequate to serve substantial truck traffic. Trucks are allowed to access locations on other general plan roads and local streets for site deliveries (i.e. goods delivery or moving vans); however, they must take the most direct route to and from the designated truck routes.

***Goal C5: An efficient flow of goods through the City that maximizes economic benefits and minimizes negative impacts.***

**Policies**

C-5.1 Designate and maintain a network of City truck routes that provide for the effective transport of goods while minimizing negative impacts on local circulation and noise-sensitive land uses.

C-5.2 Work with regional and subregional transportation agencies to plan and implement goods movement strategies, including those that improve mobility, deliver goods efficiently and minimize negative environmental impacts.

C-5.3 Support efforts to reduce/eliminate the negative environmental impacts of goods movement.

## 8.6 SCENIC HIGHWAYS

The City of Menifee contains a multitude of natural visual resources, including low-lying valleys, mountains, and rock formations. These features are often enjoyed via the City's roadways. Due to the visual significance of many of these areas, several roadways in Menifee have been officially recognized as Eligible County Scenic Highways. Eligible County Scenic Highways are county highways that have outstanding scenic qualities; although there is no official list of county highways eligible for scenic designation (as there is with state highways), they are considered eligible and do not require legislative action (like state highways do). The status of a proposed County Scenic Highway changes from eligible to officially designated when the local governing body applies to Caltrans for scenic highway approval, adopts a Corridor Protection Program, and receives notification that the highway has been officially designated a Scenic Highway.

Scenic highways provide the motorist with views of distinctive natural characteristics that are not typical of other areas in the region. Designating these roadways as "scenic highways" memorizes the City's intent to conserve its significant scenic resources for future generations and to manage development adjacent to these roadways so that it will not detract from the area's natural characteristics. There are three County Eligible Scenic Highways in the City of Menifee: I-215 from McCall Boulevard south to the

City boundary; McCall Boulevard from I-215 on the west to Menifee Road on the east; and Menifee Road from McCall Boulevard north to the City boundary.

***Goal C6:*** ***Scenic highway corridors that are preserved and protected from change which would diminish the aesthetic value of lands adjacent to the designated routes.***

**Policies**

C-6.1 Design developments within designated scenic highway corridors to balance the objectives of maintaining scenic resources with accommodating compatible land uses.

C-6.2 Work with federal, state, and County agencies, and citizen groups to ensure compatible development within scenic corridors.

C-6.3 Utilize design and land development strategies to gradually transition graded road slopes into a natural configuration consistent with the topography of the areas within scenic highway corridors.

C-6.4 Incorporate riding, hiking, and bicycle trails and other compatible public recreational facilities within scenic corridors.

C-6.5 Ensure that the design and appearance of new landscaping, structures, equipment, signs, or grading within Eligible County scenic highway corridors are compatible with the surrounding scenic setting or environment.

# 9.0 IMPLEMENTATION

To satisfy the City of Menifee's goals and policies to provide for more circulation options, implementation measures were developed for each of the "layered networks". Table 9-1 describes the implementation measures needed to accomplish the City of Menifee's General Plan Circulation Element Goals and Policies.

The proposed Menifee General Plan Roadway Network (see Exhibit 5-3) is designed to accommodate other "layered" networks of bicycle routes and pedestrian accommodations, transit services, neighborhood electric vehicle (NEV)/golf cart routes, truck routes and scenic highways. The roadway network has been evaluated in terms of long range future capacity requirements using the Riverside County Transportation Analysis Model (RivTAM), which takes into consideration the cumulative growth of adjacent Cities and unincorporated County areas. The proposed Menifee Circulation Plan maintains network continuity with the Riverside County General Plan Circulation Element at the Plan boundaries.

The focused analysis area for the City of Menifee General Plan Traffic Study is the incorporated City limits. This approach is consistent with other General Plans prepared in the western Riverside County region including traffic studies for the City of Perris, City of Hemet, City of Murrieta and City of Lake Elsinore General Plans. As part of the City of Menifee's General Plan, the City evaluated future intersection levels of service (LOS) for the potential to exceed the City's traffic standards. The General Plan Circulation Element Traffic Study analyzed the levels of service within the City on roadways segments and intersections for the existing (2012) conditions, one interim year scenario (RCIP 2035), and two separate buildout (Post-2035) scenarios. Cumulative development projected to occur outside the City has been incorporated through use RivTAM.

Although the General Plan Circulation Element Traffic Study does not specifically address intersections located outside the City of Menifee, these intersections have been analyzed in prior traffic studies for specific plans in the City and appropriate mitigation has been required. As these specific plans develop, each developer will be required to fund or complete transportation improvements necessary to mitigate traffic impacts, including impacts to intersections in adjacent cities and Riverside County. Additionally, future traffic impact analyses required for individual development projects in the City would be required to identify the project study area where potential traffic impacts associated with the new development could occur. If the study area includes intersections and roadway segments in adjacent jurisdictions, future development projects would be required to evaluate traffic impacts. Traffic impacts identified by individual development projects in the City of Menifee would be required to implement or contribute to improvements in adjacent jurisdictions impacted by the project.

The primary implementing programs of the existing Riverside County Integrated Project (RCIP), adopted by the City of Menifee at incorporation, are proposed to remain in place or be augmented by the proposed City of Menifee General Plan Circulation Element. These programs include monitoring of land use changes that affect the circulation system, network connectivity, and interagency cooperation.

**Table 9-1**

| Action | Topic | Implementation Action | Responsible Department | Timing | Resources Required to Complete |
|---|---|---|---|---|---|
| Roadway Network | | | | | |
| Action C1 | Roadway Network | Require street dedications from new development projects that are consistent with the right-of- way width identified by the General Plan, including additional right-of-way for those development projects located adjacent to Enhanced Intersection locations, as identified in Exhibit 5-3: Roadway Network. | Community Development and Engineering Departments | Ongoing | Adequate staff resources |
| Action C2 | Roadway Network | Resolve the roadway alignments, intersections geometrics and traffic control features within the Connectivity Analysis Zones identified in Exhibit 5-3: Roadway Network prior to approval of new development projects which significantly impact or constrain alignment alternatives in those zones. | Community Development and Engineering Departments | Ongoing | Adequate staff resources |
| Action C3 | Roadway Network | Develop master plans for scenic preservation and high-speed, limited vehicular access for Ethanac Road/Highway 74, Newport Road/Domenigoni Parkway, and Bundy Canyon Road/Scott Road as they traverse from the western to the eastern City boundaries. | Community Development and Engineering Departments | Short term (5 years) | Adequate staff resources |
| Action C4 | Roadway Network | Require Traffic Impact Analysis for new development projects to identify specific mitigation to traffic impacts generated by the new development. Traffic Impact Analyses shall be submitted in a format acceptable to the City Engineer and be subject to his/her review and approval. | Community Development and Engineering Departments | Ongoing | Adequate staff resources |
| Action C5 | Roadway Network | Require adequate drop-off and pick-up facilities at all new schools for the safety of school children, and to minimize traffic congestion. | Community Development and Public Works Departments | Ongoing | Adequate staff resources |
| Action C6 | Roadway Network | Develop rural street section standards for areas where full street improvements (e.g., curb, gutter or sidewalk) do not exist, where it is determined the rural character of the neighborhood should be maintained, or in new development proposed with a rural street scene. Rural street section standards shall accommodate pedestrian access, and shall incorporate storm drainage design features to avoid surface ponding of water, flooding of adjacent property, as well as to accommodate general storm water runoff from the neighborhood. | Community Development and Engineering Departments | Short term (2 years) | Adequate staff resources |
| Action C7 | Roadway Network | Upgrade and maintain traffic signal-interconnect systems to efficiently coordinate and control traffic flow on arterial streets, including the installation or removal of separate left-turn phasing where warranted. Traffic signal timing should adequately provide for safe pedestrian crossing. | Engineering and Public Works Departments | Short term (5 years) | Adequate staff resources, funding for upgrade projects |
| Action C8 | Roadway Network | Periodically analyze and improve high-accident locations to improve traffic flow and safety. | Engineering and Public Works Departments | Ongoing | Adequate staff resources |

**Table 9-1**

| Action | Topic | Implementation Action | Responsible Department | Timing | Resources Required to Complete |
|---|---|---|---|---|---|
| Action C9 | Roadway Network | Discourage parcel access points taken off major roadway | Engineering and Public Works Departments | Ongoing | Adequate staff resources |
| Action C10 | Roadway Network | Allow roundabouts or other innovative design solutions when a thorough traffic impact assessment has been conducted demonstrating that such an intersection design alternative would manage traffic flow, and improve safety, if it is physically and economically feasible. | Engineering and Public Works Departments | Ongoing | Adequate staff resources |
| Action C11 | Roadway Network | Create a road maintenance district to repair and maintain roads within the City located south of the Salt Creek Channel. | Community Development, Engineering, and Public Works Departments | Short term (5 years) | Adequate staff resources |
| Action C12 | Roadway Network | Prepare a multi-year Transportation Improvement Program (TIP) that establishes improvement priorities and scheduling for transportation project construction over a period of 5 to 7 years. The TIP will be reviewed and updated annually. | Community Development and Engineering Departments | Short term (2 years) | Adequate staff resources |
| Bikeway and Pedestrian Network | | | | | |
| Action C13 | Bikeway and Pedestrian Network | Encourage developers to provide bikeway and pedestrian connections between developed land uses, as well as bicycle parking accommodations for employees and customers. | Community Development Department | Ongoing | Adequate staff resources |
| Action C14 | Bikeway and Pedestrian Network | Require Subregional and Community Off-Road Bike Trail dedications from new development projects that are consistent with the alignments identified in Exhibit C-4: Bikeway and Community Pedestrian Network. | Community Development Department | Ongoing | Adequate staff resources |
| Action C15 | Bikeway and Pedestrian Network | Resolve the bikeway alignments, intersections crossings and traffic control features within the Connectivity Analysis Zones identified in Exhibit 5-3: Roadway Network prior to approval of new development projects which significantly impact or constrain alignment alternatives in those zones. | Community Development Department | Ongoing | Adequate staff resources |
| Action C16 | Bikeway and Pedestrian Network | Develop and maintain bicycle and walking trail system brochures and maps that educate and inform trail users. This information should be made available on the City's website. | Community Development Department | Short term (2 years) | Adequate staff resources |

**Table 9-1**

| Action | Topic | Implementation Action | Responsible Department | Timing | Resources Required to Complete |
|---|---|---|---|---|---|
| Action C17 | Bikeway and Pedestrian Network | Establish and maintain design standards for the development of various types of bikeway and related improvements—e.g., parkways, bridges, trail heads, and rest stops—that may be necessary to implement the Menifee Bikeway and Community Pedestrian Network (Exhibit 5-6). Bikeways shall be designed and constructed in accordance with Chapter 1000, Bikeway Planning and Design, of the Caltrans Highway Design Manual, or as otherwise approved by the City Engineer. | Community Development and Engineering Departments | Short term (5 years) | Adequate staff resources |
| Action C18 | Bikeway and Pedestrian Network | Aggressively seek funding for trails and bikeways from federal and state sources. | Community Development, Engineering, and Public Works Departments | Ongoing | Adequate staff resources |
| Action C19 | Bikeway and Pedestrian Network | Create a Bicycle Master Plan for the City. | Community Development and Public Works Departments | Long term (10 years) | Adequate staff resources |
| Action C20 | Bikeway and Pedestrian Network | Revise Municipal Zoning Code to require bicycle parking at multi-family residential sites in addition to requirements for commercial, service and offices uses. | Community Development Department | Short term (2 years) | Adequate staff resources |
| Public Transit | | | | | |
| Action C21 | Public Transit | Require bus shelters, transit bays and turnouts, where appropriate, from new development projects along the existing and potential future transit service routes identified in Exhibit 5-7. | Community Development Department | Ongoing | Adequate staff resources |
| Action C22 | Public Transit | Encourage developers to implement transit oriented design best practices in the vicinity of the five Transit Nodes identified in Exhibit 5-7: Potential Transit Services. | Community Development Department | Ongoing | Adequate staff resources |
| Action C23 | Public Transit | Develop local transit routes (bus, shuttle or trams) to circulate people between retail centers, medical facilities, offices, schools and residential areas to provide community mobility options. | Community Development Department | Ongoing | Funding to support circulator system |
| Action C24 | Public Transit | Participate in and influence regional transportation programs that seek new and creative solutions in public transportation, transportation systems, and traffic management. | Community Development and Engineering Departments | Ongoing | Adequate staff resources |

**Table 9-1**

| Action | Topic | Implementation Action | Responsible Department | Timing | Resources Required to Complete |
|---|---|---|---|---|---|
| Neighborhood Electric Vehicles and Golf Cards | | | | | |
| Action C25 | NEV and Golf Carts | Prepare an integrated NEV/Golf Cart Study that covers the entire City and expands upon the backbone network identified in Exhibit 5-8: Potential Neighborhood Electric Vehicle Network. | Community Development Department | Short term (5 years) | Adequate staff resources and/or funding for consultant services |
| Action C26 | NEV and Golf Carts | Identify areas where public and private parking lots should provide for NEV parking and NEV recharging stations. | Community Development Department | Short term (5 years) | Adequate staff resources |
| Action C27 | NEV and Golf Carts | Work with WRCOG Clean Cities Coalition and SCAQMD to install electric vehicle charging stations in high traffic areas through grant-funded programs to encourage electric vehicle use. | Public Works Department | Ongoing | Adequate staff resources and funding for installation. |
| Action C28 | NEV and Golf Carts | Revise the permit fees and processing schedule to provide incentives to new and existing commercial, industrial, public, school, medical, and residential projects that provide parking spaces reserved for electric vehicles (NEVs and EVs) and have a charging connection. Incentives could include giving priority in plan review, processing, and field inspection services. | Community Development and Building and Safety Departments | Short term (5 years) | Adequate staff resources |
| Goods Movement | | | | | |
| Action C29 | Goods Movement | Adopt an ordinance implementing the proposed truck routes identified in Exhibit C-7: Truck Routes. | Community Development Department | Short term (1 year) | Adequate staff resources |
| Action C30 | Goods Movement | Evaluate the use of weight restrictions on roadways where safety and maintenance considerations compel the reduction of heavy truck travel | Engineering and Public Works Departments | Short term (2 years) | Adequate staff resources |
| Scenic Highways | | | | | |
| Action C31 | Scenic Highways | Study potential scenic highway corridors for possible inclusion in the Caltrans Scenic Highways Plan. | Community Development Department | Short term (5 years) | Adequate staff resources |
| Action C32 | Scenic Highways | Require development within scenic highway corridors to utilize contour grading and slope rounding to gradually transition graded road slopes into a natural configuration consistent with the topography of the area. | Community Development Department | Ongoing | Adequate staff resources |
| Action C33 | Scenic Highways | Require development within scenic highway corridors to make dedications consistent with the Scenic Highways Plan when necessary to preserve unique or special visual features. | Community Development Department | Ongoing | Adequate staff resources |
| Action C34 | Scenic Highways | Require new or relocated electric or communication distribution lines, which would be visible from Eligible County Scenic Highways, to be placed underground. | Engineering and Public Works Departments | Ongoing | Adequate staff resources |

**Table 9-1**

| Action | Topic | Implementation Action | Responsible Department | Timing | Resources Required to Complete |
|---|---|---|---|---|---|
| Action C35 | Scenic Highways | In the City's Municipal Code, prohibit offsite outdoor advertising displays and require that the size, height, and type of on-premise signs that are visible from Designated and Eligible State and County Scenic Highways be the minimum necessary for identification. | Community Development Department | Short term (2 years) | Adequate staff resources |

Furthermore, one of the required elements of RCTC's Congestion Management Program (CMP) for Riverside County is a program to analyze the impacts of land use decisions made by local jurisdictions on regional transportation systems, including an estimate of the costs associated with mitigating those impacts. The legislation also states that when the level of service fails to achieve the adopted standard, a deficiency plan must be adopted. To address regional transportation improvements, voters approved the extension of Measure A in 2002 and approved the Transportation Uniform Mitigation Fee or TUMF. Under the TUMF, developers of residential, industrial, and commercial property pay a development fee to fund transportation projects that will be required as a result of the growth the projects create. The Western Riverside Council of Governments administers the TUMF, with Menifee as a participating jurisdiction.

RCTC implements the Regional Arterial Program, which was adopted in September 2004. The program consists of 24 projects located throughout western Riverside County. To date, three projects have been completed and three are under construction. RCTC receives 48.1% of all fees to fund these regional projects. The balance, 3.8%, is allocated to transit projects programmed by the Riverside Transit Agency. The TUMF is expected to create almost $3 billion in transportation projects for western Riverside County, with more than $1.4 billion programmed and implemented by RCTC. Therefore, regional traffic impacts of incremental development in the City of Menifee are addressed by participation in the TUMF Program, in addition to the Traffic Impact Analysis requirements resulting from City of Menifee development review procedures.

# APPENDIX 4.1

Existing (2012) Peak Hour Intersection Turning Movement Counts

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Newport Road
Weather: Clear

File Name : MENGONEAM
Site Code : 00000066
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Goetz Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 07:00 AM | 42 | 64 | 106 | 96 | 7 | 103 | 22 | 92 | 114 | 323 |
| 07:15 AM | 55 | 44 | 99 | 94 | 17 | 111 | 26 | 81 | 107 | 317 |
| 07:30 AM | 42 | 76 | 118 | 94 | 12 | 106 | 25 | 81 | 106 | 330 |
| 07:45 AM | 34 | 66 | 100 | 132 | 29 | 161 | 20 | 91 | 111 | 372 |
| Total | 173 | 250 | 423 | 416 | 65 | 481 | 93 | 345 | 438 | 1342 |
| 08:00 AM | 34 | 52 | 86 | 123 | 18 | 141 | 19 | 86 | 105 | 332 |
| 08:15 AM | 45 | 64 | 109 | 104 | 20 | 124 | 15 | 106 | 121 | 354 |
| 08:30 AM | 42 | 57 | 99 | 122 | 14 | 136 | 16 | 87 | 103 | 338 |
| 08:45 AM | 42 | 52 | 94 | 112 | 24 | 136 | 27 | 107 | 134 | 364 |
| Total | 163 | 225 | 388 | 461 | 76 | 537 | 77 | 386 | 463 | 1388 |
| Grand Total | 336 | 475 | 811 | 877 | 141 | 1018 | 170 | 731 | 901 | 2730 |
| Apprch % | 41.4 | 58.6 | | 86.1 | 13.9 | | 18.9 | 81.1 | | |
| Total % | 12.3 | 17.4 | 29.7 | 32.1 | 5.2 | 37.3 | 6.2 | 26.8 | 33 | |

| | Goetz Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | |
| 07:45 AM | 34 | **66** | 100 | **132** | **29** | **161** | **20** | 91 | 111 | **372** |
| 08:00 AM | 34 | 52 | 86 | 123 | 18 | 141 | 19 | 86 | 105 | 332 |
| 08:15 AM | **45** | 64 | **109** | 104 | 20 | 124 | 15 | **106** | **121** | 354 |
| 08:30 AM | 42 | 57 | 99 | 122 | 14 | 136 | 16 | 87 | 103 | 338 |
| Total Volume | 155 | 239 | 394 | 481 | 81 | 562 | 70 | 370 | 440 | 1396 |
| % App. Total | 39.3 | 60.7 | | 85.6 | 14.4 | | 15.9 | 84.1 | | |
| PHF | .861 | .905 | .904 | .911 | .698 | .873 | .875 | .873 | .909 | .938 |

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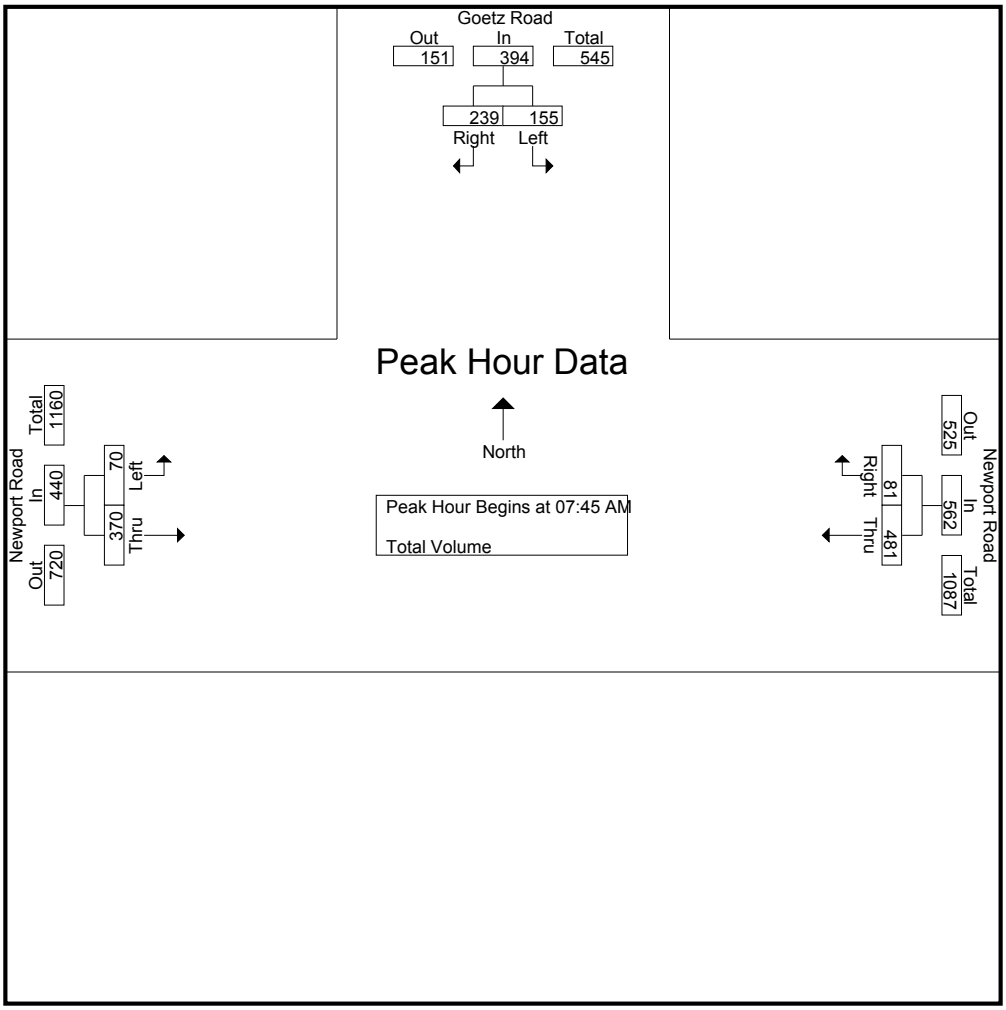
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Newport Road
Weather: Clear

File Name : MENGONEAM
Site Code : 00000066
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | 07:45 AM | | | 08:00 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 42 | 64 | 106 | **132** | **29** | **161** | 19 | 86 | 105 |
| +15 mins. | **55** | 44 | 99 | 123 | 18 | 141 | 15 | 106 | 121 |
| +30 mins. | 42 | **76** | **118** | 104 | 20 | 124 | 16 | 87 | 103 |
| +45 mins. | 34 | 66 | 100 | 122 | 14 | 136 | **27** | **107** | **134** |
| Total Volume | 173 | 250 | 423 | 481 | 81 | 562 | 77 | 386 | 463 |
| % App. Total | 40.9 | 59.1 | | 85.6 | 14.4 | | 16.6 | 83.4 | |
| PHF | .786 | .822 | .896 | .911 | .698 | .873 | .713 | .902 | .864 |

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PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Newport Road
Weather: Clear

File Name : MENGONEPM
Site Code : 00000066
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Goetz Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 04:00 PM | 25 | 49 | 74 | 92 | 53 | 145 | 71 | 117 | 188 | 407 |
| 04:15 PM | 39 | 30 | 69 | 117 | 44 | 161 | 83 | 117 | 200 | 430 |
| 04:30 PM | 29 | 44 | 73 | 134 | 40 | 174 | 68 | 133 | 201 | 448 |
| 04:45 PM | 30 | 35 | 65 | 129 | 34 | 163 | 79 | 123 | 202 | 430 |
| Total | 123 | 158 | 281 | 472 | 171 | 643 | 301 | 490 | 791 | 1715 |
| 05:00 PM | 26 | 37 | 63 | 116 | 46 | 162 | 84 | 143 | 227 | 452 |
| 05:15 PM | 37 | 30 | 67 | 126 | 41 | 167 | 98 | 147 | 245 | 479 |
| 05:30 PM | 51 | 29 | 80 | 102 | 31 | 133 | 63 | 152 | 215 | 428 |
| 05:45 PM | 32 | 50 | 82 | 83 | 42 | 125 | 78 | 123 | 201 | 408 |
| Total | 146 | 146 | 292 | 427 | 160 | 587 | 323 | 565 | 888 | 1767 |
| Grand Total | 269 | 304 | 573 | 899 | 331 | 1230 | 624 | 1055 | 1679 | 3482 |
| Apprch % | 46.9 | 53.1 | | 73.1 | 26.9 | | 37.2 | 62.8 | | |
| Total % | 7.7 | 8.7 | 16.5 | 25.8 | 9.5 | 35.3 | 17.9 | 30.3 | 48.2 | |

| | Goetz Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | |
| 04:30 PM | 29 | **44** | **73** | **134** | 40 | **174** | 68 | 133 | 201 | 448 |
| 04:45 PM | 30 | 35 | 65 | 129 | 34 | 163 | 79 | 123 | 202 | 430 |
| 05:00 PM | 26 | 37 | 63 | 116 | **46** | 162 | 84 | 143 | 227 | 452 |
| 05:15 PM | **37** | 30 | 67 | 126 | 41 | 167 | **98** | **147** | **245** | **479** |
| Total Volume | 122 | 146 | 268 | 505 | 161 | 666 | 329 | 546 | 875 | 1809 |
| % App. Total | 45.5 | 54.5 | | 75.8 | 24.2 | | 37.6 | 62.4 | | |
| PHF | .824 | .830 | .918 | .942 | .875 | .957 | .839 | .929 | .893 | .944 |

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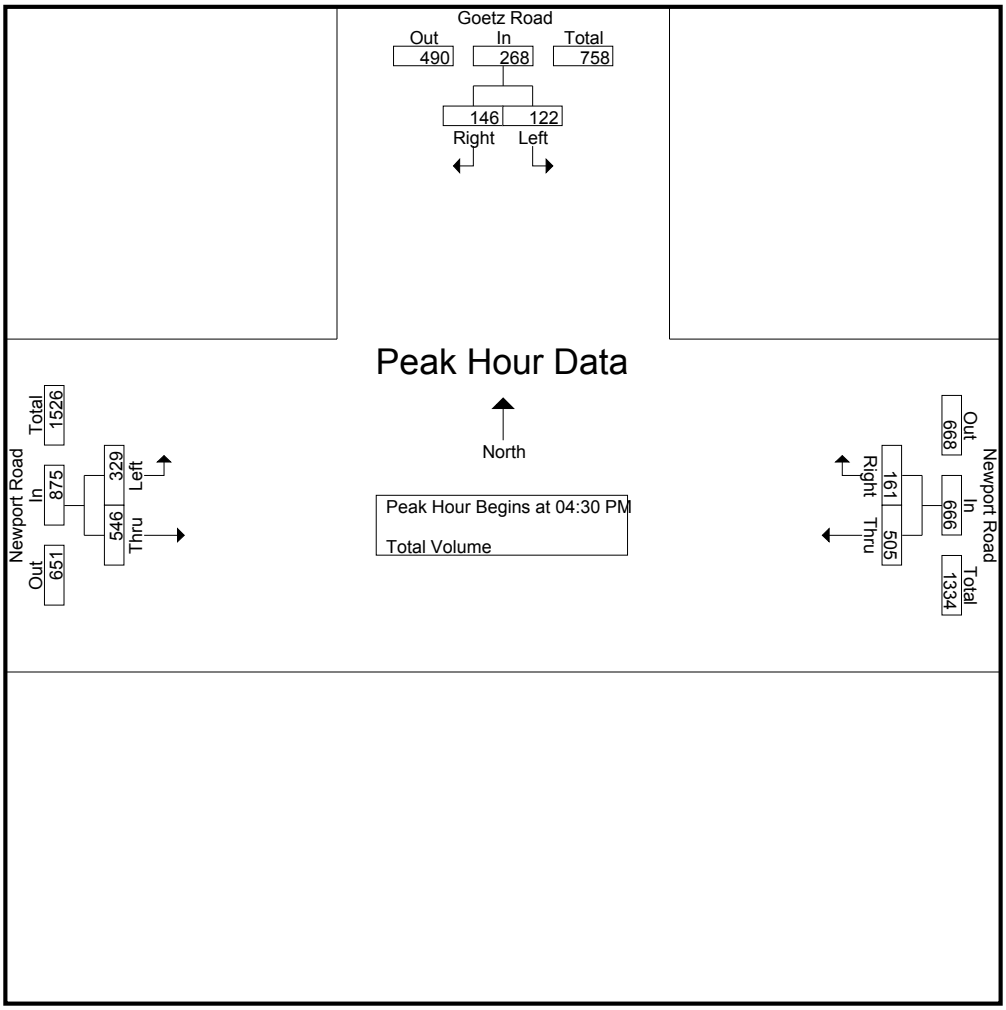
City of Menifee
N/S: Goetz Road
E/W: Newport Road
Weather: Clear

File Name : MENGONEPM
Site Code : 00000066
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | 04:30 PM | | | 04:45 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 26 | 37 | 63 | **134** | 40 | **174** | 79 | 123 | 202 |
| +15 mins. | 37 | 30 | 67 | 129 | 34 | 163 | 84 | 143 | 227 |
| +30 mins. | **51** | 29 | 80 | 116 | **46** | 162 | **98** | 147 | **245** |
| +45 mins. | 32 | **50** | **82** | 126 | 41 | 167 | 63 | **152** | 215 |
| Total Volume | 146 | 146 | 292 | 505 | 161 | 666 | 324 | 565 | 889 |
| % App. Total | 50 | 50 | | 75.8 | 24.2 | | 36.4 | 63.6 | |
| PHF | .716 | .730 | .890 | .942 | .875 | .957 | .827 | .929 | .907 |

Counts Unlimited, Inc.
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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Ethanac Road
Weather: Clear

File Name : MENGOETAM
Site Code : 00000013
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

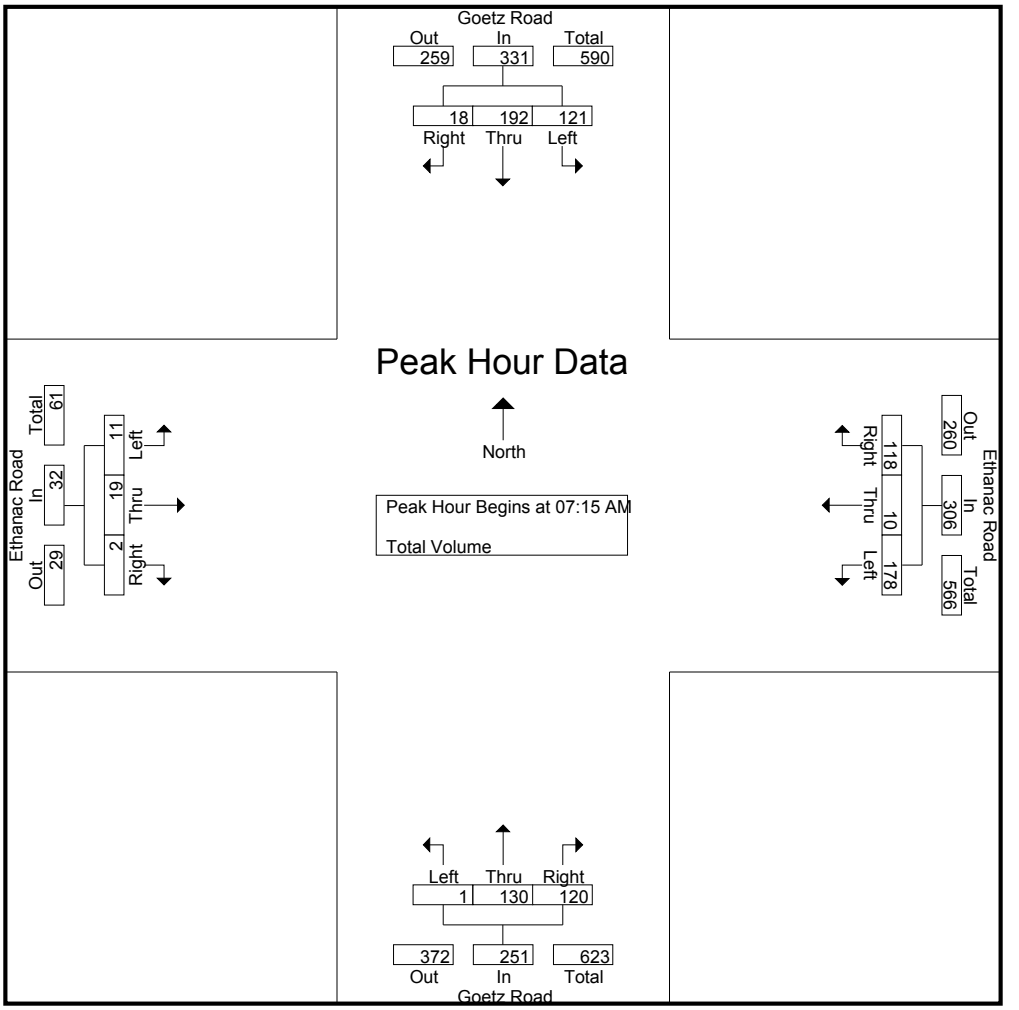
| | Goetz Road Southbound | | | | Ethanac Road Westbound | | | | Goetz Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 31 | 37 | 3 | 71 | 38 | 1 | 26 | 65 | 0 | 31 | 30 | 61 | 2 | 5 | 0 | 7 | 204 |
| 07:15 AM | 34 | 46 | 5 | 85 | 41 | 1 | 39 | 81 | 0 | 37 | 38 | 75 | 1 | 7 | 0 | 8 | 249 |
| 07:30 AM | 28 | 44 | 4 | 76 | 45 | 3 | 35 | 83 | 1 | 36 | 24 | 61 | 2 | 4 | 1 | 7 | 227 |
| 07:45 AM | 33 | 49 | 4 | 86 | 39 | 2 | 21 | 62 | 0 | 29 | 27 | 56 | 3 | 5 | 0 | 8 | 212 |
| Total | 126 | 176 | 16 | 318 | 163 | 7 | 121 | 291 | 1 | 133 | 119 | 253 | 8 | 21 | 1 | 30 | 892 |
| 08:00 AM | 26 | 53 | 5 | 84 | 53 | 4 | 23 | 80 | 0 | 28 | 31 | 59 | 5 | 3 | 1 | 9 | 232 |
| 08:15 AM | 29 | 47 | 6 | 82 | 49 | 8 | 16 | 73 | 0 | 33 | 25 | 58 | 5 | 6 | 0 | 11 | 224 |
| 08:30 AM | 22 | 50 | 4 | 76 | 51 | 7 | 19 | 77 | 1 | 24 | 21 | 46 | 2 | 4 | 0 | 6 | 205 |
| 08:45 AM | 19 | 55 | 7 | 81 | 57 | 3 | 15 | 75 | 0 | 19 | 33 | 52 | 4 | 7 | 1 | 12 | 220 |
| Total | 96 | 205 | 22 | 323 | 210 | 22 | 73 | 305 | 1 | 104 | 110 | 215 | 16 | 20 | 2 | 38 | 881 |
| Grand Total | 222 | 381 | 38 | 641 | 373 | 29 | 194 | 596 | 2 | 237 | 229 | 468 | 24 | 41 | 3 | 68 | 1773 |
| Apprch % | 34.6 | 59.4 | 5.9 | | 62.6 | 4.9 | 32.6 | | 0.4 | 50.6 | 48.9 | | 35.3 | 60.3 | 4.4 | | |
| Total % | 12.5 | 21.5 | 2.1 | 36.2 | 21 | 1.6 | 10.9 | 33.6 | 0.1 | 13.4 | 12.9 | 26.4 | 1.4 | 2.3 | 0.2 | 3.8 | |

| | Goetz Road Southbound | | | | Ethanac Road Westbound | | | | Goetz Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **34** | 46 | **5** | 85 | 41 | 1 | **39** | 81 | 0 | **37** | **38** | **75** | 1 | **7** | 0 | 8 | **249** |
| 07:30 AM | 28 | 44 | 4 | 76 | 45 | 3 | 35 | **83** | **1** | 36 | 24 | 61 | 2 | 4 | **1** | 7 | 227 |
| 07:45 AM | 33 | 49 | 4 | **86** | 39 | 2 | 21 | 62 | 0 | 29 | 27 | 56 | 3 | 5 | 0 | 8 | 212 |
| 08:00 AM | 26 | **53** | 5 | 84 | **53** | **4** | 23 | 80 | 0 | 28 | 31 | 59 | **5** | 3 | 1 | **9** | 232 |
| Total Volume | 121 | 192 | 18 | 331 | 178 | 10 | 118 | 306 | 1 | 130 | 120 | 251 | 11 | 19 | 2 | 32 | 920 |
| % App. Total | 36.6 | 58 | 5.4 | | 58.2 | 3.3 | 38.6 | | 0.4 | 51.8 | 47.8 | | 34.4 | 59.4 | 6.2 | | |
| PHF | .890 | .906 | .900 | .962 | .840 | .625 | .756 | .922 | .250 | .878 | .789 | .837 | .550 | .679 | .500 | .889 | .924 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Ethanac Road
Weather: Clear

File Name : MENGOETAM
Site Code : 00000013
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:00 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **34** | 46 | **5** | 85 | 41 | 1 | **39** | 81 | 0 | 31 | 30 | 61 | **5** | 3 | **1** | 9 |
| +15 mins. | 28 | 44 | 4 | 76 | 45 | 3 | 35 | **83** | 0 | **37** | **38** | **75** | 5 | 6 | 0 | 11 |
| +30 mins. | 33 | 49 | 4 | **86** | 39 | 2 | 21 | 62 | **1** | 36 | 24 | 61 | 2 | 4 | 0 | 6 |
| +45 mins. | 26 | **53** | 5 | 84 | **53** | **4** | 23 | 80 | 0 | 29 | 27 | 56 | 4 | **7** | 1 | **12** |
| Total Volume | 121 | 192 | 18 | 331 | 178 | 10 | 118 | 306 | 1 | 133 | 119 | 253 | 16 | 20 | 2 | 38 |
| % App. Total | 36.6 | 58 | 5.4 | | 58.2 | 3.3 | 38.6 | | 0.4 | 52.6 | 47 | | 42.1 | 52.6 | 5.3 | |
| PHF | .890 | .906 | .900 | .962 | .840 | .625 | .756 | .922 | .250 | .899 | .783 | .843 | .800 | .714 | .500 | .792 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Goetz Road
E/W: Ethanac Road
Weather: Clear

File Name : MENGOETPM
Site Code : 00000013
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Goetz Road Southbound | | | | Ethanac Road Westbound | | | | Goetz Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 38 | 48 | 3 | 89 | 41 | 4 | 31 | 76 | 0 | 21 | 33 | 54 | 0 | 2 | 0 | 2 | 221 |
| 04:15 PM | 42 | 49 | 4 | 95 | 38 | 2 | 35 | 75 | 1 | 24 | 38 | 63 | 1 | 3 | 0 | 4 | 237 |
| 04:30 PM | 44 | 47 | 3 | 94 | 52 | 5 | 34 | 91 | 0 | 25 | 37 | 62 | 2 | 1 | 1 | 4 | 251 |
| 04:45 PM | 31 | 47 | 2 | 80 | 41 | 6 | 19 | 66 | 0 | 21 | 33 | 54 | 0 | 3 | 1 | 4 | 204 |
| Total | 155 | 191 | 12 | 358 | 172 | 17 | 119 | 308 | 1 | 91 | 141 | 233 | 3 | 9 | 2 | 14 | 913 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 42 | 65 | 4 | 111 | 47 | 7 | 21 | 75 | 0 | 20 | 25 | 45 | 1 | 1 | 0 | 2 | 233 |
| 05:15 PM | 35 | 50 | 3 | 88 | 51 | 6 | 23 | 80 | 0 | 19 | 26 | 45 | 1 | 4 | 0 | 5 | 218 |
| 05:30 PM | 30 | 49 | 5 | 84 | 58 | 9 | 17 | 84 | 0 | 23 | 25 | 48 | 2 | 2 | 0 | 4 | 220 |
| 05:45 PM | 27 | 57 | 7 | 91 | 47 | 4 | 19 | 70 | 0 | 22 | 34 | 56 | 1 | 2 | 0 | 3 | 220 |
| Total | 134 | 221 | 19 | 374 | 203 | 26 | 80 | 309 | 0 | 84 | 110 | 194 | 5 | 9 | 0 | 14 | 891 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 289 | 412 | 31 | 732 | 375 | 43 | 199 | 617 | 1 | 175 | 251 | 427 | 8 | 18 | 2 | 28 | 1804 |
| Apprch % | 39.5 | 56.3 | 4.2 | | 60.8 | 7 | 32.3 | | 0.2 | 41 | 58.8 | | 28.6 | 64.3 | 7.1 | | |
| Total % | 16 | 22.8 | 1.7 | 40.6 | 20.8 | 2.4 | 11 | 34.2 | 0.1 | 9.7 | 13.9 | 23.7 | 0.4 | 1 | 0.1 | 1.6 | |

| | Goetz Road Southbound | | | | Ethanac Road Westbound | | | | Goetz Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 42 | 49 | **4** | 95 | 38 | 2 | **35** | 75 | **1** | 24 | **38** | **63** | 1 | **3** | 0 | **4** | 237 |
| 04:30 PM | **44** | 47 | 3 | 94 | **52** | 5 | 34 | **91** | 0 | **25** | 37 | 62 | **2** | 1 | **1** | 4 | **251** |
| 04:45 PM | 31 | 47 | 2 | 80 | 41 | 6 | 19 | 66 | 0 | 21 | 33 | 54 | 0 | 3 | 1 | 4 | 204 |
| 05:00 PM | 42 | **65** | 4 | **111** | 47 | **7** | 21 | 75 | 0 | 20 | 25 | 45 | 1 | 1 | 0 | 2 | 233 |
| Total Volume | 159 | 208 | 13 | 380 | 178 | 20 | 109 | 307 | 1 | 90 | 133 | 224 | 4 | 8 | 2 | 14 | 925 |
| % App. Total | 41.8 | 54.7 | 3.4 | | 58 | 6.5 | 35.5 | | 0.4 | 40.2 | 59.4 | | 28.6 | 57.1 | 14.3 | | |
| PHF | .903 | .800 | .813 | .856 | .856 | .714 | .779 | .843 | .250 | .900 | .875 | .889 | .500 | .667 | .500 | .875 | .921 |

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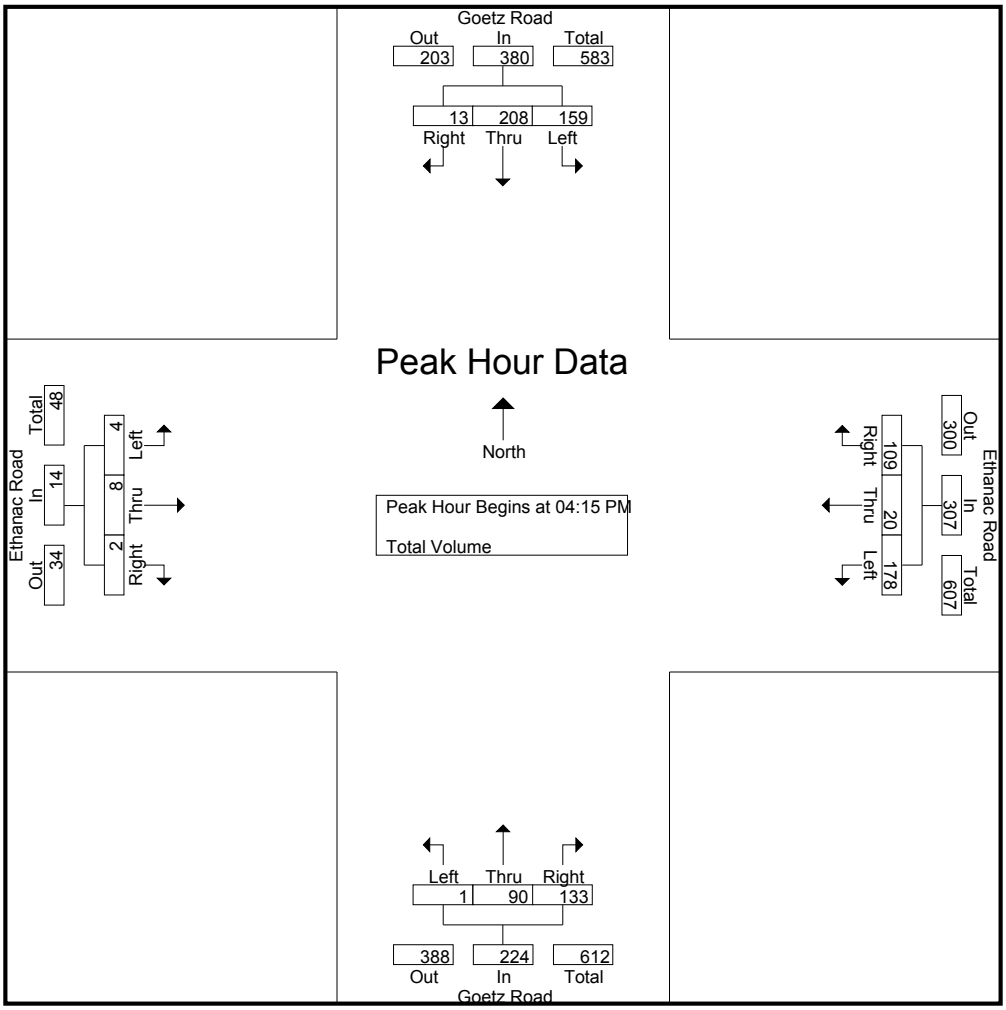
City of Menifee
N/S: Goetz Road
E/W: Ethanac Road
Weather: Clear

File Name : MENGOETPM
Site Code : 00000013
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:30 PM | | | | 04:00 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 42 | 49 | **4** | 95 | **52** | 5 | **34** | **91** | 0 | 21 | 33 | 54 | **2** | 1 | **1** | 4 |
| +15 mins. | **44** | 47 | 3 | 94 | 41 | 6 | 19 | 66 | **1** | 24 | **38** | **63** | 0 | 3 | 1 | 4 |
| +30 mins. | 31 | 47 | 2 | 80 | 47 | **7** | 21 | 75 | 0 | **25** | 37 | 62 | 1 | 1 | 0 | 2 |
| +45 mins. | 42 | **65** | 4 | **111** | 51 | 6 | 23 | 80 | 0 | 21 | 33 | 54 | 1 | **4** | 0 | **5** |
| Total Volume | 159 | 208 | 13 | 380 | 191 | 24 | 97 | 312 | 1 | 91 | 141 | 233 | 4 | 9 | 2 | 15 |
| % App. Total | 41.8 | 54.7 | 3.4 | | 61.2 | 7.7 | 31.1 | | 0.4 | 39.1 | 60.5 | | 26.7 | 60 | 13.3 | |
| PHF | .903 | .800 | .813 | .856 | .918 | .857 | .713 | .857 | .250 | .910 | .928 | .925 | .500 | .563 | .500 | .750 |

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City of Menifee
N/S: Murieta Road
E/W: Ethanac Road
Weather: Clear

File Name : MENMUETAM
Site Code : 00000036
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Ethanac Road Westbound | | | | Murrieta Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 3 | 5 | 2 | 10 | 27 | 43 | 5 | 75 | 23 | 33 | 25 | 81 | 0 | 49 | 11 | 60 | 226 |
| 07:15 AM | 2 | 5 | 3 | 10 | 24 | 51 | 7 | 82 | 20 | 26 | 32 | 78 | 1 | 68 | 8 | 77 | 247 |
| 07:30 AM | 2 | 9 | 4 | 15 | 29 | 47 | 4 | 80 | 24 | 35 | 29 | 88 | 0 | 49 | 9 | 58 | 241 |
| 07:45 AM | 2 | 7 | 1 | 10 | 17 | 54 | 6 | 77 | 24 | 32 | 33 | 89 | 0 | 56 | 7 | 63 | 239 |
| Total | 9 | 26 | 10 | 45 | 97 | 195 | 22 | 314 | 91 | 126 | 119 | 336 | 1 | 222 | 35 | 258 | 953 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 3 | 8 | 0 | 11 | 25 | 49 | 3 | 77 | 19 | 28 | 31 | 78 | 1 | 43 | 10 | 54 | 220 |
| 08:15 AM | 1 | 7 | 1 | 9 | 22 | 57 | 9 | 88 | 20 | 18 | 34 | 72 | 1 | 53 | 13 | 67 | 236 |
| 08:30 AM | 1 | 12 | 1 | 14 | 17 | 43 | 6 | 66 | 22 | 21 | 27 | 70 | 2 | 46 | 8 | 56 | 206 |
| 08:45 AM | 2 | 11 | 1 | 14 | 14 | 36 | 8 | 58 | 24 | 20 | 35 | 79 | 1 | 51 | 11 | 63 | 214 |
| Total | 7 | 38 | 3 | 48 | 78 | 185 | 26 | 289 | 85 | 87 | 127 | 299 | 5 | 193 | 42 | 240 | 876 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 16 | 64 | 13 | 93 | 175 | 380 | 48 | 603 | 176 | 213 | 246 | 635 | 6 | 415 | 77 | 498 | 1829 |
| Apprch % | 17.2 | 68.8 | 14 | | 29 | 63 | 8 | | 27.7 | 33.5 | 38.7 | | 1.2 | 83.3 | 15.5 | | |
| Total % | 0.9 | 3.5 | 0.7 | 5.1 | 9.6 | 20.8 | 2.6 | 33 | 9.6 | 11.6 | 13.4 | 34.7 | 0.3 | 22.7 | 4.2 | 27.2 | |

| | Murrieta Road Southbound | | | | Ethanac Road Westbound | | | | Murrieta Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | **3** | 5 | 2 | 10 | 27 | 43 | 5 | 75 | 23 | 33 | 25 | 81 | 0 | 49 | **11** | 60 | 226 |
| 07:15 AM | 2 | 5 | 3 | 10 | 24 | 51 | **7** | **82** | 20 | 26 | 32 | 78 | **1** | **68** | 8 | **77** | **247** |
| 07:30 AM | 2 | **9** | **4** | **15** | **29** | 47 | 4 | 80 | **24** | **35** | 29 | 88 | 0 | 49 | 9 | 58 | 241 |
| 07:45 AM | 2 | 7 | 1 | 10 | 17 | **54** | 6 | 77 | 24 | 32 | **33** | **89** | 0 | 56 | 7 | 63 | 239 |
| Total Volume | 9 | 26 | 10 | 45 | 97 | 195 | 22 | 314 | 91 | 126 | 119 | 336 | 1 | 222 | 35 | 258 | 953 |
| % App. Total | 20 | 57.8 | 22.2 | | 30.9 | 62.1 | 7 | | 27.1 | 37.5 | 35.4 | | 0.4 | 86 | 13.6 | | |
| PHF | .750 | .722 | .625 | .750 | .836 | .903 | .786 | .957 | .948 | .900 | .902 | .944 | .250 | .816 | .795 | .838 | .965 |

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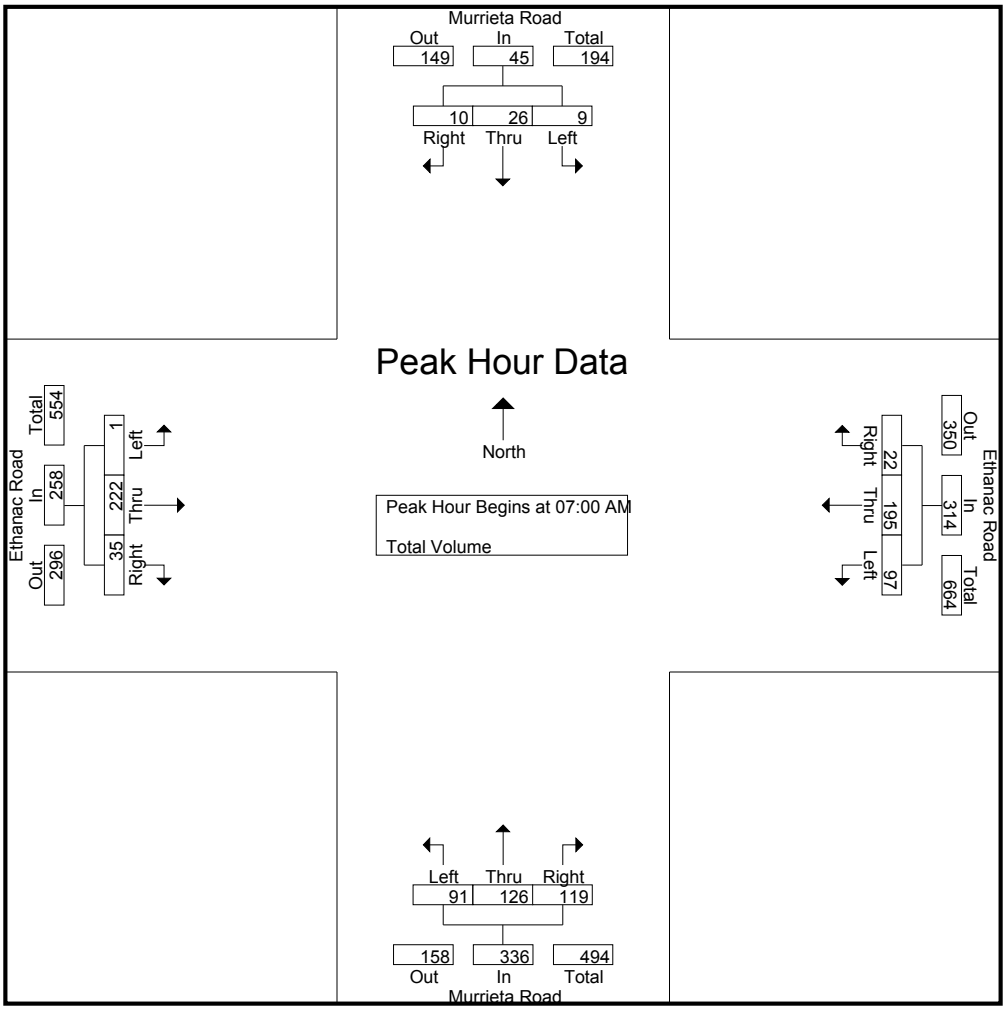
City of Menifee
N/S: Murieta Road
E/W: Ethanac Road
Weather: Clear

File Name : MENMUETAM
Site Code : 00000036
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:30 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **3** | 8 | 0 | 11 | **29** | 47 | 4 | 80 | 23 | 33 | 25 | 81 | 0 | 49 | **11** | 60 |
| +15 mins. | 1 | 7 | **1** | 9 | 17 | 54 | 6 | 77 | 20 | 26 | 32 | 78 | **1** | **68** | 8 | **77** |
| +30 mins. | 1 | **12** | 1 | **14** | 25 | 49 | 3 | 77 | **24** | **35** | 29 | 88 | 0 | 49 | 9 | 58 |
| +45 mins. | 2 | 11 | 1 | 14 | 22 | **57** | **9** | **88** | 24 | 32 | **33** | **89** | 0 | 56 | 7 | 63 |
| Total Volume | 7 | 38 | 3 | 48 | 93 | 207 | 22 | 322 | 91 | 126 | 119 | 336 | 1 | 222 | 35 | 258 |
| % App. Total | 14.6 | 79.2 | 6.2 | | 28.9 | 64.3 | 6.8 | | 27.1 | 37.5 | 35.4 | | 0.4 | 86 | 13.6 | |
| PHF | .583 | .792 | .750 | .857 | .802 | .908 | .611 | .915 | .948 | .900 | .902 | .944 | .250 | .816 | .795 | .838 |

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City of Menifee
N/S: Murieta Road
E/W: Ethanac Road
Weather: Clear

File Name : MENMUETPM
Site Code : 00000036
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Ethanac Road Westbound | | | | Murrieta Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 1 | 25 | 1 | 27 | 38 | 64 | 3 | 105 | 13 | 20 | 23 | 56 | 1 | 61 | 18 | 80 | 268 |
| 04:15 PM | 4 | 22 | 0 | 26 | 31 | 65 | 2 | 98 | 14 | 24 | 22 | 60 | 1 | 68 | 24 | 93 | 277 |
| 04:30 PM | 4 | 10 | 0 | 14 | 36 | 75 | 0 | 111 | 17 | 16 | 31 | 64 | 0 | 62 | 21 | 83 | 272 |
| 04:45 PM | 5 | 21 | 0 | 26 | 47 | 50 | 2 | 99 | 12 | 13 | 33 | 58 | 0 | 67 | 12 | 79 | 262 |
| Total | 14 | 78 | 1 | 93 | 152 | 254 | 7 | 413 | 56 | 73 | 109 | 238 | 2 | 258 | 75 | 335 | 1079 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 5 | 29 | 1 | 35 | 30 | 63 | 2 | 95 | 11 | 14 | 33 | 58 | 0 | 56 | 9 | 65 | 253 |
| 05:15 PM | 2 | 26 | 0 | 28 | 39 | 57 | 3 | 99 | 21 | 15 | 31 | 67 | 0 | 52 | 10 | 62 | 256 |
| 05:30 PM | 2 | 21 | 1 | 24 | 49 | 73 | 2 | 124 | 12 | 7 | 24 | 43 | 0 | 54 | 11 | 65 | 256 |
| 05:45 PM | 2 | 13 | 1 | 16 | 34 | 65 | 2 | 101 | 7 | 10 | 29 | 46 | 1 | 55 | 10 | 66 | 229 |
| Total | 11 | 89 | 3 | 103 | 152 | 258 | 9 | 419 | 51 | 46 | 117 | 214 | 1 | 217 | 40 | 258 | 994 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 25 | 167 | 4 | 196 | 304 | 512 | 16 | 832 | 107 | 119 | 226 | 452 | 3 | 475 | 115 | 593 | 2073 |
| Apprch % | 12.8 | 85.2 | 2 | | 36.5 | 61.5 | 1.9 | | 23.7 | 26.3 | 50 | | 0.5 | 80.1 | 19.4 | | |
| Total % | 1.2 | 8.1 | 0.2 | 9.5 | 14.7 | 24.7 | 0.8 | 40.1 | 5.2 | 5.7 | 10.9 | 21.8 | 0.1 | 22.9 | 5.5 | 28.6 | |

| | Murrieta Road Southbound | | | | Ethanac Road Westbound | | | | Murrieta Road Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | 1 | **25** | **1** | **27** | 38 | 64 | **3** | 105 | 13 | 20 | 23 | 56 | **1** | 61 | 18 | 80 | 268 |
| 04:15 PM | 4 | 22 | 0 | 26 | 31 | 65 | 2 | 98 | 14 | **24** | 22 | 60 | 1 | **68** | **24** | **93** | **277** |
| 04:30 PM | 4 | 10 | 0 | 14 | 36 | **75** | 0 | **111** | **17** | 16 | 31 | **64** | 0 | 62 | 21 | 83 | 272 |
| 04:45 PM | **5** | 21 | 0 | 26 | **47** | 50 | 2 | 99 | 12 | 13 | **33** | 58 | 0 | 67 | 12 | 79 | 262 |
| Total Volume | 14 | 78 | 1 | 93 | 152 | 254 | 7 | 413 | 56 | 73 | 109 | 238 | 2 | 258 | 75 | 335 | 1079 |
| % App. Total | 15.1 | 83.9 | 1.1 | | 36.8 | 61.5 | 1.7 | | 23.5 | 30.7 | 45.8 | | 0.6 | 77 | 22.4 | | |
| PHF | .700 | .780 | .250 | .861 | .809 | .847 | .583 | .930 | .824 | .760 | .826 | .930 | .500 | .949 | .781 | .901 | .974 |

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City of Menifee
N/S: Murieta Road
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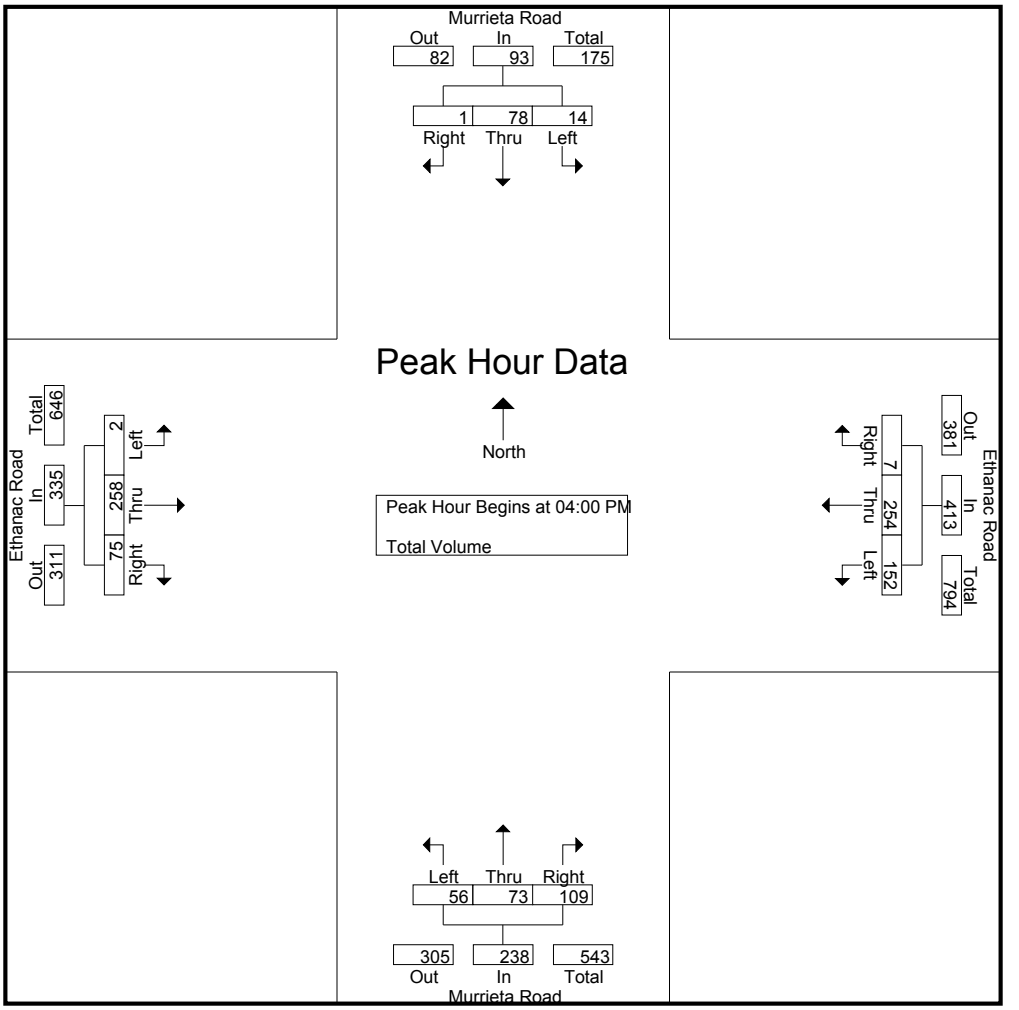
Weather: Clear

File Name : MENMUETPM
Site Code : 00000036
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 05:00 PM | | | | 04:30 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **5** | 21 | 0 | 26 | 30 | 63 | 2 | 95 | 17 | **16** | 31 | 64 | **1** | 61 | 18 | 80 |
| +15 mins. | 5 | **29** | **1** | **35** | 39 | 57 | **3** | 99 | 12 | 13 | **33** | 58 | 1 | **68** | **24** | **93** |
| +30 mins. | 2 | 26 | 0 | 28 | **49** | **73** | 2 | **124** | 11 | 14 | 33 | 58 | 0 | 62 | 21 | 83 |
| +45 mins. | 2 | 21 | 1 | 24 | 34 | 65 | 2 | 101 | **21** | 15 | 31 | **67** | 0 | 67 | 12 | 79 |
| Total Volume | 14 | 97 | 2 | 113 | 152 | 258 | 9 | 419 | 61 | 58 | 128 | 247 | 2 | 258 | 75 | 335 |
| % App. Total | 12.4 | 85.8 | 1.8 | | 36.3 | 61.6 | 2.1 | | 24.7 | 23.5 | 51.8 | | 0.6 | 77 | 22.4 | |
| PHF | .700 | .836 | .500 | .807 | .776 | .884 | .750 | .845 | .726 | .906 | .970 | .922 | .500 | .949 | .781 | .901 |

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City of Menifee
N/S: Murrieta Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMUMCAM
Site Code : 00000041
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 13 | 23 | 1 | 37 | 17 | 8 | 4 | 29 | 0 | 17 | 21 | 38 | 1 | 13 | 0 | 14 | 118 |
| 07:15 AM | 7 | 34 | 3 | 44 | 16 | 8 | 11 | 35 | 0 | 26 | 23 | 49 | 8 | 18 | 2 | 28 | 156 |
| 07:30 AM | 13 | 37 | 4 | 54 | 13 | 10 | 10 | 33 | 0 | 51 | 19 | 70 | 11 | 15 | 0 | 26 | 183 |
| 07:45 AM | 15 | 36 | 8 | 59 | 22 | 5 | 13 | 40 | 0 | 66 | 19 | 85 | 14 | 23 | 1 | 38 | 222 |
| Total | 48 | 130 | 16 | 194 | 68 | 31 | 38 | 137 | 0 | 160 | 82 | 242 | 34 | 69 | 3 | 106 | 679 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 19 | 45 | 19 | 83 | 21 | 12 | 14 | 47 | 1 | 29 | 23 | 53 | 18 | 24 | 2 | 44 | 227 |
| 08:15 AM | 18 | 50 | 27 | 95 | 23 | 24 | 13 | 60 | 0 | 29 | 24 | 53 | 18 | 31 | 0 | 49 | 257 |
| 08:30 AM | 16 | 41 | 7 | 64 | 24 | 12 | 28 | 64 | 1 | 26 | 30 | 57 | 24 | 28 | 0 | 52 | 237 |
| 08:45 AM | 22 | 47 | 6 | 75 | 26 | 12 | 16 | 54 | 1 | 19 | 21 | 41 | 21 | 22 | 1 | 44 | 214 |
| Total | 75 | 183 | 59 | 317 | 94 | 60 | 71 | 225 | 3 | 103 | 98 | 204 | 81 | 105 | 3 | 189 | 935 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 123 | 313 | 75 | 511 | 162 | 91 | 109 | 362 | 3 | 263 | 180 | 446 | 115 | 174 | 6 | 295 | 1614 |
| Apprch % | 24.1 | 61.3 | 14.7 | | 44.8 | 25.1 | 30.1 | | 0.7 | 59 | 40.4 | | 39 | 59 | 2 | | |
| Total % | 7.6 | 19.4 | 4.6 | 31.7 | 10 | 5.6 | 6.8 | 22.4 | 0.2 | 16.3 | 11.2 | 27.6 | 7.1 | 10.8 | 0.4 | 18.3 | |

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 15 | 36 | 8 | 59 | 22 | 5 | 13 | 40 | 0 | **66** | 19 | **85** | 14 | 23 | 1 | 38 | 222 |
| 08:00 AM | **19** | 45 | 19 | 83 | 21 | 12 | 14 | 47 | **1** | 29 | 23 | 53 | 18 | 24 | **2** | 44 | 227 |
| 08:15 AM | 18 | **50** | **27** | **95** | 23 | **24** | 13 | 60 | 0 | 29 | 24 | 53 | 18 | **31** | 0 | 49 | **257** |
| 08:30 AM | 16 | 41 | 7 | 64 | **24** | 12 | **28** | **64** | 1 | 26 | **30** | 57 | **24** | 28 | 0 | **52** | 237 |
| Total Volume | 68 | 172 | 61 | 301 | 90 | 53 | 68 | 211 | 2 | 150 | 96 | 248 | 74 | 106 | 3 | 183 | 943 |
| % App. Total | 22.6 | 57.1 | 20.3 | | 42.7 | 25.1 | 32.2 | | 0.8 | 60.5 | 38.7 | | 40.4 | 57.9 | 1.6 | | |
| PHF | .895 | .860 | .565 | .792 | .938 | .552 | .607 | .824 | .500 | .568 | .800 | .729 | .771 | .855 | .375 | .880 | .917 |

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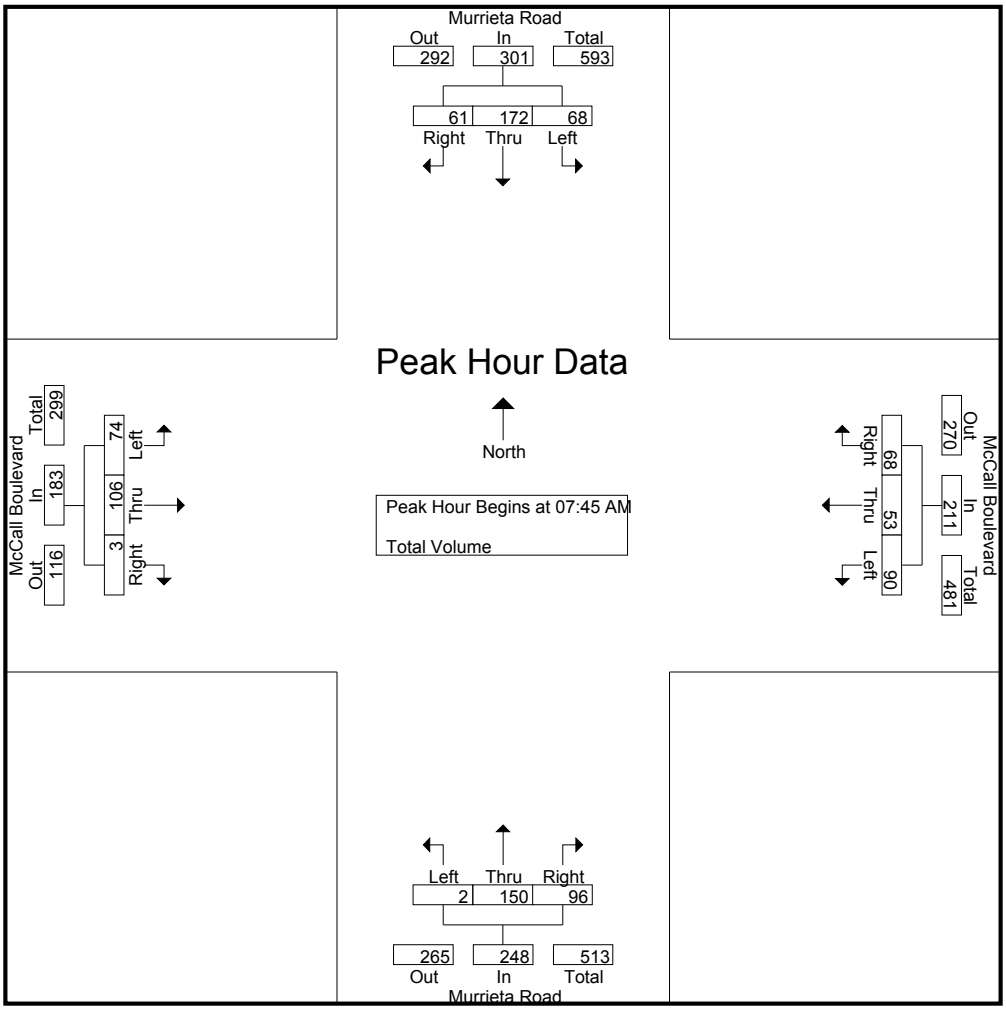
City of Menifee
N/S: Murrieta Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMUMCAM
Site Code : 00000041
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 08:00 AM | | | | 07:30 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 19 | 45 | 19 | 83 | 21 | 12 | 14 | 47 | 0 | 51 | 19 | 70 | 18 | 24 | **2** | 44 |
| +15 mins. | 18 | **50** | **27** | **95** | 23 | **24** | 13 | 60 | 0 | **66** | 19 | **85** | 18 | **31** | 0 | 49 |
| +30 mins. | 16 | 41 | 7 | 64 | 24 | 12 | **28** | **64** | **1** | 29 | 23 | 53 | **24** | 28 | 0 | **52** |
| +45 mins. | **22** | 47 | 6 | 75 | **26** | 12 | 16 | 54 | 0 | 29 | **24** | 53 | 21 | 22 | 1 | 44 |
| Total Volume | 75 | 183 | 59 | 317 | 94 | 60 | 71 | 225 | 1 | 175 | 85 | 261 | 81 | 105 | 3 | 189 |
| % App. Total | 23.7 | 57.7 | 18.6 | | 41.8 | 26.7 | 31.6 | | 0.4 | 67 | 32.6 | | 42.9 | 55.6 | 1.6 | |
| PHF | .852 | .915 | .546 | .834 | .904 | .625 | .634 | .879 | .250 | .663 | .885 | .768 | .844 | .847 | .375 | .909 |

Counts Unlimited, Inc.
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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Murrieta Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMUMCPM
Site Code : 00000041
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 32 | 41 | 7 | 80 | 28 | 20 | 26 | 74 | 3 | 37 | 15 | 55 | 6 | 16 | 0 | 22 | 231 |
| 04:15 PM | 25 | 45 | 12 | 82 | 26 | 13 | 35 | 74 | 2 | 45 | 19 | 66 | 6 | 14 | 1 | 21 | 243 |
| 04:30 PM | 35 | 46 | 6 | 87 | 27 | 15 | 30 | 72 | 0 | 52 | 23 | 75 | 2 | 11 | 1 | 14 | 248 |
| 04:45 PM | 37 | 44 | 9 | 90 | 29 | 25 | 27 | 81 | 0 | 38 | 22 | 60 | 9 | 13 | 0 | 22 | 253 |
| Total | 129 | 176 | 34 | 339 | 110 | 73 | 118 | 301 | 5 | 172 | 79 | 256 | 23 | 54 | 2 | 79 | 975 |
| 05:00 PM | 28 | 41 | 9 | 78 | 22 | 19 | 25 | 66 | 1 | 53 | 23 | 77 | 3 | 18 | 3 | 24 | 245 |
| 05:15 PM | 18 | 45 | 13 | 76 | 32 | 27 | 31 | 90 | 0 | 45 | 28 | 73 | 3 | 12 | 2 | 17 | 256 |
| 05:30 PM | 20 | 52 | 13 | 85 | 32 | 26 | 23 | 81 | 0 | 45 | 25 | 70 | 8 | 20 | 0 | 28 | 264 |
| 05:45 PM | 25 | 48 | 9 | 82 | 21 | 20 | 32 | 73 | 0 | 54 | 19 | 73 | 1 | 11 | 1 | 13 | 241 |
| Total | 91 | 186 | 44 | 321 | 107 | 92 | 111 | 310 | 1 | 197 | 95 | 293 | 15 | 61 | 6 | 82 | 1006 |
| Grand Total | 220 | 362 | 78 | 660 | 217 | 165 | 229 | 611 | 6 | 369 | 174 | 549 | 38 | 115 | 8 | 161 | 1981 |
| Apprch % | 33.3 | 54.8 | 11.8 | | 35.5 | 27 | 37.5 | | 1.1 | 67.2 | 31.7 | | 23.6 | 71.4 | 5 | | |
| Total % | 11.1 | 18.3 | 3.9 | 33.3 | 11 | 8.3 | 11.6 | 30.8 | 0.3 | 18.6 | 8.8 | 27.7 | 1.9 | 5.8 | 0.4 | 8.1 | |

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | **37** | 44 | 9 | **90** | 29 | 25 | 27 | 81 | 0 | 38 | 22 | 60 | **9** | 13 | 0 | 22 | 253 |
| 05:00 PM | 28 | 41 | 9 | 78 | 22 | 19 | 25 | 66 | **1** | **53** | 23 | **77** | 3 | 18 | **3** | 24 | 245 |
| 05:15 PM | 18 | 45 | **13** | 76 | **32** | **27** | **31** | **90** | 0 | 45 | **28** | 73 | 3 | 12 | 2 | 17 | 256 |
| 05:30 PM | 20 | **52** | 13 | 85 | 32 | 26 | 23 | 81 | 0 | 45 | 25 | 70 | 8 | **20** | 0 | **28** | **264** |
| Total Volume | 103 | 182 | 44 | 329 | 115 | 97 | 106 | 318 | 1 | 181 | 98 | 280 | 23 | 63 | 5 | 91 | 1018 |
| % App. Total | 31.3 | 55.3 | 13.4 | | 36.2 | 30.5 | 33.3 | | 0.4 | 64.6 | 35 | | 25.3 | 69.2 | 5.5 | | |
| PHF | .696 | .875 | .846 | .914 | .898 | .898 | .855 | .883 | .250 | .854 | .875 | .909 | .639 | .788 | .417 | .813 | .964 |

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City of Menifee
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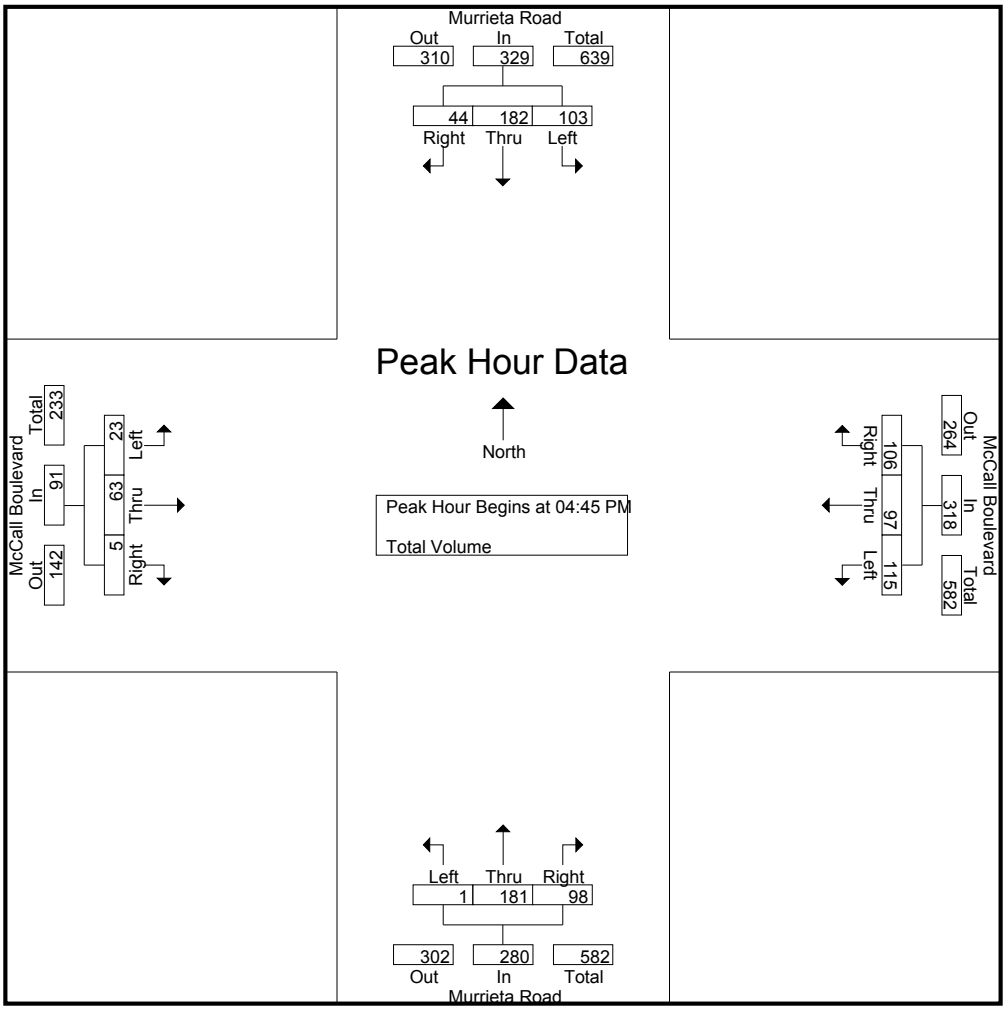
Weather: Sunny

File Name : MENMUMCPM
Site Code : 00000041
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:45 PM | | | | 05:00 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 32 | 41 | 7 | 80 | 29 | 25 | 27 | 81 | **1** | 53 | 23 | **77** | **9** | 13 | 0 | 22 |
| +15 mins. | 25 | 45 | **12** | 82 | 22 | 19 | 25 | 66 | 0 | 45 | **28** | 73 | 3 | 18 | **3** | 24 |
| +30 mins. | 35 | **46** | 6 | 87 | **32** | **27** | **31** | **90** | 0 | 45 | 25 | 70 | 3 | 12 | 2 | 17 |
| +45 mins. | **37** | 44 | 9 | **90** | 32 | 26 | 23 | 81 | 0 | **54** | 19 | 73 | 8 | **20** | 0 | **28** |
| Total Volume | 129 | 176 | 34 | 339 | 115 | 97 | 106 | 318 | 1 | 197 | 95 | 293 | 23 | 63 | 5 | 91 |
| % App. Total | 38.1 | 51.9 | 10 | | 36.2 | 30.5 | 33.3 | | 0.3 | 67.2 | 32.4 | | 25.3 | 69.2 | 5.5 | |
| PHF | .872 | .957 | .708 | .942 | .898 | .898 | .855 | .883 | .250 | .912 | .848 | .951 | .639 | .788 | .417 | .813 |

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City of Menifee
N/S: Murrieta Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMUMCSAT
Site Code : 00000041
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 24 | 35 | 2 | 61 | 34 | 18 | 24 | 76 | 1 | 47 | 21 | 69 | 2 | 10 | 2 | 14 | 220 |
| 12:15 PM | 22 | 51 | 1 | 74 | 33 | 20 | 22 | 75 | 0 | 51 | 24 | 75 | 2 | 8 | 1 | 11 | 235 |
| 12:30 PM | 15 | 44 | 0 | 59 | 37 | 16 | 29 | 82 | 4 | 42 | 28 | 74 | 1 | 6 | 0 | 7 | 222 |
| 12:45 PM | 21 | 50 | 2 | 73 | 31 | 13 | 24 | 68 | 1 | 52 | 33 | 86 | 2 | 15 | 3 | 20 | 247 |
| Total | 82 | 180 | 5 | 267 | 135 | 67 | 99 | 301 | 6 | 192 | 106 | 304 | 7 | 39 | 6 | 52 | 924 |
| | | | | | | | | | | | | | | | | | |
| 01:00 PM | 26 | 40 | 4 | 70 | 27 | 21 | 25 | 73 | 0 | 40 | 17 | 57 | 5 | 15 | 1 | 21 | 221 |
| 01:15 PM | 18 | 50 | 2 | 70 | 29 | 23 | 23 | 75 | 1 | 44 | 26 | 71 | 2 | 11 | 0 | 13 | 229 |
| 01:30 PM | 29 | 54 | 7 | 90 | 28 | 11 | 15 | 54 | 2 | 40 | 22 | 64 | 6 | 11 | 1 | 18 | 226 |
| 01:45 PM | 11 | 32 | 1 | 44 | 24 | 13 | 15 | 52 | 0 | 36 | 19 | 55 | 4 | 7 | 0 | 11 | 162 |
| Total | 84 | 176 | 14 | 274 | 108 | 68 | 78 | 254 | 3 | 160 | 84 | 247 | 17 | 44 | 2 | 63 | 838 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 166 | 356 | 19 | 541 | 243 | 135 | 177 | 555 | 9 | 352 | 190 | 551 | 24 | 83 | 8 | 115 | 1762 |
| Apprch % | 30.7 | 65.8 | 3.5 | | 43.8 | 24.3 | 31.9 | | 1.6 | 63.9 | 34.5 | | 20.9 | 72.2 | 7 | | |
| Total % | 9.4 | 20.2 | 1.1 | 30.7 | 13.8 | 7.7 | 10 | 31.5 | 0.5 | 20 | 10.8 | 31.3 | 1.4 | 4.7 | 0.5 | 6.5 | |

| | Murrieta Road Southbound | | | | McCall Boulevard Westbound | | | | Murrieta Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:15 PM | | | | | | | | | | | | | | | | | |
| 12:15 PM | 22 | **51** | 1 | **74** | 33 | 20 | 22 | 75 | 0 | 51 | 24 | 75 | 2 | 8 | 1 | 11 | 235 |
| 12:30 PM | 15 | 44 | 0 | 59 | **37** | 16 | **29** | **82** | **4** | 42 | 28 | 74 | 1 | 6 | 0 | 7 | 222 |
| 12:45 PM | 21 | 50 | 2 | 73 | 31 | 13 | 24 | 68 | 1 | **52** | **33** | **86** | 2 | **15** | **3** | 20 | **247** |
| 01:00 PM | **26** | 40 | **4** | 70 | 27 | **21** | 25 | 73 | 0 | 40 | 17 | 57 | **5** | 15 | 1 | **21** | 221 |
| Total Volume | 84 | 185 | 7 | 276 | 128 | 70 | 100 | 298 | 5 | 185 | 102 | 292 | 10 | 44 | 5 | 59 | 925 |
| % App. Total | 30.4 | 67 | 2.5 | | 43 | 23.5 | 33.6 | | 1.7 | 63.4 | 34.9 | | 16.9 | 74.6 | 8.5 | | |
| PHF | .808 | .907 | .438 | .932 | .865 | .833 | .862 | .909 | .313 | .889 | .773 | .849 | .500 | .733 | .417 | .702 | .936 |

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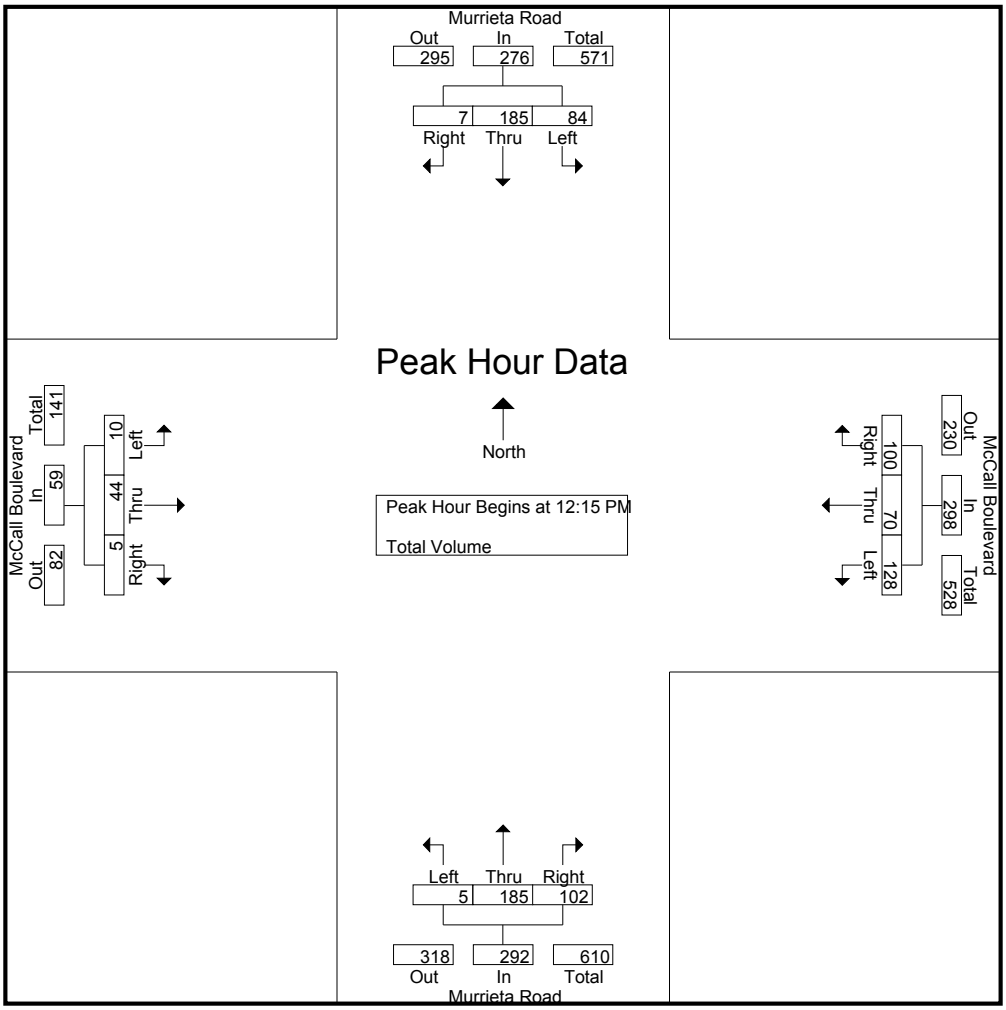
File Name : MENMUMCSAT
Site Code : 00000041
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:45 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 21 | 50 | 2 | 73 | 34 | 18 | 24 | 76 | 1 | 47 | 21 | 69 | 2 | **15** | **3** | 20 |
| +15 mins. | 26 | 40 | 4 | 70 | 33 | **20** | 22 | 75 | 0 | 51 | 24 | 75 | 5 | 15 | 1 | **21** |
| +30 mins. | 18 | 50 | 2 | 70 | **37** | 16 | **29** | **82** | **4** | 42 | 28 | 74 | 2 | 11 | 0 | 13 |
| +45 mins. | **29** | **54** | **7** | **90** | 31 | 13 | 24 | 68 | 1 | **52** | **33** | **86** | **6** | 11 | 1 | 18 |
| Total Volume | 94 | 194 | 15 | 303 | 135 | 67 | 99 | 301 | 6 | 192 | 106 | 304 | 15 | 52 | 5 | 72 |
| % App. Total | 31 | 64 | 5 | | 44.9 | 22.3 | 32.9 | | 2 | 63.2 | 34.9 | | 20.8 | 72.2 | 6.9 | |
| PHF | .810 | .898 | .536 | .842 | .912 | .838 | .853 | .918 | .375 | .923 | .803 | .884 | .625 | .867 | .417 | .857 |

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City of Menifee
N/S: Murrieta Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENMUCLAM
Site Code : 00000045
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 30 | 6 | 42 | 6 | 3 | 1 | 10 | 3 | 42 | 4 | 49 | 2 | 3 | 5 | 10 | 111 |
| 07:15 AM | 3 | 51 | 10 | 64 | 5 | 3 | 6 | 14 | 0 | 51 | 2 | 53 | 4 | 10 | 12 | 26 | 157 |
| 07:30 AM | 1 | 49 | 7 | 57 | 3 | 6 | 4 | 13 | 1 | 65 | 4 | 70 | 5 | 9 | 5 | 19 | 159 |
| 07:45 AM | 6 | 47 | 10 | 63 | 7 | 6 | 7 | 20 | 4 | 71 | 10 | 85 | 5 | 15 | 8 | 28 | 196 |
| Total | 16 | 177 | 33 | 226 | 21 | 18 | 18 | 57 | 8 | 229 | 20 | 257 | 16 | 37 | 30 | 83 | 623 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 6 | 43 | 12 | 61 | 4 | 2 | 2 | 8 | 0 | 36 | 6 | 42 | 2 | 5 | 11 | 18 | 129 |
| 08:15 AM | 4 | 62 | 12 | 78 | 10 | 2 | 3 | 15 | 2 | 45 | 6 | 53 | 1 | 14 | 8 | 23 | 169 |
| 08:30 AM | 6 | 61 | 12 | 79 | 12 | 8 | 6 | 26 | 1 | 43 | 12 | 56 | 2 | 12 | 11 | 25 | 186 |
| 08:45 AM | 5 | 63 | 11 | 79 | 9 | 5 | 5 | 19 | 1 | 45 | 15 | 61 | 5 | 13 | 8 | 26 | 185 |
| Total | 21 | 229 | 47 | 297 | 35 | 17 | 16 | 68 | 4 | 169 | 39 | 212 | 10 | 44 | 38 | 92 | 669 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 37 | 406 | 80 | 523 | 56 | 35 | 34 | 125 | 12 | 398 | 59 | 469 | 26 | 81 | 68 | 175 | 1292 |
| Apprch % | 7.1 | 77.6 | 15.3 | | 44.8 | 28 | 27.2 | | 2.6 | 84.9 | 12.6 | | 14.9 | 46.3 | 38.9 | | |
| Total % | 2.9 | 31.4 | 6.2 | 40.5 | 4.3 | 2.7 | 2.6 | 9.7 | 0.9 | 30.8 | 4.6 | 36.3 | 2 | 6.3 | 5.3 | 13.5 | |

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **6** | 47 | 10 | 63 | 7 | 6 | **7** | 20 | **4** | **71** | 10 | **85** | **5** | **15** | 8 | **28** | **196** |
| 08:00 AM | 6 | 43 | **12** | 61 | 4 | 2 | 2 | 8 | 0 | 36 | 6 | 42 | 2 | 5 | **11** | 18 | 129 |
| 08:15 AM | 4 | **62** | 12 | 78 | 10 | 2 | 3 | 15 | 2 | 45 | 6 | 53 | 1 | 14 | 8 | 23 | 169 |
| 08:30 AM | 6 | 61 | 12 | **79** | **12** | **8** | 6 | **26** | 1 | 43 | **12** | 56 | 2 | 12 | 11 | 25 | 186 |
| Total Volume | 22 | 213 | 46 | 281 | 33 | 18 | 18 | 69 | 7 | 195 | 34 | 236 | 10 | 46 | 38 | 94 | 680 |
| % App. Total | 7.8 | 75.8 | 16.4 | | 47.8 | 26.1 | 26.1 | | 3 | 82.6 | 14.4 | | 10.6 | 48.9 | 40.4 | | |
| PHF | .917 | .859 | .958 | .889 | .688 | .563 | .643 | .663 | .438 | .687 | .708 | .694 | .500 | .767 | .864 | .839 | .867 |

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N/S: Murrieta Road
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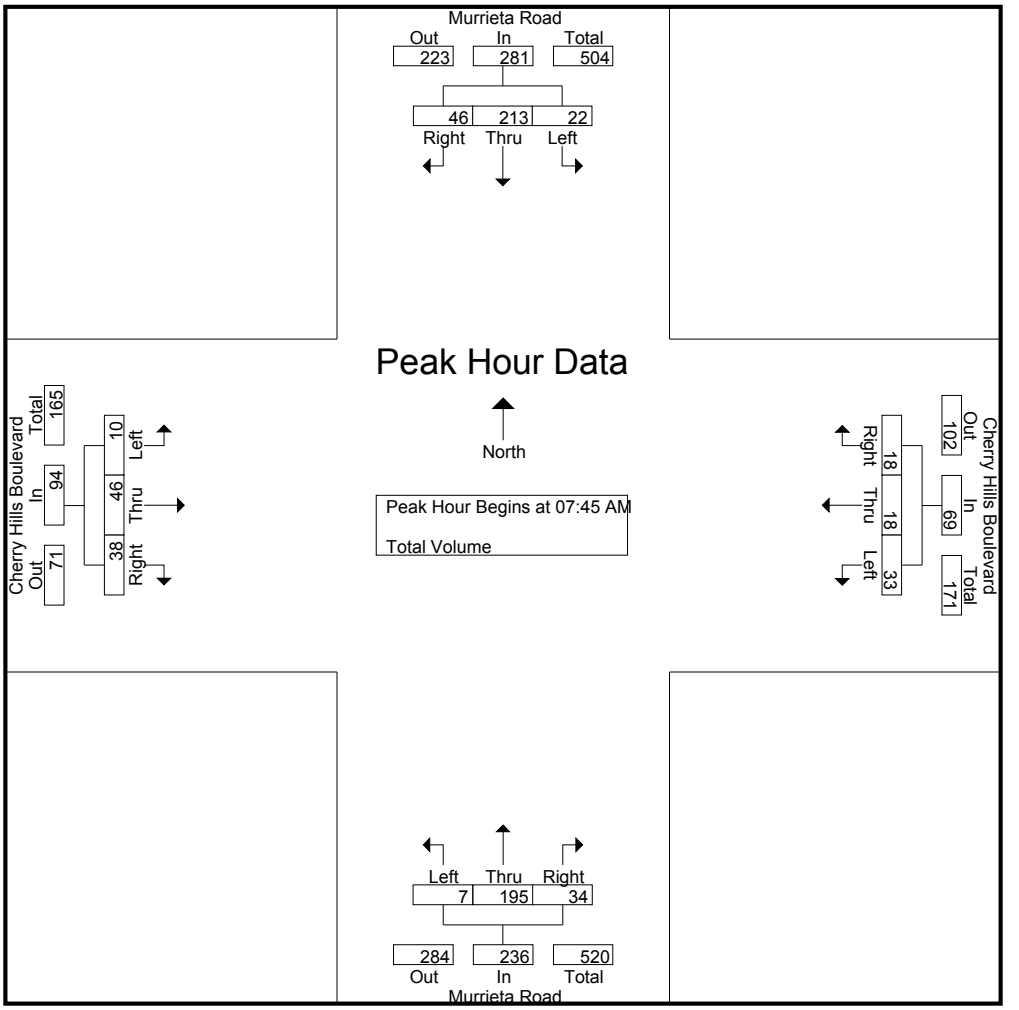
File Name : MENMUCLAM
Site Code : 00000045
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:45 AM | | | | 07:00 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **6** | 43 | **12** | 61 | 7 | 6 | **7** | 20 | 3 | 42 | 4 | 49 | **5** | **15** | 8 | **28** |
| +15 mins. | 4 | 62 | 12 | 78 | 4 | 2 | 2 | 8 | 0 | 51 | 2 | 53 | 2 | 5 | **11** | 18 |
| +30 mins. | 6 | 61 | 12 | **79** | 10 | 2 | 3 | 15 | 1 | 65 | 4 | 70 | 1 | 14 | 8 | 23 |
| +45 mins. | 5 | **63** | 11 | 79 | **12** | **8** | 6 | **26** | **4** | **71** | **10** | **85** | 2 | 12 | 11 | 25 |
| Total Volume | 21 | 229 | 47 | 297 | 33 | 18 | 18 | 69 | 8 | 229 | 20 | 257 | 10 | 46 | 38 | 94 |
| % App. Total | 7.1 | 77.1 | 15.8 | | 47.8 | 26.1 | 26.1 | | 3.1 | 89.1 | 7.8 | | 10.6 | 48.9 | 40.4 | |
| PHF | .875 | .909 | .979 | .940 | .688 | .563 | .643 | .663 | .500 | .806 | .500 | .756 | .500 | .767 | .864 | .839 |

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City of Menifee
N/S: Murrieta Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENMUCLPM
Site Code : 00000045
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 3 | 58 | 4 | 65 | 19 | 6 | 5 | 30 | 0 | 48 | 10 | 58 | 0 | 13 | 4 | 17 | 170 |
| 04:15 PM | 3 | 68 | 2 | 73 | 10 | 8 | 1 | 19 | 2 | 69 | 13 | 84 | 1 | 7 | 1 | 9 | 185 |
| 04:30 PM | 5 | 70 | 3 | 78 | 13 | 14 | 5 | 32 | 3 | 66 | 15 | 84 | 2 | 9 | 0 | 11 | 205 |
| 04:45 PM | 3 | 64 | 2 | 69 | 13 | 7 | 2 | 22 | 1 | 59 | 21 | 81 | 2 | 7 | 1 | 10 | 182 |
| Total | 14 | 260 | 11 | 285 | 55 | 35 | 13 | 103 | 6 | 242 | 59 | 307 | 5 | 36 | 6 | 47 | 742 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 6 | 59 | 0 | 65 | 13 | 11 | 3 | 27 | 3 | 65 | 3 | 71 | 4 | 8 | 0 | 12 | 175 |
| 05:15 PM | 5 | 75 | 2 | 82 | 17 | 8 | 3 | 28 | 1 | 68 | 10 | 79 | 1 | 9 | 3 | 13 | 202 |
| 05:30 PM | 6 | 75 | 2 | 83 | 12 | 12 | 1 | 25 | 1 | 62 | 9 | 72 | 5 | 8 | 0 | 13 | 193 |
| 05:45 PM | 3 | 70 | 4 | 77 | 8 | 9 | 3 | 20 | 3 | 70 | 5 | 78 | 4 | 11 | 2 | 17 | 192 |
| Total | 20 | 279 | 8 | 307 | 50 | 40 | 10 | 100 | 8 | 265 | 27 | 300 | 14 | 36 | 5 | 55 | 762 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 34 | 539 | 19 | 592 | 105 | 75 | 23 | 203 | 14 | 507 | 86 | 607 | 19 | 72 | 11 | 102 | 1504 |
| Apprch % | 5.7 | 91 | 3.2 | | 51.7 | 36.9 | 11.3 | | 2.3 | 83.5 | 14.2 | | 18.6 | 70.6 | 10.8 | | |
| Total % | 2.3 | 35.8 | 1.3 | 39.4 | 7 | 5 | 1.5 | 13.5 | 0.9 | 33.7 | 5.7 | 40.4 | 1.3 | 4.8 | 0.7 | 6.8 | |

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 5 | 70 | **3** | 78 | 13 | **14** | **5** | **32** | **3** | 66 | 15 | **84** | 2 | **9** | 0 | 11 | **205** |
| 04:45 PM | 3 | 64 | 2 | 69 | 13 | 7 | 2 | 22 | 1 | 59 | **21** | 81 | 2 | 7 | 1 | 10 | 182 |
| 05:00 PM | **6** | 59 | 0 | 65 | 13 | 11 | 3 | 27 | 3 | 65 | 3 | 71 | **4** | 8 | 0 | 12 | 175 |
| 05:15 PM | 5 | **75** | 2 | **82** | **17** | 8 | 3 | 28 | 1 | **68** | 10 | 79 | 1 | 9 | **3** | **13** | 202 |
| Total Volume | 19 | 268 | 7 | 294 | 56 | 40 | 13 | 109 | 8 | 258 | 49 | 315 | 9 | 33 | 4 | 46 | 764 |
| % App. Total | 6.5 | 91.2 | 2.4 | | 51.4 | 36.7 | 11.9 | | 2.5 | 81.9 | 15.6 | | 19.6 | 71.7 | 8.7 | | |
| PHF | .792 | .893 | .583 | .896 | .824 | .714 | .650 | .852 | .667 | .949 | .583 | .938 | .563 | .917 | .333 | .885 | .932 |

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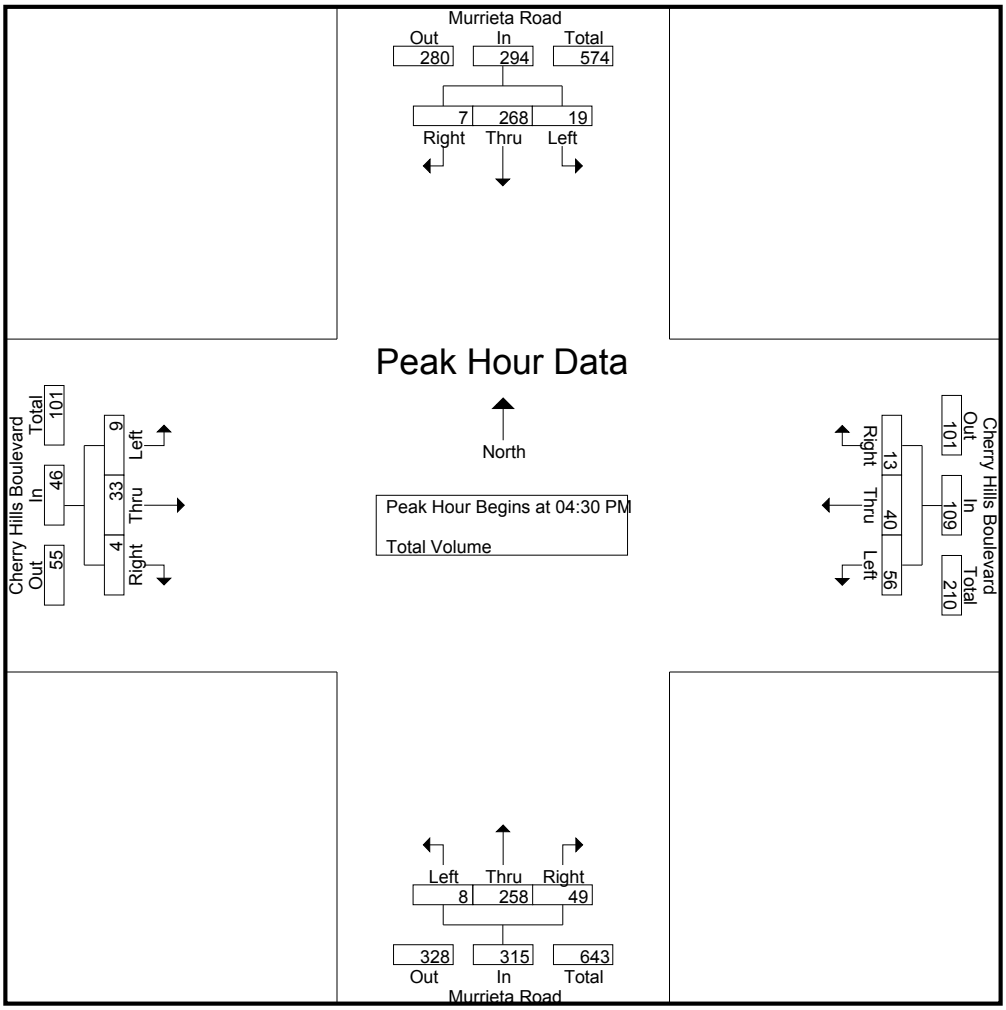
City of Menifee
N/S: Murrieta Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENMUCLPM
Site Code : 00000045
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 04:30 PM | | | | 04:15 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **6** | 59 | 0 | 65 | 13 | **14** | **5** | **32** | 2 | **69** | 13 | **84** | 4 | 8 | 0 | 12 |
| +15 mins. | 5 | **75** | 2 | 82 | 13 | 7 | 2 | 22 | **3** | 66 | 15 | 84 | 1 | 9 | **3** | 13 |
| +30 mins. | 6 | 75 | 2 | **83** | 13 | 11 | 3 | 27 | 1 | 59 | **21** | 81 | **5** | 8 | 0 | 13 |
| +45 mins. | 3 | 70 | **4** | 77 | **17** | 8 | 3 | 28 | 3 | 65 | 3 | 71 | 4 | **11** | 2 | **17** |
| Total Volume | 20 | 279 | 8 | 307 | 56 | 40 | 13 | 109 | 9 | 259 | 52 | 320 | 14 | 36 | 5 | 55 |
| % App. Total | 6.5 | 90.9 | 2.6 | | 51.4 | 36.7 | 11.9 | | 2.8 | 80.9 | 16.2 | | 25.5 | 65.5 | 9.1 | |
| PHF | .833 | .930 | .500 | .925 | .824 | .714 | .650 | .852 | .750 | .938 | .619 | .952 | .700 | .818 | .417 | .809 |

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PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Murrieta Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENMUCLSAT
Site Code : 00000045
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 2 | 58 | 4 | 64 | 23 | 7 | 5 | 35 | 4 | 68 | 7 | 79 | 2 | 11 | 3 | 16 | 194 |
| 12:15 PM | 3 | 84 | 2 | 89 | 17 | 12 | 3 | 32 | 3 | 61 | 22 | 86 | 4 | 11 | 4 | 19 | 226 |
| 12:30 PM | 2 | 79 | 1 | 82 | 24 | 15 | 6 | 45 | 3 | 70 | 18 | 91 | 3 | 6 | 5 | 14 | 232 |
| 12:45 PM | 4 | 67 | 3 | 74 | 16 | 5 | 2 | 23 | 5 | 90 | 17 | 112 | 2 | 6 | 4 | 12 | 221 |
| Total | 11 | 288 | 10 | 309 | 80 | 39 | 16 | 135 | 15 | 289 | 64 | 368 | 11 | 34 | 16 | 61 | 873 |
| | | | | | | | | | | | | | | | | | |
| 01:00 PM | 9 | 59 | 1 | 69 | 18 | 11 | 3 | 32 | 2 | 64 | 19 | 85 | 6 | 8 | 5 | 19 | 205 |
| 01:15 PM | 5 | 72 | 0 | 77 | 15 | 11 | 8 | 34 | 3 | 50 | 6 | 59 | 2 | 5 | 2 | 9 | 179 |
| 01:30 PM | 3 | 87 | 5 | 95 | 25 | 10 | 6 | 41 | 3 | 59 | 8 | 70 | 1 | 3 | 1 | 5 | 211 |
| 01:45 PM | 1 | 69 | 2 | 72 | 15 | 5 | 4 | 24 | 1 | 60 | 8 | 69 | 1 | 6 | 0 | 7 | 172 |
| Total | 18 | 287 | 8 | 313 | 73 | 37 | 21 | 131 | 9 | 233 | 41 | 283 | 10 | 22 | 8 | 40 | 767 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 29 | 575 | 18 | 622 | 153 | 76 | 37 | 266 | 24 | 522 | 105 | 651 | 21 | 56 | 24 | 101 | 1640 |
| Apprch % | 4.7 | 92.4 | 2.9 | | 57.5 | 28.6 | 13.9 | | 3.7 | 80.2 | 16.1 | | 20.8 | 55.4 | 23.8 | | |
| Total % | 1.8 | 35.1 | 1.1 | 37.9 | 9.3 | 4.6 | 2.3 | 16.2 | 1.5 | 31.8 | 6.4 | 39.7 | 1.3 | 3.4 | 1.5 | 6.2 | |

| | Murrieta Road Southbound | | | | Cherry Hills Boulevard Westbound | | | | Murrieta Road Northbound | | | | Cherry Hills Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:15 PM | | | | | | | | | | | | | | | | | |
| 12:15 PM | 3 | **84** | 2 | **89** | 17 | 12 | 3 | 32 | 3 | 61 | **22** | 86 | 4 | **11** | 4 | **19** | 226 |
| 12:30 PM | 2 | 79 | 1 | 82 | **24** | **15** | **6** | **45** | 3 | 70 | 18 | 91 | 3 | 6 | **5** | 14 | **232** |
| 12:45 PM | 4 | 67 | **3** | 74 | 16 | 5 | 2 | 23 | **5** | **90** | 17 | **112** | 2 | 6 | 4 | 12 | 221 |
| 01:00 PM | **9** | 59 | 1 | 69 | 18 | 11 | 3 | 32 | 2 | 64 | 19 | 85 | **6** | 8 | 5 | 19 | 205 |
| Total Volume | 18 | 289 | 7 | 314 | 75 | 43 | 14 | 132 | 13 | 285 | 76 | 374 | 15 | 31 | 18 | 64 | 884 |
| % App. Total | 5.7 | 92 | 2.2 | | 56.8 | 32.6 | 10.6 | | 3.5 | 76.2 | 20.3 | | 23.4 | 48.4 | 28.1 | | |
| PHF | .500 | .860 | .583 | .882 | .781 | .717 | .583 | .733 | .650 | .792 | .864 | .835 | .625 | .705 | .900 | .842 | .953 |

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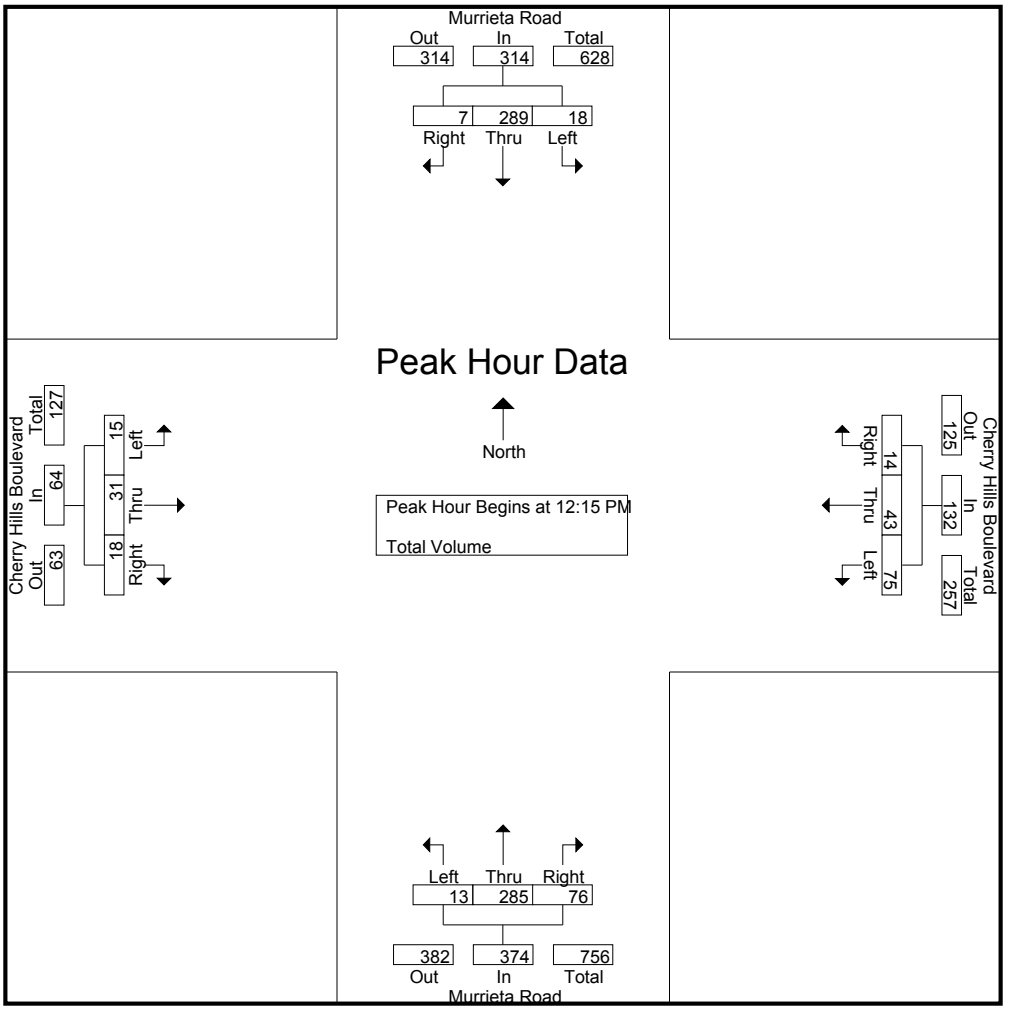
City of Menifee
N/S: Murrieta Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENMUCLSAT
Site Code : 00000045
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:45 PM | | | | 12:00 PM | | | | 12:15 PM | | | | 12:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 4 | 67 | 3 | 74 | 23 | 7 | 5 | 35 | 3 | 61 | **22** | 86 | 4 | **11** | 4 | **19** |
| +15 mins. | **9** | 59 | 1 | 69 | 17 | 12 | 3 | 32 | 3 | 70 | 18 | 91 | 3 | 6 | **5** | 14 |
| +30 mins. | 5 | 72 | 0 | 77 | **24** | **15** | **6** | **45** | **5** | **90** | 17 | **112** | 2 | 6 | 4 | 12 |
| +45 mins. | 3 | **87** | **5** | **95** | 16 | 5 | 2 | 23 | 2 | 64 | 19 | 85 | **6** | 8 | 5 | 19 |
| Total Volume | 21 | 285 | 9 | 315 | 80 | 39 | 16 | 135 | 13 | 285 | 76 | 374 | 15 | 31 | 18 | 64 |
| % App. Total | 6.7 | 90.5 | 2.9 | | 59.3 | 28.9 | 11.9 | | 3.5 | 76.2 | 20.3 | | 23.4 | 48.4 | 28.1 | |
| PHF | .583 | .819 | .450 | .829 | .833 | .650 | .667 | .750 | .650 | .792 | .864 | .835 | .625 | .705 | .900 | .842 |

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City of Menifee
N/S: Murrieta Road
E/W: Newport Road
Weather: Clear

File Name : MENMUNEAM
Site Code : 00000051
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Newport Road Westbound | | | | Murrieta Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 96 | 6 | 41 | 143 | 3 | 100 | 43 | 146 | 5 | 2 | 7 | 14 | 17 | 180 | 0 | 197 | 500 |
| 07:15 AM | 150 | 8 | 22 | 180 | 4 | 113 | 48 | 165 | 3 | 5 | 10 | 18 | 20 | 223 | 1 | 244 | 607 |
| 07:30 AM | 110 | 10 | 27 | 147 | 9 | 135 | 62 | 206 | 4 | 12 | 5 | 21 | 20 | 161 | 5 | 186 | 560 |
| 07:45 AM | 85 | 13 | 29 | 127 | 24 | 167 | 46 | 237 | 5 | 8 | 6 | 19 | 39 | 149 | 5 | 193 | 576 |
| Total | 441 | 37 | 119 | 597 | 40 | 515 | 199 | 754 | 17 | 27 | 28 | 72 | 96 | 713 | 11 | 820 | 2243 |
| 08:00 AM | 100 | 10 | 36 | 146 | 9 | 130 | 39 | 178 | 7 | 13 | 5 | 25 | 24 | 141 | 4 | 169 | 518 |
| 08:15 AM | 74 | 6 | 32 | 112 | 12 | 129 | 39 | 180 | 15 | 12 | 6 | 33 | 26 | 183 | 4 | 213 | 538 |
| 08:30 AM | 97 | 8 | 35 | 140 | 5 | 148 | 54 | 207 | 9 | 9 | 13 | 31 | 27 | 121 | 7 | 155 | 533 |
| 08:45 AM | 70 | 9 | 33 | 112 | 7 | 133 | 59 | 199 | 9 | 8 | 4 | 21 | 27 | 142 | 4 | 173 | 505 |
| Total | 341 | 33 | 136 | 510 | 33 | 540 | 191 | 764 | 40 | 42 | 28 | 110 | 104 | 587 | 19 | 710 | 2094 |
| Grand Total | 782 | 70 | 255 | 1107 | 73 | 1055 | 390 | 1518 | 57 | 69 | 56 | 182 | 200 | 1300 | 30 | 1530 | 4337 |
| Apprch % | 70.6 | 6.3 | 23 | | 4.8 | 69.5 | 25.7 | | 31.3 | 37.9 | 30.8 | | 13.1 | 85 | 2 | | |
| Total % | 18 | 1.6 | 5.9 | 25.5 | 1.7 | 24.3 | 9 | 35 | 1.3 | 1.6 | 1.3 | 4.2 | 4.6 | 30 | 0.7 | 35.3 | |

| | Murrieta Road Southbound | | | | Newport Road Westbound | | | | Murrieta Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **150** | 8 | 22 | **180** | 4 | 113 | 48 | 165 | 3 | 5 | **10** | 18 | 20 | **223** | 1 | **244** | **607** |
| 07:30 AM | 110 | 10 | 27 | 147 | 9 | 135 | **62** | 206 | 4 | 12 | 5 | 21 | 20 | 161 | **5** | 186 | 560 |
| 07:45 AM | 85 | **13** | 29 | 127 | **24** | **167** | 46 | **237** | 5 | 8 | 6 | 19 | **39** | 149 | 5 | 193 | 576 |
| 08:00 AM | 100 | 10 | **36** | 146 | 9 | 130 | 39 | 178 | **7** | **13** | 5 | **25** | 24 | 141 | 4 | 169 | 518 |
| Total Volume | 445 | 41 | 114 | 600 | 46 | 545 | 195 | 786 | 19 | 38 | 26 | 83 | 103 | 674 | 15 | 792 | 2261 |
| % App. Total | 74.2 | 6.8 | 19 | | 5.9 | 69.3 | 24.8 | | 22.9 | 45.8 | 31.3 | | 13 | 85.1 | 1.9 | | |
| PHF | .742 | .788 | .792 | .833 | .479 | .816 | .786 | .829 | .679 | .731 | .650 | .830 | .660 | .756 | .750 | .811 | .931 |

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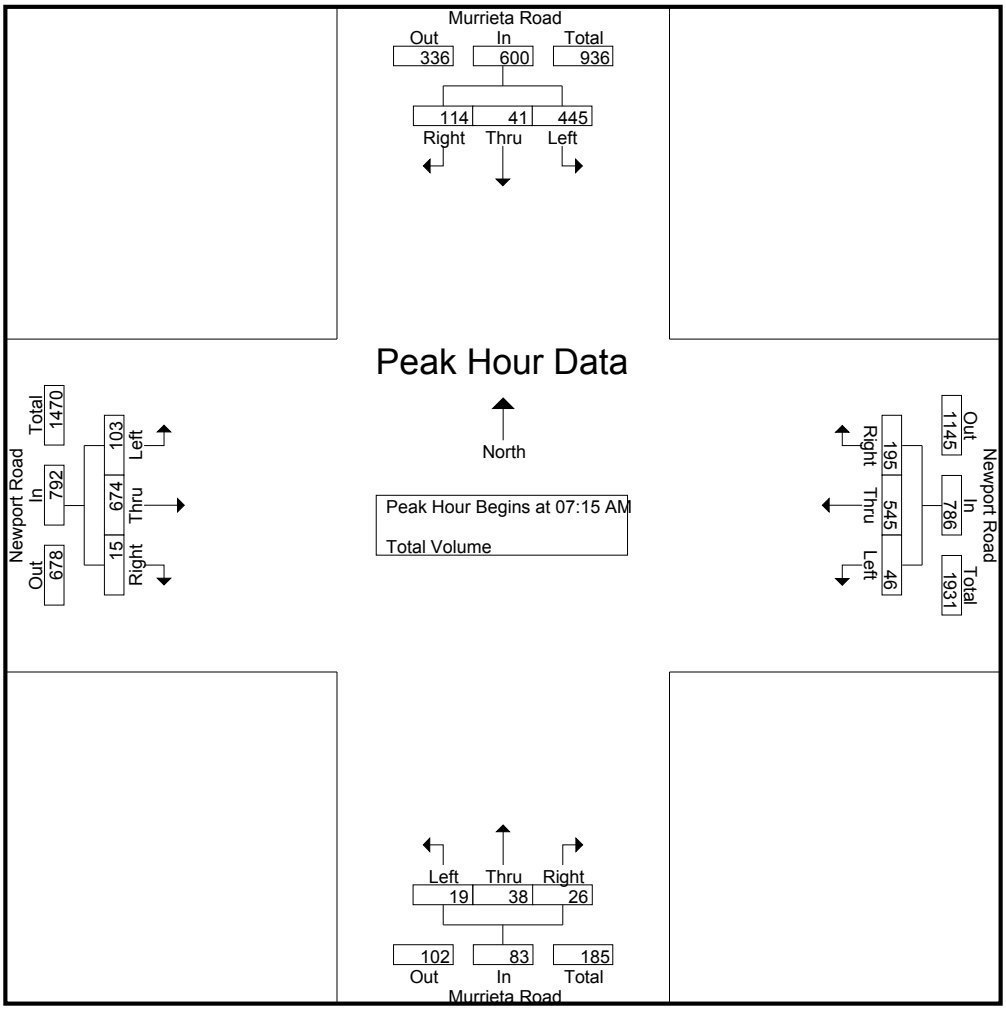
City of Menifee
N/S: Murrieta Road
E/W: Newport Road
Weather: Clear

File Name : MENMUNEAM
Site Code : 00000051
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:45 AM | | | | 08:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **150** | 8 | 22 | **180** | **24** | **167** | 46 | **237** | 7 | **13** | 5 | 25 | 17 | 180 | 0 | 197 |
| +15 mins. | 110 | 10 | 27 | 147 | 9 | 130 | 39 | 178 | **15** | 12 | 6 | **33** | 20 | **223** | 1 | **244** |
| +30 mins. | 85 | **13** | 29 | 127 | 12 | 129 | 39 | 180 | 9 | 9 | **13** | 31 | 20 | 161 | **5** | 186 |
| +45 mins. | 100 | 10 | **36** | 146 | 5 | 148 | **54** | 207 | 9 | 8 | 4 | 21 | **39** | 149 | 5 | 193 |
| Total Volume | 445 | 41 | 114 | 600 | 50 | 574 | 178 | 802 | 40 | 42 | 28 | 110 | 96 | 713 | 11 | 820 |
| % App. Total | 74.2 | 6.8 | 19 | | 6.2 | 71.6 | 22.2 | | 36.4 | 38.2 | 25.5 | | 11.7 | 87 | 1.3 | |
| PHF | .742 | .788 | .792 | .833 | .521 | .859 | .824 | .846 | .667 | .808 | .538 | .833 | .615 | .799 | .550 | .840 |

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City of Menifee
N/S: Murrieta Road
E/W: Newport Road
Weather: Clear

File Name : MENMUNEPM
Site Code : 00000051
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Murrieta Road Southbound | | | | Newport Road Westbound | | | | Murrieta Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 76 | 18 | 33 | 127 | 13 | 180 | 68 | 261 | 12 | 21 | 11 | 44 | 44 | 155 | 1 | 200 | 632 |
| 04:15 PM | 61 | 11 | 37 | 109 | 10 | 180 | 86 | 276 | 12 | 15 | 6 | 33 | 30 | 151 | 3 | 184 | 602 |
| 04:30 PM | 81 | 21 | 37 | 139 | 12 | 197 | 87 | 296 | 13 | 6 | 7 | 26 | 42 | 147 | 4 | 193 | 654 |
| 04:45 PM | 97 | 17 | 34 | 148 | 8 | 176 | 77 | 261 | 11 | 18 | 16 | 45 | 41 | 159 | 5 | 205 | 659 |
| Total | 315 | 67 | 141 | 523 | 43 | 733 | 318 | 1094 | 48 | 60 | 40 | 148 | 157 | 612 | 13 | 782 | 2547 |
| 05:00 PM | 77 | 14 | 30 | 121 | 16 | 184 | 85 | 285 | 14 | 20 | 17 | 51 | 43 | 160 | 5 | 208 | 665 |
| 05:15 PM | 75 | 6 | 33 | 114 | 13 | 202 | 69 | 284 | 16 | 12 | 12 | 40 | 36 | 177 | 6 | 219 | 657 |
| 05:30 PM | 77 | 8 | 28 | 113 | 5 | 192 | 61 | 258 | 16 | 15 | 6 | 37 | 39 | 158 | 3 | 200 | 608 |
| 05:45 PM | 72 | 15 | 26 | 113 | 17 | 174 | 67 | 258 | 17 | 17 | 7 | 41 | 43 | 152 | 3 | 198 | 610 |
| Total | 301 | 43 | 117 | 461 | 51 | 752 | 282 | 1085 | 63 | 64 | 42 | 169 | 161 | 647 | 17 | 825 | 2540 |
| Grand Total | 616 | 110 | 258 | 984 | 94 | 1485 | 600 | 2179 | 111 | 124 | 82 | 317 | 318 | 1259 | 30 | 1607 | 5087 |
| Apprch % | 62.6 | 11.2 | 26.2 | | 4.3 | 68.2 | 27.5 | | 35 | 39.1 | 25.9 | | 19.8 | 78.3 | 1.9 | | |
| Total % | 12.1 | 2.2 | 5.1 | 19.3 | 1.8 | 29.2 | 11.8 | 42.8 | 2.2 | 2.4 | 1.6 | 6.2 | 6.3 | 24.7 | 0.6 | 31.6 | |

| | Murrieta Road Southbound | | | | Newport Road Westbound | | | | Murrieta Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 81 | **21** | **37** | 139 | 12 | 197 | **87** | **296** | 13 | 6 | 7 | 26 | 42 | 147 | 4 | 193 | 654 |
| 04:45 PM | **97** | 17 | 34 | **148** | 8 | 176 | 77 | 261 | 11 | 18 | 16 | 45 | 41 | 159 | 5 | 205 | 659 |
| 05:00 PM | 77 | 14 | 30 | 121 | **16** | 184 | 85 | 285 | 14 | **20** | **17** | **51** | **43** | 160 | 5 | 208 | **665** |
| 05:15 PM | 75 | 6 | 33 | 114 | 13 | **202** | 69 | 284 | **16** | 12 | 12 | 40 | 36 | **177** | **6** | **219** | 657 |
| Total Volume | 330 | 58 | 134 | 522 | 49 | 759 | 318 | 1126 | 54 | 56 | 52 | 162 | 162 | 643 | 20 | 825 | 2635 |
| % App. Total | 63.2 | 11.1 | 25.7 | | 4.4 | 67.4 | 28.2 | | 33.3 | 34.6 | 32.1 | | 19.6 | 77.9 | 2.4 | | |
| PHF | .851 | .690 | .905 | .882 | .766 | .939 | .914 | .951 | .844 | .700 | .765 | .794 | .942 | .908 | .833 | .942 | .991 |

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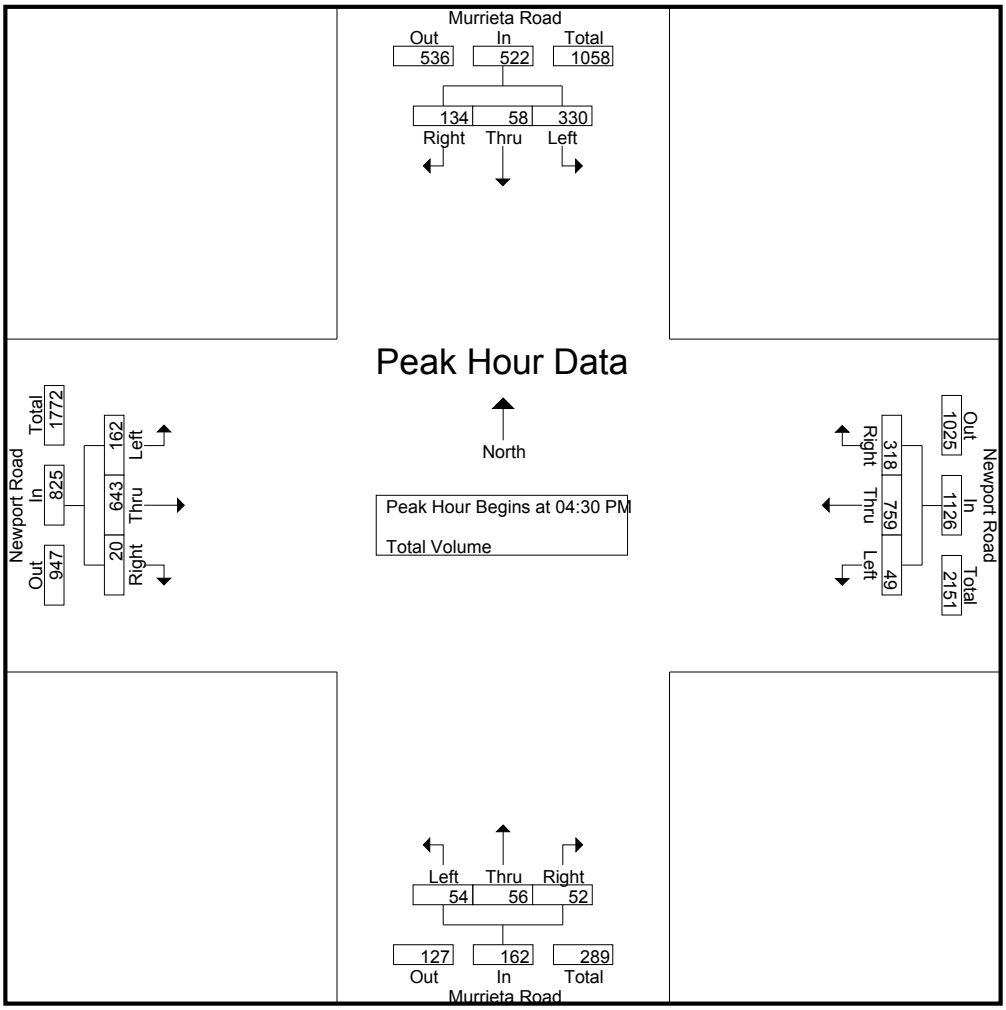
City of Menifee
N/S: Murrieta Road
E/W: Newport Road
Weather: Clear

File Name : MENMUNEPM
Site Code : 00000051
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:30 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 76 | 18 | 33 | 127 | 12 | 197 | **87** | **296** | 11 | 18 | 16 | 45 | 41 | 159 | 5 | 205 |
| +15 mins. | 61 | 11 | **37** | 109 | 8 | 176 | 77 | 261 | 14 | **20** | **17** | **51** | **43** | 160 | 5 | 208 |
| +30 mins. | 81 | **21** | 37 | 139 | **16** | 184 | 85 | 285 | **16** | 12 | 12 | 40 | 36 | **177** | **6** | **219** |
| +45 mins. | **97** | 17 | 34 | **148** | 13 | **202** | 69 | 284 | 16 | 15 | 6 | 37 | 39 | 158 | 3 | 200 |
| Total Volume | 315 | 67 | 141 | 523 | 49 | 759 | 318 | 1126 | 57 | 65 | 51 | 173 | 159 | 654 | 19 | 832 |
| % App. Total | 60.2 | 12.8 | 27 | | 4.4 | 67.4 | 28.2 | | 32.9 | 37.6 | 29.5 | | 19.1 | 78.6 | 2.3 | |
| PHF | .812 | .798 | .953 | .883 | .766 | .939 | .914 | .951 | .891 | .813 | .750 | .848 | .924 | .924 | .792 | .950 |

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City of Menifee
N/S: Murrieta Road
E/W: Scott Road
Weather: Clear

File Name : MENMUSCAM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | Scott Road Westbound | | | Scott Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 07:00 AM | 23 | 22 | 45 | 35 | 15 | 50 | 22 | 59 | 81 | 176 |
| 07:15 AM | 14 | 38 | 52 | 53 | 21 | 74 | 42 | 67 | 109 | 235 |
| 07:30 AM | 25 | 52 | 77 | 68 | 21 | 89 | 20 | 78 | 98 | 264 |
| 07:45 AM | 16 | 38 | 54 | 56 | 19 | 75 | 20 | 59 | 79 | 208 |
| Total | 78 | 150 | 228 | 212 | 76 | 288 | 104 | 263 | 367 | 883 |
| 08:00 AM | 24 | 22 | 46 | 66 | 19 | 85 | 18 | 56 | 74 | 205 |
| 08:15 AM | 21 | 41 | 62 | 85 | 11 | 96 | 26 | 61 | 87 | 245 |
| 08:30 AM | 27 | 40 | 67 | 57 | 17 | 74 | 23 | 58 | 81 | 222 |
| 08:45 AM | 16 | 20 | 36 | 70 | 10 | 80 | 19 | 60 | 79 | 195 |
| Total | 88 | 123 | 211 | 278 | 57 | 335 | 86 | 235 | 321 | 867 |
| Grand Total | 166 | 273 | 439 | 490 | 133 | 623 | 190 | 498 | 688 | 1750 |
| Apprch % | 37.8 | 62.2 | | 78.7 | 21.3 | | 27.6 | 72.4 | | |
| Total % | 9.5 | 15.6 | 25.1 | 28 | 7.6 | 35.6 | 10.9 | 28.5 | 39.3 | |

| | Menifee Road Southbound | | | Scott Road Westbound | | | Scott Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:30 AM | | | | | | | | | | |
| 07:30 AM | **25** | **52** | **77** | 68 | **21** | 89 | 20 | **78** | **98** | **264** |
| 07:45 AM | 16 | 38 | 54 | 56 | 19 | 75 | 20 | 59 | 79 | 208 |
| 08:00 AM | 24 | 22 | 46 | 66 | 19 | 85 | 18 | 56 | 74 | 205 |
| 08:15 AM | 21 | 41 | 62 | **85** | 11 | **96** | **26** | 61 | 87 | 245 |
| Total Volume | 86 | 153 | 239 | 275 | 70 | 345 | 84 | 254 | 338 | 922 |
| % App. Total | 36 | 64 | | 79.7 | 20.3 | | 24.9 | 75.1 | | |
| PHF | .860 | .736 | .776 | .809 | .833 | .898 | .808 | .814 | .862 | .873 |

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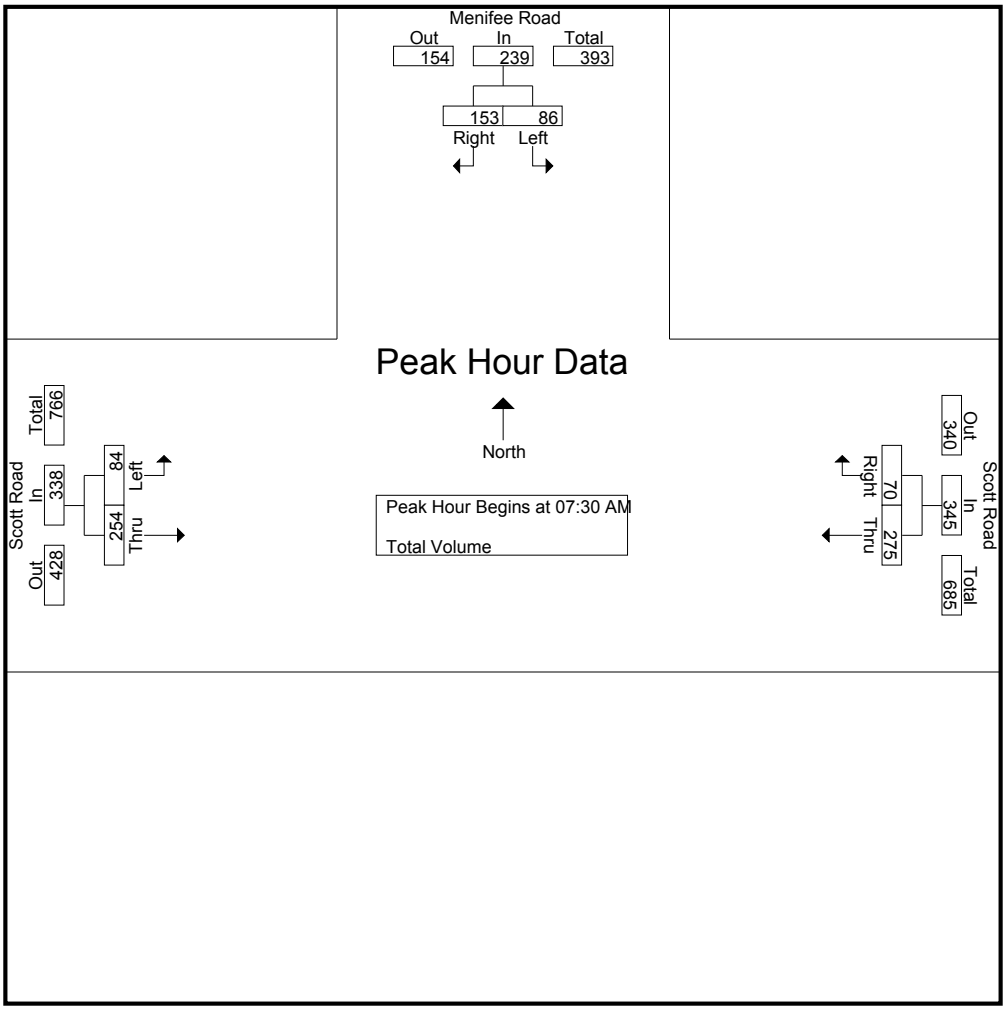
City of Menifee
N/S: Murrieta Road
E/W: Scott Road
Weather: Clear

File Name : MENMUSCAM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:30 AM | | | 07:30 AM | | | 07:00 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **25** | **52** | **77** | 68 | **21** | 89 | 22 | 59 | 81 |
| +15 mins. | 16 | 38 | 54 | 56 | 19 | 75 | **42** | 67 | **109** |
| +30 mins. | 24 | 22 | 46 | 66 | 19 | 85 | 20 | **78** | 98 |
| +45 mins. | 21 | 41 | 62 | **85** | 11 | **96** | 20 | 59 | 79 |
| Total Volume | 86 | 153 | 239 | 275 | 70 | 345 | 104 | 263 | 367 |
| % App. Total | 36 | 64 | | 79.7 | 20.3 | | 28.3 | 71.7 | |
| PHF | .860 | .736 | .776 | .809 | .833 | .898 | .619 | .843 | .842 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Murrieta Road
E/W: Scott Road
Weather: Clear

File Name : MENMUSCPM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | Scott Road Westbound | | | Scott Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 04:00 PM | 11 | 20 | 31 | 72 | 10 | 82 | 58 | 76 | 134 | 247 |
| 04:15 PM | 18 | 20 | 38 | 87 | 15 | 102 | 51 | 103 | 154 | 294 |
| 04:30 PM | 22 | 24 | 46 | 83 | 17 | 100 | 62 | 107 | 169 | 315 |
| 04:45 PM | 16 | 20 | 36 | 73 | 15 | 88 | 64 | 100 | 164 | 288 |
| Total | 67 | 84 | 151 | 315 | 57 | 372 | 235 | 386 | 621 | 1144 |
| 05:00 PM | 19 | 30 | 49 | 61 | 18 | 79 | 41 | 107 | 148 | 276 |
| 05:15 PM | 8 | 24 | 32 | 66 | 16 | 82 | 58 | 91 | 149 | 263 |
| 05:30 PM | 15 | 15 | 30 | 81 | 24 | 105 | 53 | 109 | 162 | 297 |
| 05:45 PM | 10 | 18 | 28 | 80 | 14 | 94 | 65 | 105 | 170 | 292 |
| Total | 52 | 87 | 139 | 288 | 72 | 360 | 217 | 412 | 629 | 1128 |
| Grand Total | 119 | 171 | 290 | 603 | 129 | 732 | 452 | 798 | 1250 | 2272 |
| Apprch % | 41 | 59 | | 82.4 | 17.6 | | 36.2 | 63.8 | | |
| Total % | 5.2 | 7.5 | 12.8 | 26.5 | 5.7 | 32.2 | 19.9 | 35.1 | 55 | |

| | Menifee Road Southbound | | | Scott Road Westbound | | | Scott Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | |
| 04:15 PM | 18 | 20 | 38 | **87** | 15 | **102** | 51 | 103 | 154 | 294 |
| 04:30 PM | **22** | 24 | 46 | 83 | 17 | 100 | 62 | **107** | **169** | **315** |
| 04:45 PM | 16 | 20 | 36 | 73 | 15 | 88 | **64** | 100 | 164 | 288 |
| 05:00 PM | 19 | **30** | **49** | 61 | **18** | 79 | 41 | 107 | 148 | 276 |
| Total Volume | 75 | 94 | 169 | 304 | 65 | 369 | 218 | 417 | 635 | 1173 |
| % App. Total | 44.4 | 55.6 | | 82.4 | 17.6 | | 34.3 | 65.7 | | |
| PHF | .852 | .783 | .862 | .874 | .903 | .904 | .852 | .974 | .939 | .931 |

Counts Unlimited, Inc.
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Corona, CA 92878
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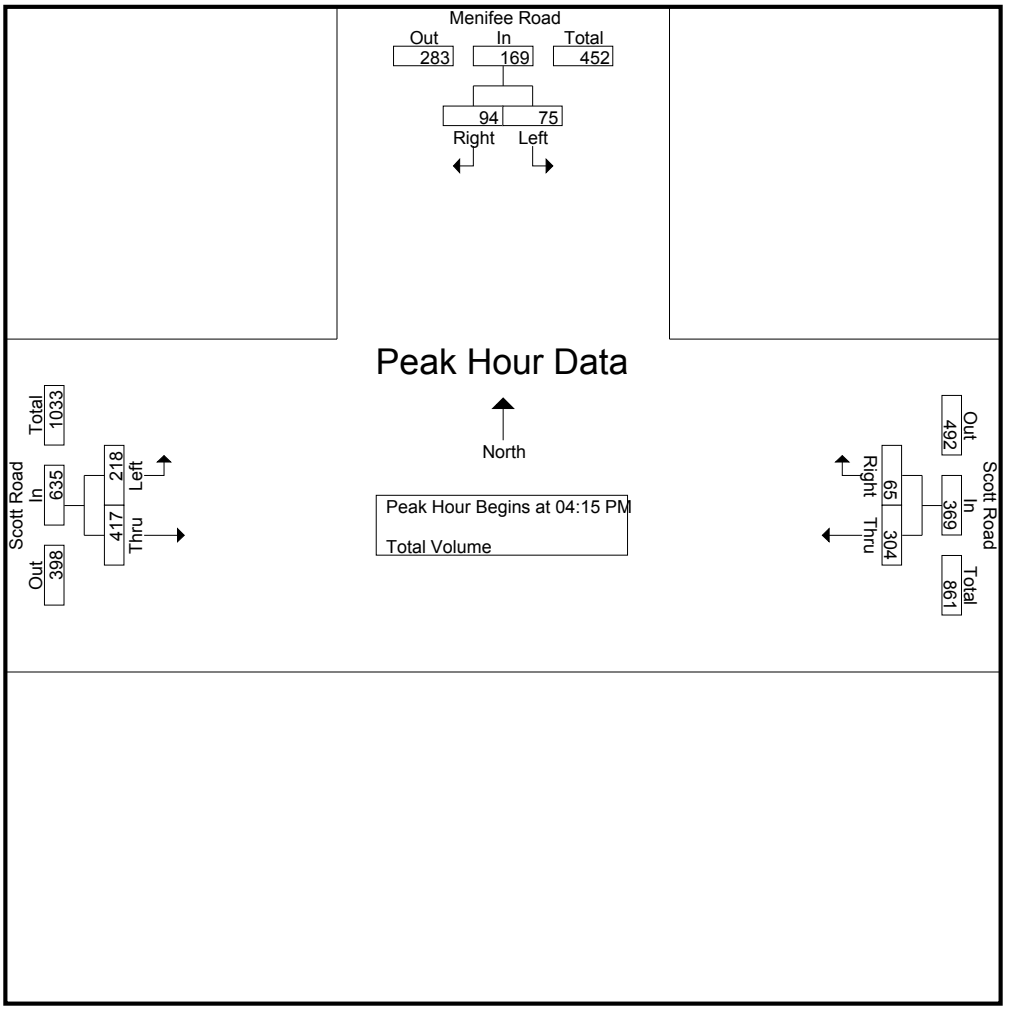
City of Menifee
N/S: Murrieta Road
E/W: Scott Road
Weather: Clear

File Name : MENMUSCPM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | 04:00 PM | | | 04:15 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 18 | 20 | 38 | 72 | 10 | 82 | 51 | 103 | 154 |
| +15 mins. | **22** | 24 | 46 | **87** | 15 | **102** | 62 | **107** | **169** |
| +30 mins. | 16 | 20 | 36 | 83 | **17** | 100 | **64** | 100 | 164 |
| +45 mins. | 19 | **30** | **49** | 73 | 15 | 88 | 41 | 107 | 148 |
| Total Volume | 75 | 94 | 169 | 315 | 57 | 372 | 218 | 417 | 635 |
| % App. Total | 44.4 | 55.6 | | 84.7 | 15.3 | | 34.3 | 65.7 | |
| PHF | .852 | .783 | .862 | .905 | .838 | .912 | .852 | .974 | .939 |

Counts Unlimited, Inc.
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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 32 | 12 | 0 | 44 | 64 | 65 | 6 | 135 | 10 | 5 | 59 | 74 | 2 | 92 | 7 | 101 | 354 |
| 07:15 AM | 37 | 9 | 2 | 48 | 76 | 75 | 8 | 159 | 9 | 6 | 53 | 68 | 2 | 97 | 4 | 103 | 378 |
| 07:30 AM | 47 | 14 | 2 | 63 | 55 | 83 | 16 | 154 | 16 | 5 | 83 | 104 | 5 | 94 | 16 | 115 | 436 |
| 07:45 AM | 32 | 9 | 1 | 42 | 100 | 120 | 23 | 243 | 14 | 11 | 98 | 123 | 3 | 87 | 14 | 104 | 512 |
| Total | 148 | 44 | 5 | 197 | 295 | 343 | 53 | 691 | 49 | 27 | 293 | 369 | 12 | 370 | 41 | 423 | 1680 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 26 | 13 | 1 | 40 | 108 | 103 | 15 | 226 | 9 | 5 | 73 | 87 | 5 | 108 | 19 | 132 | 485 |
| 08:15 AM | 25 | 14 | 3 | 42 | 97 | 114 | 14 | 225 | 7 | 4 | 69 | 80 | 4 | 113 | 9 | 126 | 473 |
| 08:30 AM | 34 | 16 | 3 | 53 | 108 | 115 | 15 | 238 | 8 | 13 | 76 | 97 | 10 | 131 | 19 | 160 | 548 |
| 08:45 AM | 32 | 20 | 3 | 55 | 138 | 79 | 8 | 225 | 13 | 12 | 77 | 102 | 10 | 118 | 13 | 141 | 523 |
| Total | 117 | 63 | 10 | 190 | 451 | 411 | 52 | 914 | 37 | 34 | 295 | 366 | 29 | 470 | 60 | 559 | 2029 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 265 | 107 | 15 | 387 | 746 | 754 | 105 | 1605 | 86 | 61 | 588 | 735 | 41 | 840 | 101 | 982 | 3709 |
| Apprch % | 68.5 | 27.6 | 3.9 | | 46.5 | 47 | 6.5 | | 11.7 | 8.3 | 80 | | 4.2 | 85.5 | 10.3 | | |
| Total % | 7.1 | 2.9 | 0.4 | 10.4 | 20.1 | 20.3 | 2.8 | 43.3 | 2.3 | 1.6 | 15.9 | 19.8 | 1.1 | 22.6 | 2.7 | 26.5 | |

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | | | | | | | | |
| 08:00 AM | 26 | 13 | 1 | 40 | 108 | 103 | **15** | 226 | 9 | 5 | 73 | 87 | 5 | 108 | **19** | 132 | 485 |
| 08:15 AM | 25 | 14 | **3** | 42 | 97 | 114 | 14 | 225 | 7 | 4 | 69 | 80 | 4 | 113 | 9 | 126 | 473 |
| 08:30 AM | **34** | 16 | 3 | 53 | 108 | **115** | 15 | **238** | 8 | **13** | 76 | 97 | **10** | **131** | 19 | **160** | **548** |
| 08:45 AM | 32 | **20** | 3 | **55** | **138** | 79 | 8 | 225 | **13** | 12 | **77** | **102** | 10 | 118 | 13 | 141 | 523 |
| Total Volume | 117 | 63 | 10 | 190 | 451 | 411 | 52 | 914 | 37 | 34 | 295 | 366 | 29 | 470 | 60 | 559 | 2029 |
| % App. Total | 61.6 | 33.2 | 5.3 | | 49.3 | 45 | 5.7 | | 10.1 | 9.3 | 80.6 | | 5.2 | 84.1 | 10.7 | | |
| PHF | .860 | .788 | .833 | .864 | .817 | .893 | .867 | .960 | .712 | .654 | .958 | .897 | .725 | .897 | .789 | .873 | .926 |

Counts Unlimited, Inc.
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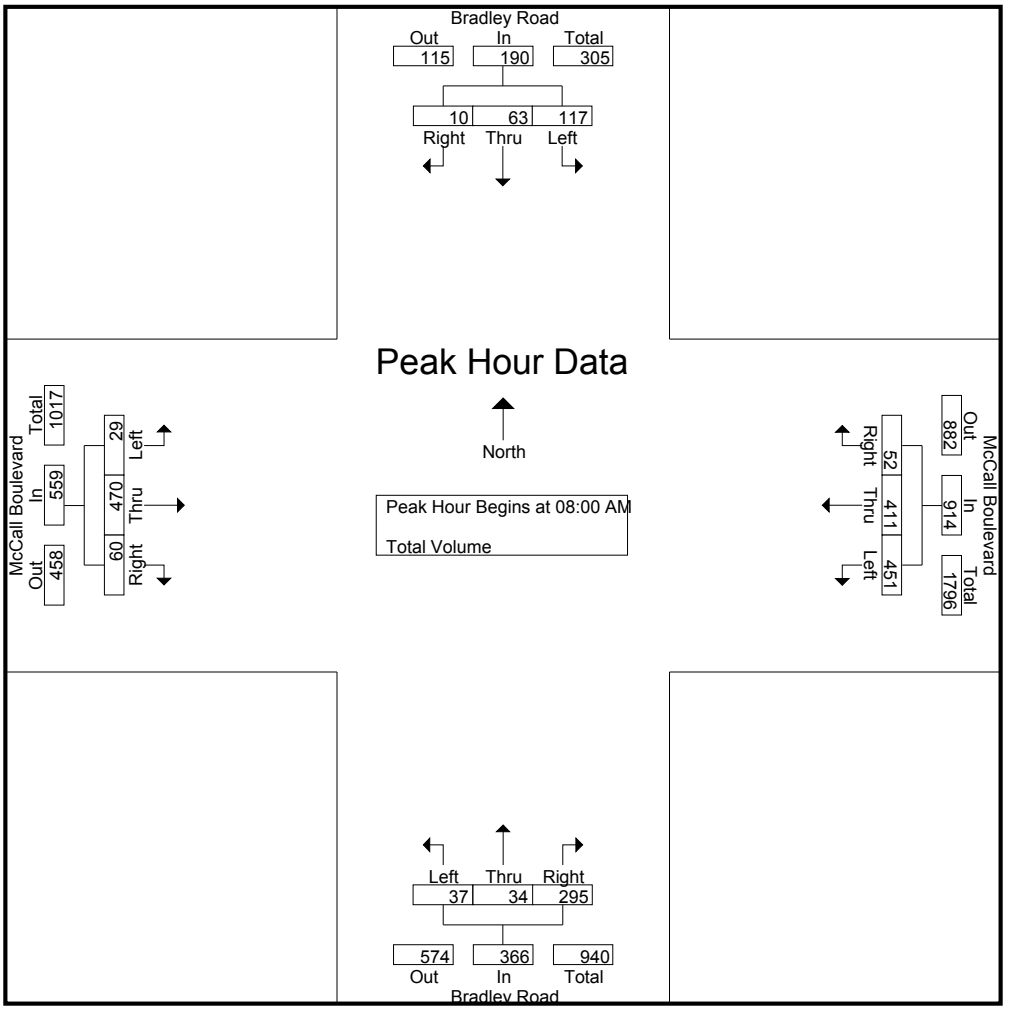
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:45 AM | | | | 07:30 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 32 | 12 | 0 | 44 | 100 | **120** | **23** | **243** | **16** | 5 | 83 | 104 | 5 | 108 | **19** | 132 |
| +15 mins. | 37 | 9 | **2** | 48 | **108** | 103 | 15 | 226 | 14 | **11** | **98** | **123** | 4 | 113 | 9 | 126 |
| +30 mins. | **47** | **14** | 2 | **63** | 97 | 114 | 14 | 225 | 9 | 5 | 73 | 87 | **10** | **131** | 19 | **160** |
| +45 mins. | 32 | 9 | 1 | 42 | 108 | 115 | 15 | 238 | 7 | 4 | 69 | 80 | 10 | 118 | 13 | 141 |
| Total Volume | 148 | 44 | 5 | 197 | 413 | 452 | 67 | 932 | 46 | 25 | 323 | 394 | 29 | 470 | 60 | 559 |
| % App. Total | 75.1 | 22.3 | 2.5 | | 44.3 | 48.5 | 7.2 | | 11.7 | 6.3 | 82 | | 5.2 | 84.1 | 10.7 | |
| PHF | .787 | .786 | .625 | .782 | .956 | .942 | .728 | .959 | .719 | .568 | .824 | .801 | .725 | .897 | .789 | .873 |

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(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 34 | 16 | 3 | 53 | 109 | 153 | 14 | 276 | 24 | 15 | 115 | 154 | 10 | 127 | 17 | 154 | 637 |
| 04:15 PM | 26 | 15 | 2 | 43 | 102 | 160 | 18 | 280 | 17 | 14 | 115 | 146 | 9 | 126 | 17 | 152 | 621 |
| 04:30 PM | 26 | 11 | 5 | 42 | 114 | 185 | 11 | 310 | 15 | 23 | 107 | 145 | 10 | 148 | 18 | 176 | 673 |
| 04:45 PM | 17 | 7 | 2 | 26 | 90 | 155 | 8 | 253 | 17 | 9 | 126 | 152 | 13 | 150 | 9 | 172 | 603 |
| Total | 103 | 49 | 12 | 164 | 415 | 653 | 51 | 1119 | 73 | 61 | 463 | 597 | 42 | 551 | 61 | 654 | 2534 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 40 | 10 | 6 | 56 | 95 | 149 | 21 | 265 | 25 | 12 | 153 | 190 | 12 | 133 | 21 | 166 | 677 |
| 05:15 PM | 21 | 13 | 6 | 40 | 102 | 141 | 14 | 257 | 15 | 19 | 131 | 165 | 8 | 146 | 10 | 164 | 626 |
| 05:30 PM | 27 | 10 | 6 | 43 | 97 | 152 | 26 | 275 | 12 | 15 | 115 | 142 | 8 | 153 | 15 | 176 | 636 |
| 05:45 PM | 21 | 12 | 4 | 37 | 91 | 140 | 22 | 253 | 10 | 11 | 105 | 126 | 6 | 145 | 13 | 164 | 580 |
| Total | 109 | 45 | 22 | 176 | 385 | 582 | 83 | 1050 | 62 | 57 | 504 | 623 | 34 | 577 | 59 | 670 | 2519 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 212 | 94 | 34 | 340 | 800 | 1235 | 134 | 2169 | 135 | 118 | 967 | 1220 | 76 | 1128 | 120 | 1324 | 5053 |
| Apprch % | 62.4 | 27.6 | 10 | | 36.9 | 56.9 | 6.2 | | 11.1 | 9.7 | 79.3 | | 5.7 | 85.2 | 9.1 | | |
| Total % | 4.2 | 1.9 | 0.7 | 6.7 | 15.8 | 24.4 | 2.7 | 42.9 | 2.7 | 2.3 | 19.1 | 24.1 | 1.5 | 22.3 | 2.4 | 26.2 | |

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 26 | 11 | 5 | 42 | **114** | **185** | 11 | **310** | 15 | **23** | 107 | 145 | 10 | 148 | 18 | **176** | 673 |
| 04:45 PM | 17 | 7 | 2 | 26 | 90 | 155 | 8 | 253 | 17 | 9 | 126 | 152 | **13** | **150** | 9 | 172 | 603 |
| 05:00 PM | **40** | 10 | **6** | **56** | 95 | 149 | **21** | 265 | **25** | 12 | **153** | **190** | 12 | 133 | **21** | 166 | **677** |
| 05:15 PM | 21 | **13** | 6 | 40 | 102 | 141 | 14 | 257 | 15 | 19 | 131 | 165 | 8 | 146 | 10 | 164 | 626 |
| Total Volume | 104 | 41 | 19 | 164 | 401 | 630 | 54 | 1085 | 72 | 63 | 517 | 652 | 43 | 577 | 58 | 678 | 2579 |
| % App. Total | 63.4 | 25 | 11.6 | | 37 | 58.1 | 5 | | 11 | 9.7 | 79.3 | | 6.3 | 85.1 | 8.6 | | |
| PHF | .650 | .788 | .792 | .732 | .879 | .851 | .643 | .875 | .720 | .685 | .845 | .858 | .827 | .962 | .690 | .963 | .952 |

Counts Unlimited, Inc.
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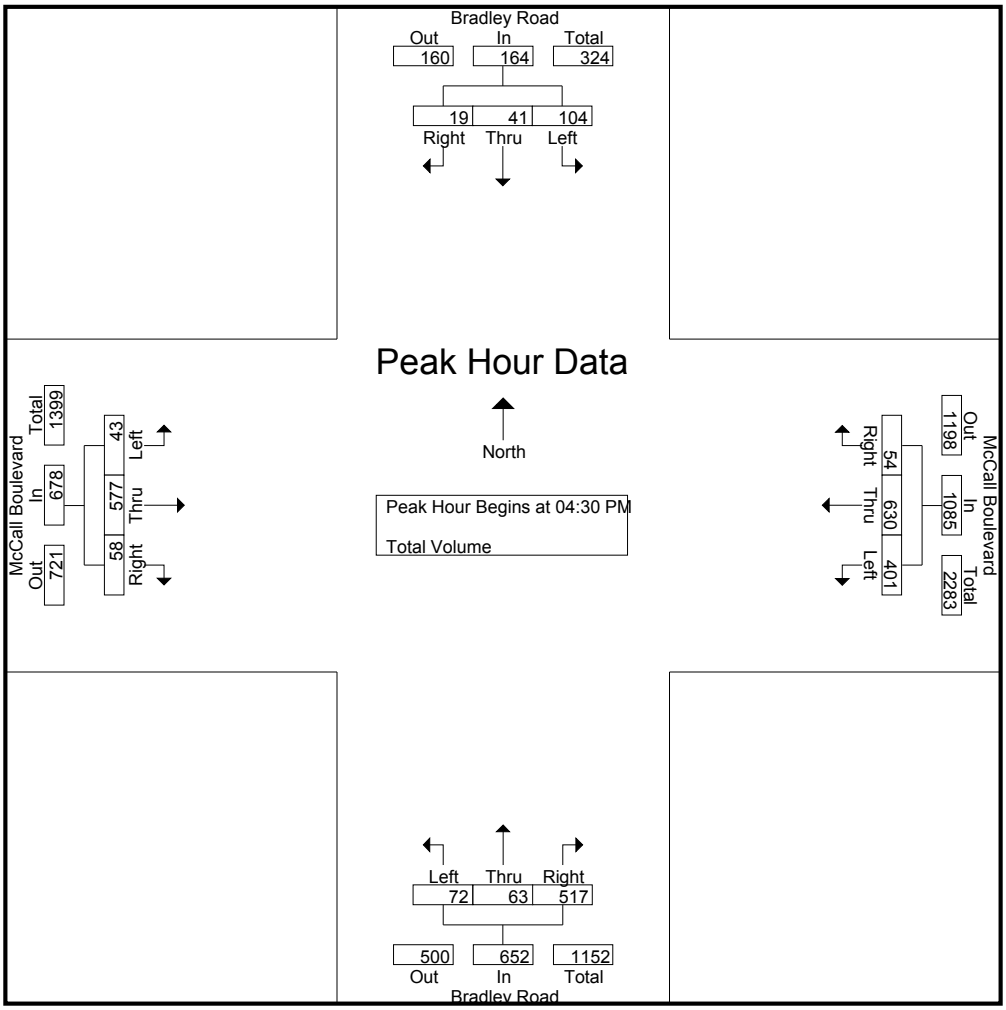
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 04:00 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **40** | 10 | **6** | **56** | 109 | 153 | 14 | 276 | 15 | **23** | 107 | 145 | 10 | 148 | 18 | **176** |
| +15 mins. | 21 | **13** | 6 | 40 | 102 | 160 | **18** | 280 | 17 | 9 | 126 | 152 | **13** | **150** | 9 | 172 |
| +30 mins. | 27 | 10 | 6 | 43 | **114** | **185** | 11 | **310** | **25** | 12 | **153** | **190** | 12 | 133 | **21** | 166 |
| +45 mins. | 21 | 12 | 4 | 37 | 90 | 155 | 8 | 253 | 15 | 19 | 131 | 165 | 8 | 146 | 10 | 164 |
| Total Volume | 109 | 45 | 22 | 176 | 415 | 653 | 51 | 1119 | 72 | 63 | 517 | 652 | 43 | 577 | 58 | 678 |
| % App. Total | 61.9 | 25.6 | 12.5 | | 37.1 | 58.4 | 4.6 | | 11 | 9.7 | 79.3 | | 6.3 | 85.1 | 8.6 | |
| PHF | .681 | .865 | .917 | .786 | .910 | .882 | .708 | .902 | .720 | .685 | .845 | .858 | .827 | .962 | .690 | .963 |

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City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCSAT
Site Code : 00000066
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 30 | 12 | 7 | 49 | 94 | 142 | 13 | 249 | 25 | 12 | 101 | 138 | 15 | 168 | 22 | 205 | 641 |
| 12:15 PM | 30 | 8 | 8 | 46 | 112 | 150 | 20 | 282 | 23 | 17 | 109 | 149 | 9 | 152 | 28 | 189 | 666 |
| 12:30 PM | 24 | 14 | 3 | 41 | 101 | 142 | 14 | 257 | 31 | 16 | 96 | 143 | 7 | 156 | 20 | 183 | 624 |
| 12:45 PM | 31 | 18 | 5 | 54 | 117 | 156 | 12 | 285 | 24 | 17 | 107 | 148 | 21 | 132 | 27 | 180 | 667 |
| Total | 115 | 52 | 23 | 190 | 424 | 590 | 59 | 1073 | 103 | 62 | 413 | 578 | 52 | 608 | 97 | 757 | 2598 |
| | | | | | | | | | | | | | | | | | |
| 01:00 PM | 20 | 9 | 2 | 31 | 94 | 147 | 10 | 251 | 11 | 10 | 117 | 138 | 6 | 142 | 30 | 178 | 598 |
| 01:15 PM | 20 | 13 | 2 | 35 | 102 | 130 | 21 | 253 | 19 | 18 | 115 | 152 | 8 | 122 | 22 | 152 | 592 |
| 01:30 PM | 24 | 11 | 8 | 43 | 118 | 141 | 8 | 267 | 25 | 11 | 112 | 148 | 9 | 144 | 20 | 173 | 631 |
| 01:45 PM | 29 | 13 | 4 | 46 | 115 | 121 | 12 | 248 | 24 | 20 | 132 | 176 | 5 | 107 | 21 | 133 | 603 |
| Total | 93 | 46 | 16 | 155 | 429 | 539 | 51 | 1019 | 79 | 59 | 476 | 614 | 28 | 515 | 93 | 636 | 2424 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 208 | 98 | 39 | 345 | 853 | 1129 | 110 | 2092 | 182 | 121 | 889 | 1192 | 80 | 1123 | 190 | 1393 | 5022 |
| Apprch % | 60.3 | 28.4 | 11.3 | | 40.8 | 54 | 5.3 | | 15.3 | 10.2 | 74.6 | | 5.7 | 80.6 | 13.6 | | |
| Total % | 4.1 | 2 | 0.8 | 6.9 | 17 | 22.5 | 2.2 | 41.7 | 3.6 | 2.4 | 17.7 | 23.7 | 1.6 | 22.4 | 3.8 | 27.7 | |

| | Bradley Road Southbound | | | | McCall Boulevard Westbound | | | | Bradley Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 30 | 12 | 7 | 49 | 94 | 142 | 13 | 249 | 25 | 12 | 101 | 138 | 15 | **168** | 22 | **205** | 641 |
| 12:15 PM | 30 | 8 | **8** | 46 | 112 | 150 | **20** | 282 | 23 | **17** | **109** | **149** | 9 | 152 | **28** | 189 | 666 |
| 12:30 PM | 24 | 14 | 3 | 41 | 101 | 142 | 14 | 257 | **31** | 16 | 96 | 143 | 7 | 156 | 20 | 183 | 624 |
| 12:45 PM | **31** | **18** | 5 | **54** | **117** | **156** | 12 | **285** | 24 | 17 | 107 | 148 | **21** | 132 | 27 | 180 | **667** |
| Total Volume | 115 | 52 | 23 | 190 | 424 | 590 | 59 | 1073 | 103 | 62 | 413 | 578 | 52 | 608 | 97 | 757 | 2598 |
| % App. Total | 60.5 | 27.4 | 12.1 | | 39.5 | 55 | 5.5 | | 17.8 | 10.7 | 71.5 | | 6.9 | 80.3 | 12.8 | | |
| PHF | .927 | .722 | .719 | .880 | .906 | .946 | .738 | .941 | .831 | .912 | .947 | .970 | .619 | .905 | .866 | .923 | .974 |

Counts Unlimited, Inc.
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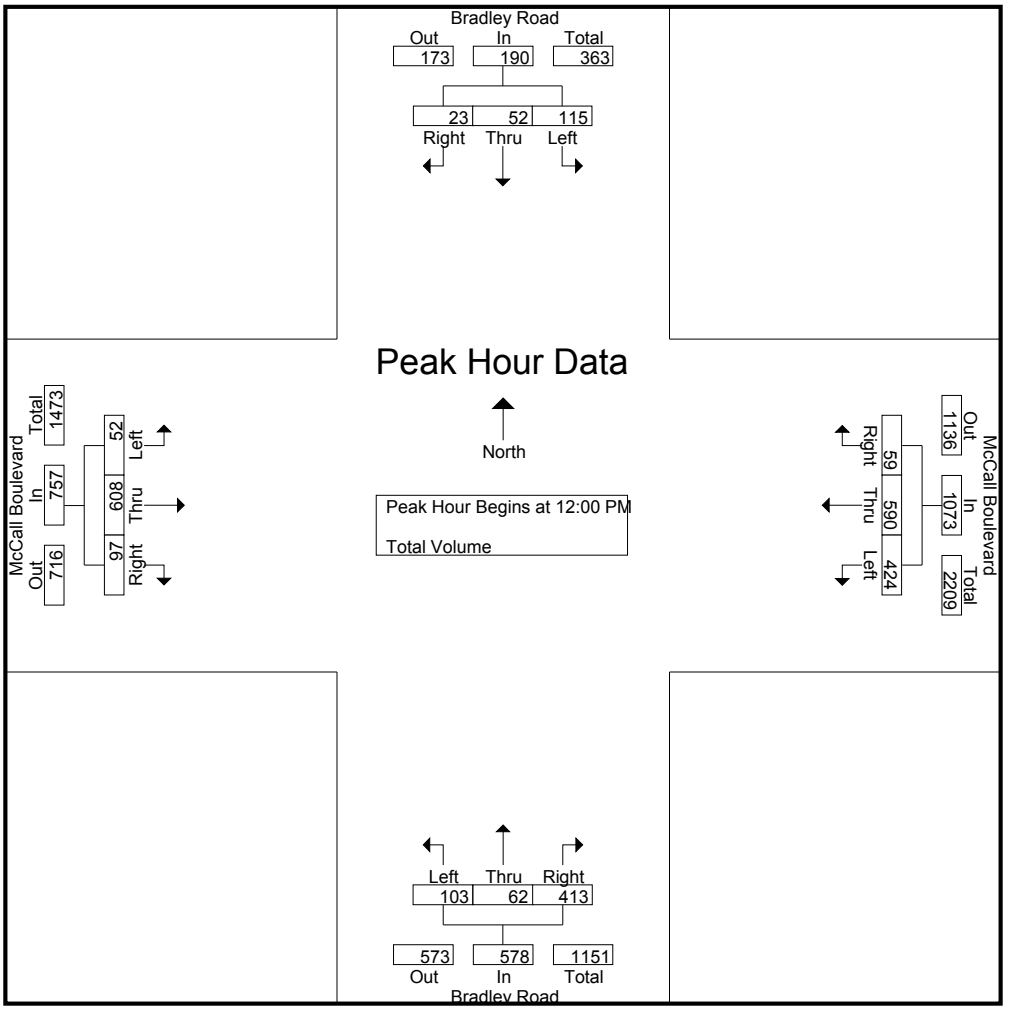
City of Menifee
N/S: Bradley Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENBRMCSAT
Site Code : 00000066
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:15 PM | | | | 01:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 30 | 12 | 7 | 49 | 112 | 150 | **20** | 282 | 11 | 10 | 117 | 138 | 15 | **168** | 22 | **205** |
| +15 mins. | 30 | 8 | **8** | 46 | 101 | 142 | 14 | 257 | 19 | 18 | 115 | 152 | 9 | 152 | **28** | 189 |
| +30 mins. | 24 | 14 | 3 | 41 | **117** | **156** | 12 | **285** | **25** | 11 | 112 | 148 | 7 | 156 | 20 | 183 |
| +45 mins. | **31** | **18** | 5 | **54** | 94 | 147 | 10 | 251 | 24 | **20** | **132** | **176** | **21** | 132 | 27 | 180 |
| Total Volume | 115 | 52 | 23 | 190 | 424 | 595 | 56 | 1075 | 79 | 59 | 476 | 614 | 52 | 608 | 97 | 757 |
| % App. Total | 60.5 | 27.4 | 12.1 | | 39.4 | 55.3 | 5.2 | | 12.9 | 9.6 | 77.5 | | 6.9 | 80.3 | 12.8 | |
| PHF | .927 | .722 | .719 | .880 | .906 | .954 | .700 | .943 | .790 | .738 | .902 | .872 | .619 | .905 | .866 | .923 |

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City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHAM
Site Code : 00000015
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 07:00 AM | 30 | 11 | 41 | 7 | 51 | 58 | 13 | 2 | 15 | 114 |
| 07:15 AM | 52 | 3 | 55 | 10 | 34 | 44 | 8 | 6 | 14 | 113 |
| 07:30 AM | 51 | 6 | 57 | 13 | 44 | 57 | 15 | 3 | 18 | 132 |
| 07:45 AM | 54 | 12 | 66 | 21 | 72 | 93 | 12 | 12 | 24 | 183 |
| Total | 187 | 32 | 219 | 51 | 201 | 252 | 48 | 23 | 71 | 542 |
| 08:00 AM | 48 | 8 | 56 | 14 | 43 | 57 | 9 | 8 | 17 | 130 |
| 08:15 AM | 50 | 6 | 56 | 15 | 52 | 67 | 15 | 11 | 26 | 149 |
| 08:30 AM | 60 | 14 | 74 | 30 | 67 | 97 | 13 | 16 | 29 | 200 |
| 08:45 AM | 57 | 15 | 72 | 23 | 71 | 94 | 18 | 18 | 36 | 202 |
| Total | 215 | 43 | 258 | 82 | 233 | 315 | 55 | 53 | 108 | 681 |
| Grand Total | 402 | 75 | 477 | 133 | 434 | 567 | 103 | 76 | 179 | 1223 |
| Apprch % | 84.3 | 15.7 | | 23.5 | 76.5 | | 57.5 | 42.5 | | |
| Total % | 32.9 | 6.1 | 39 | 10.9 | 35.5 | 46.4 | 8.4 | 6.2 | 14.6 | |

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | |
| 08:00 AM | 48 | 8 | 56 | 14 | 43 | 57 | 9 | 8 | 17 | 130 |
| 08:15 AM | 50 | 6 | 56 | 15 | 52 | 67 | 15 | 11 | 26 | 149 |
| 08:30 AM | **60** | 14 | **74** | **30** | 67 | **97** | 13 | 16 | 29 | 200 |
| 08:45 AM | 57 | **15** | 72 | 23 | **71** | 94 | **18** | **18** | **36** | **202** |
| Total Volume | 215 | 43 | 258 | 82 | 233 | 315 | 55 | 53 | 108 | 681 |
| % App. Total | 83.3 | 16.7 | | 26 | 74 | | 50.9 | 49.1 | | |
| PHF | .896 | .717 | .872 | .683 | .820 | .812 | .764 | .736 | .750 | .843 |

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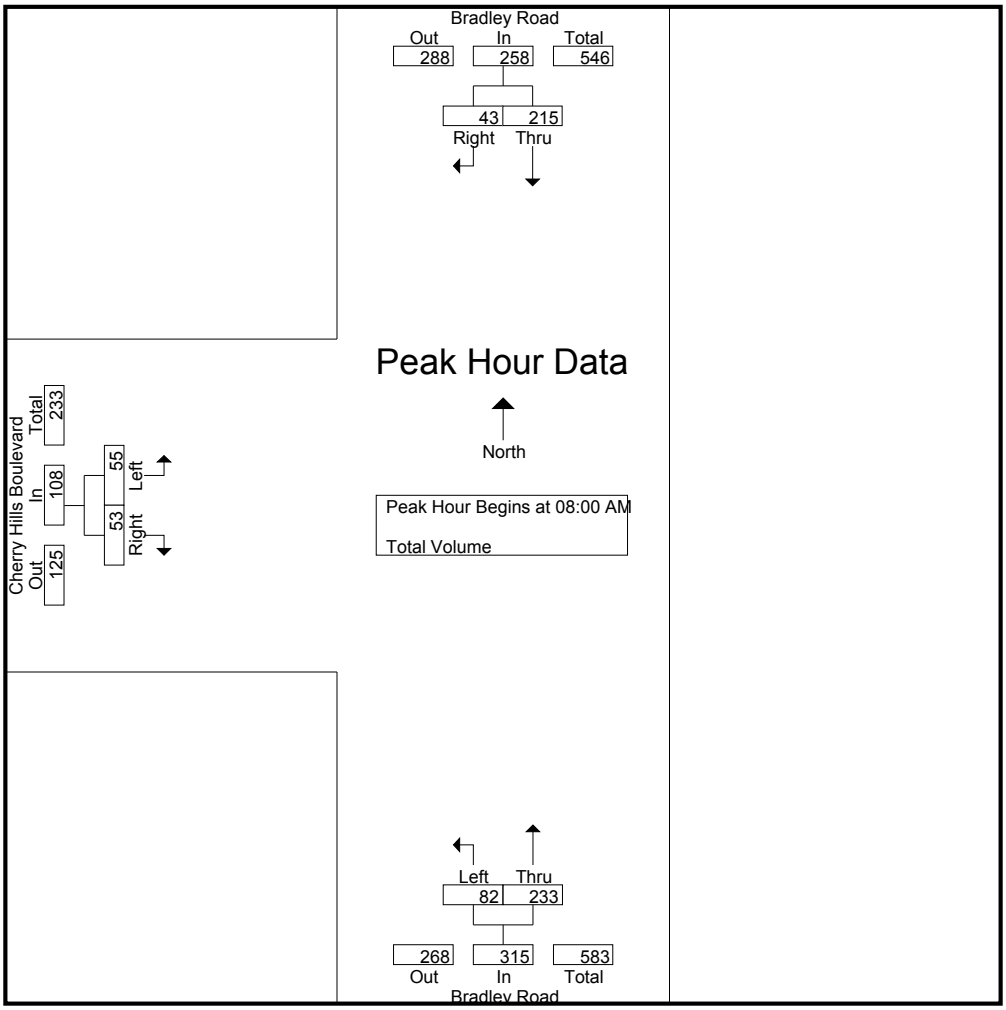
City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHAM
Site Code : 00000015
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | 08:00 AM | | | 08:00 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 48 | 8 | 56 | 14 | 43 | 57 | 9 | 8 | 17 |
| +15 mins. | 50 | 6 | 56 | 15 | 52 | 67 | 15 | 11 | 26 |
| +30 mins. | **60** | 14 | **74** | **30** | 67 | **97** | 13 | 16 | 29 |
| +45 mins. | 57 | **15** | 72 | 23 | **71** | 94 | **18** | **18** | **36** |
| Total Volume | 215 | 43 | 258 | 82 | 233 | 315 | 55 | 53 | 108 |
| % App. Total | 83.3 | 16.7 | | 26 | 74 | | 50.9 | 49.1 | |
| PHF | .896 | .717 | .872 | .683 | .820 | .812 | .764 | .736 | .750 |

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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHPM
Site Code : 00000015
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 04:00 PM | 63 | 21 | 84 | 22 | 76 | 98 | 14 | 11 | 25 | 207 |
| 04:15 PM | 67 | 9 | 76 | 26 | 83 | 109 | 16 | 15 | 31 | 216 |
| 04:30 PM | 70 | 21 | 91 | 35 | 88 | 123 | 19 | 15 | 34 | 248 |
| 04:45 PM | 78 | 20 | 98 | 23 | 87 | 110 | 21 | 23 | 44 | 252 |
| Total | 278 | 71 | 349 | 106 | 334 | 440 | 70 | 64 | 134 | 923 |
| 05:00 PM | 57 | 19 | 76 | 38 | 96 | 134 | 21 | 19 | 40 | 250 |
| 05:15 PM | 59 | 17 | 76 | 14 | 71 | 85 | 14 | 16 | 30 | 191 |
| 05:30 PM | 56 | 8 | 64 | 16 | 75 | 91 | 9 | 15 | 24 | 179 |
| 05:45 PM | 49 | 15 | 64 | 20 | 73 | 93 | 12 | 12 | 24 | 181 |
| Total | 221 | 59 | 280 | 88 | 315 | 403 | 56 | 62 | 118 | 801 |
| Grand Total | 499 | 130 | 629 | 194 | 649 | 843 | 126 | 126 | 252 | 1724 |
| Apprch % | 79.3 | 20.7 | | 23 | 77 | | 50 | 50 | | |
| Total % | 28.9 | 7.5 | 36.5 | 11.3 | 37.6 | 48.9 | 7.3 | 7.3 | 14.6 | |

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | |
| 04:15 PM | 67 | 9 | 76 | 26 | 83 | 109 | 16 | 15 | 31 | 216 |
| 04:30 PM | 70 | **21** | 91 | 35 | 88 | 123 | 19 | 15 | 34 | 248 |
| 04:45 PM | **78** | 20 | **98** | 23 | 87 | 110 | **21** | **23** | **44** | **252** |
| 05:00 PM | 57 | 19 | 76 | **38** | **96** | **134** | 21 | 19 | 40 | 250 |
| Total Volume | 272 | 69 | 341 | 122 | 354 | 476 | 77 | 72 | 149 | 966 |
| % App. Total | 79.8 | 20.2 | | 25.6 | 74.4 | | 51.7 | 48.3 | | |
| PHF | .872 | .821 | .870 | .803 | .922 | .888 | .917 | .783 | .847 | .958 |

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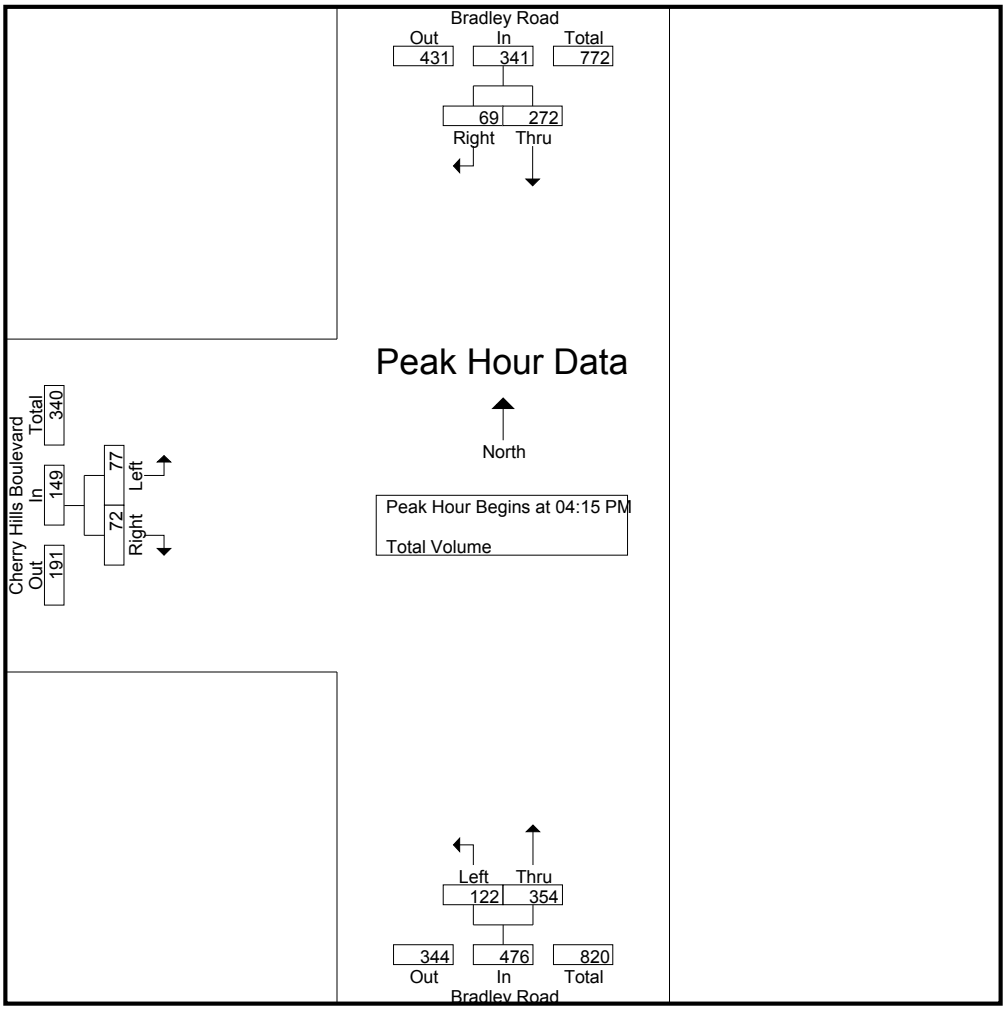
City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHPM
Site Code : 00000015
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | 04:15 PM | | | 04:15 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 63 | **21** | 84 | 26 | 83 | 109 | 16 | 15 | 31 |
| +15 mins. | 67 | 9 | 76 | 35 | 88 | 123 | 19 | 15 | 34 |
| +30 mins. | 70 | 21 | 91 | 23 | 87 | 110 | **21** | **23** | **44** |
| +45 mins. | **78** | 20 | **98** | **38** | **96** | **134** | 21 | 19 | 40 |
| Total Volume | 278 | 71 | 349 | 122 | 354 | 476 | 77 | 72 | 149 |
| % App. Total | 79.7 | 20.3 | | 25.6 | 74.4 | | 51.7 | 48.3 | |
| PHF | .891 | .845 | .890 | .803 | .922 | .888 | .917 | .783 | .847 |

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(951) 268-6268

City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHSAT
Site Code : 00000015
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 12:00 PM | 68 | 22 | 90 | 39 | 60 | 99 | 23 | 19 | 42 | 231 |
| 12:15 PM | 78 | 14 | 92 | 36 | 66 | 102 | 21 | 18 | 39 | 233 |
| 12:30 PM | 68 | 16 | 84 | 29 | 66 | 95 | 19 | 22 | 41 | 220 |
| 12:45 PM | 74 | 14 | 88 | 37 | 64 | 101 | 13 | 21 | 34 | 223 |
| Total | 288 | 66 | 354 | 141 | 256 | 397 | 76 | 80 | 156 | 907 |
| 01:00 PM | 58 | 11 | 69 | 29 | 61 | 90 | 19 | 19 | 38 | 197 |
| 01:15 PM | 66 | 18 | 84 | 40 | 59 | 99 | 16 | 21 | 37 | 220 |
| 01:30 PM | 71 | 20 | 91 | 24 | 52 | 76 | 18 | 20 | 38 | 205 |
| 01:45 PM | 81 | 11 | 92 | 26 | 76 | 102 | 20 | 21 | 41 | 235 |
| Total | 276 | 60 | 336 | 119 | 248 | 367 | 73 | 81 | 154 | 857 |
| Grand Total | 564 | 126 | 690 | 260 | 504 | 764 | 149 | 161 | 310 | 1764 |
| Apprch % | 81.7 | 18.3 | | 34 | 66 | | 48.1 | 51.9 | | |
| Total % | 32 | 7.1 | 39.1 | 14.7 | 28.6 | 43.3 | 8.4 | 9.1 | 17.6 | |

| | Bradley Road Southbound | | | Bradley Road Northbound | | | Cherry Hills Boulevard Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | |
| 12:00 PM | 68 | **22** | 90 | **39** | 60 | 99 | **23** | 19 | **42** | 231 |
| 12:15 PM | **78** | 14 | **92** | 36 | **66** | **102** | 21 | 18 | 39 | **233** |
| 12:30 PM | 68 | 16 | 84 | 29 | 66 | 95 | 19 | **22** | 41 | 220 |
| 12:45 PM | 74 | 14 | 88 | 37 | 64 | 101 | 13 | 21 | 34 | 223 |
| Total Volume | 288 | 66 | 354 | 141 | 256 | 397 | 76 | 80 | 156 | 907 |
| % App. Total | 81.4 | 18.6 | | 35.5 | 64.5 | | 48.7 | 51.3 | | |
| PHF | .923 | .750 | .962 | .904 | .970 | .973 | .826 | .909 | .929 | .973 |

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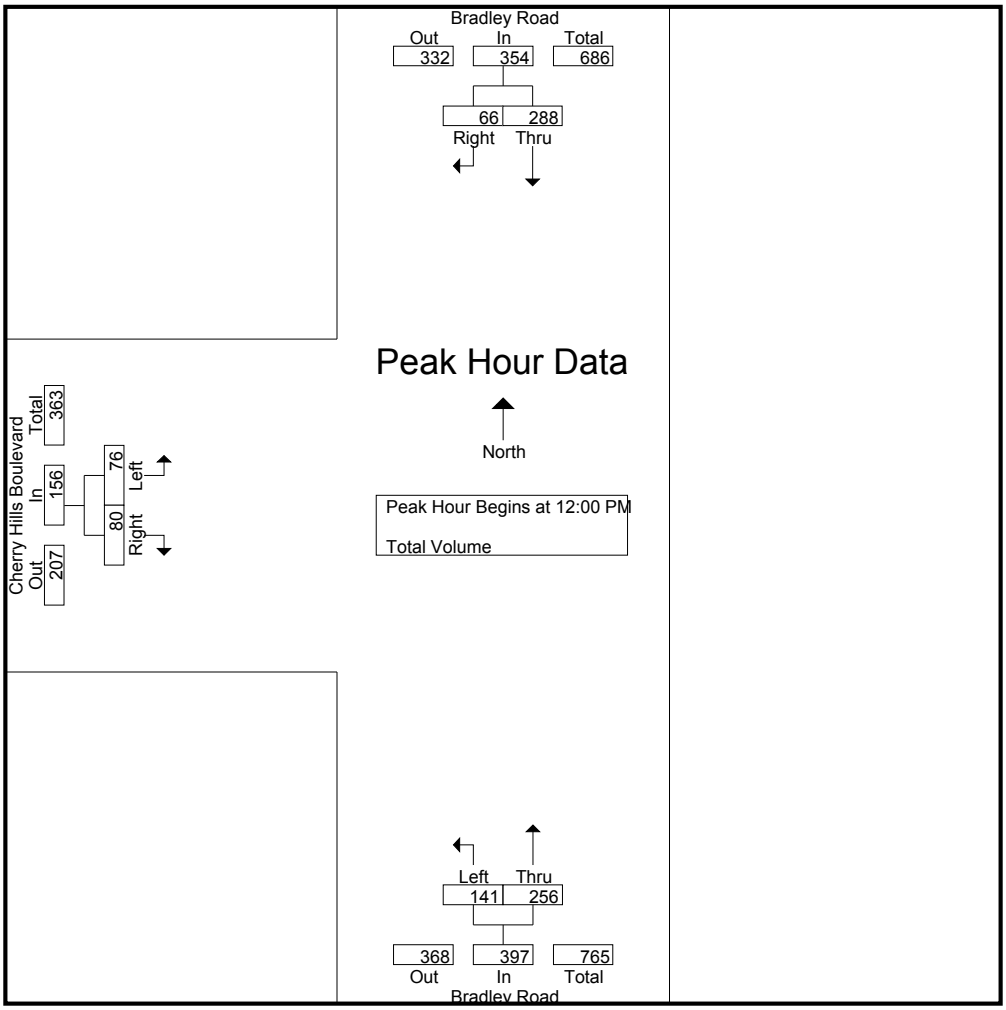
City of Menifee
N/S: Bradley Road
E/W: Cherry Hills Boulevard
Weather: Sunny

File Name : MENBRCHSAT
Site Code : 00000015
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | 12:00 PM | | | 12:00 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 68 | **22** | 90 | **39** | 60 | 99 | **23** | 19 | **42** |
| +15 mins. | **78** | 14 | **92** | 36 | **66** | **102** | 21 | 18 | 39 |
| +30 mins. | 68 | 16 | 84 | 29 | 66 | 95 | 19 | **22** | 41 |
| +45 mins. | 74 | 14 | 88 | 37 | 64 | 101 | 13 | 21 | 34 |
| Total Volume | 288 | 66 | 354 | 141 | 256 | 397 | 76 | 80 | 156 |
| % App. Total | 81.4 | 18.6 | | 35.5 | 64.5 | | 48.7 | 51.3 | |
| PHF | .923 | .750 | .962 | .904 | .970 | .973 | .826 | .909 | .929 |

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City of Menifee
N/S: Bradley Road
E/W: Newport Road
Weather: Clear

File Name : MENBRNEAM
Site Code : 00000155
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | | Newport Road Westbound | | | | Bradley Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 29 | 46 | 8 | 83 | 64 | 133 | 17 | 214 | 23 | 28 | 62 | 113 | 11 | 170 | 39 | 220 | 630 |
| 07:15 AM | 53 | 86 | 20 | 159 | 86 | 122 | 21 | 229 | 48 | 72 | 89 | 209 | 32 | 177 | 51 | 260 | 857 |
| 07:30 AM | 43 | 62 | 29 | 134 | 64 | 140 | 37 | 241 | 55 | 73 | 116 | 244 | 33 | 208 | 33 | 274 | 893 |
| 07:45 AM | 53 | 27 | 20 | 100 | 41 | 134 | 40 | 215 | 48 | 74 | 66 | 188 | 43 | 173 | 16 | 232 | 735 |
| Total | 178 | 221 | 77 | 476 | 255 | 529 | 115 | 899 | 174 | 247 | 333 | 754 | 119 | 728 | 139 | 986 | 3115 |
| 08:00 AM | 52 | 30 | 24 | 106 | 34 | 159 | 30 | 223 | 23 | 27 | 54 | 104 | 11 | 234 | 19 | 264 | 697 |
| 08:15 AM | 60 | 34 | 17 | 111 | 34 | 149 | 43 | 226 | 28 | 38 | 59 | 125 | 33 | 208 | 21 | 262 | 724 |
| 08:30 AM | 55 | 34 | 12 | 101 | 30 | 171 | 37 | 238 | 23 | 35 | 41 | 99 | 30 | 198 | 17 | 245 | 683 |
| 08:45 AM | 72 | 24 | 10 | 106 | 28 | 177 | 65 | 270 | 41 | 27 | 44 | 112 | 34 | 214 | 17 | 265 | 753 |
| Total | 239 | 122 | 63 | 424 | 126 | 656 | 175 | 957 | 115 | 127 | 198 | 440 | 108 | 854 | 74 | 1036 | 2857 |
| Grand Total | 417 | 343 | 140 | 900 | 381 | 1185 | 290 | 1856 | 289 | 374 | 531 | 1194 | 227 | 1582 | 213 | 2022 | 5972 |
| Apprch % | 46.3 | 38.1 | 15.6 | | 20.5 | 63.8 | 15.6 | | 24.2 | 31.3 | 44.5 | | 11.2 | 78.2 | 10.5 | | |
| Total % | 7 | 5.7 | 2.3 | 15.1 | 6.4 | 19.8 | 4.9 | 31.1 | 4.8 | 6.3 | 8.9 | 20 | 3.8 | 26.5 | 3.6 | 33.9 | |

| | Bradley Road Southbound | | | | Newport Road Westbound | | | | Bradley Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **53** | **86** | 20 | **159** | **86** | 122 | 21 | 229 | 48 | 72 | 89 | 209 | 32 | 177 | **51** | 260 | 857 |
| 07:30 AM | 43 | 62 | **29** | 134 | 64 | 140 | 37 | **241** | **55** | 73 | **116** | **244** | 33 | 208 | 33 | **274** | **893** |
| 07:45 AM | 53 | 27 | 20 | 100 | 41 | 134 | **40** | 215 | 48 | **74** | 66 | 188 | **43** | 173 | 16 | 232 | 735 |
| 08:00 AM | 52 | 30 | 24 | 106 | 34 | **159** | 30 | 223 | 23 | 27 | 54 | 104 | 11 | **234** | 19 | 264 | 697 |
| Total Volume | 201 | 205 | 93 | 499 | 225 | 555 | 128 | 908 | 174 | 246 | 325 | 745 | 119 | 792 | 119 | 1030 | 3182 |
| % App. Total | 40.3 | 41.1 | 18.6 | | 24.8 | 61.1 | 14.1 | | 23.4 | 33 | 43.6 | | 11.6 | 76.9 | 11.6 | | |
| PHF | .948 | .596 | .802 | .785 | .654 | .873 | .800 | .942 | .791 | .831 | .700 | .763 | .692 | .846 | .583 | .940 | .891 |

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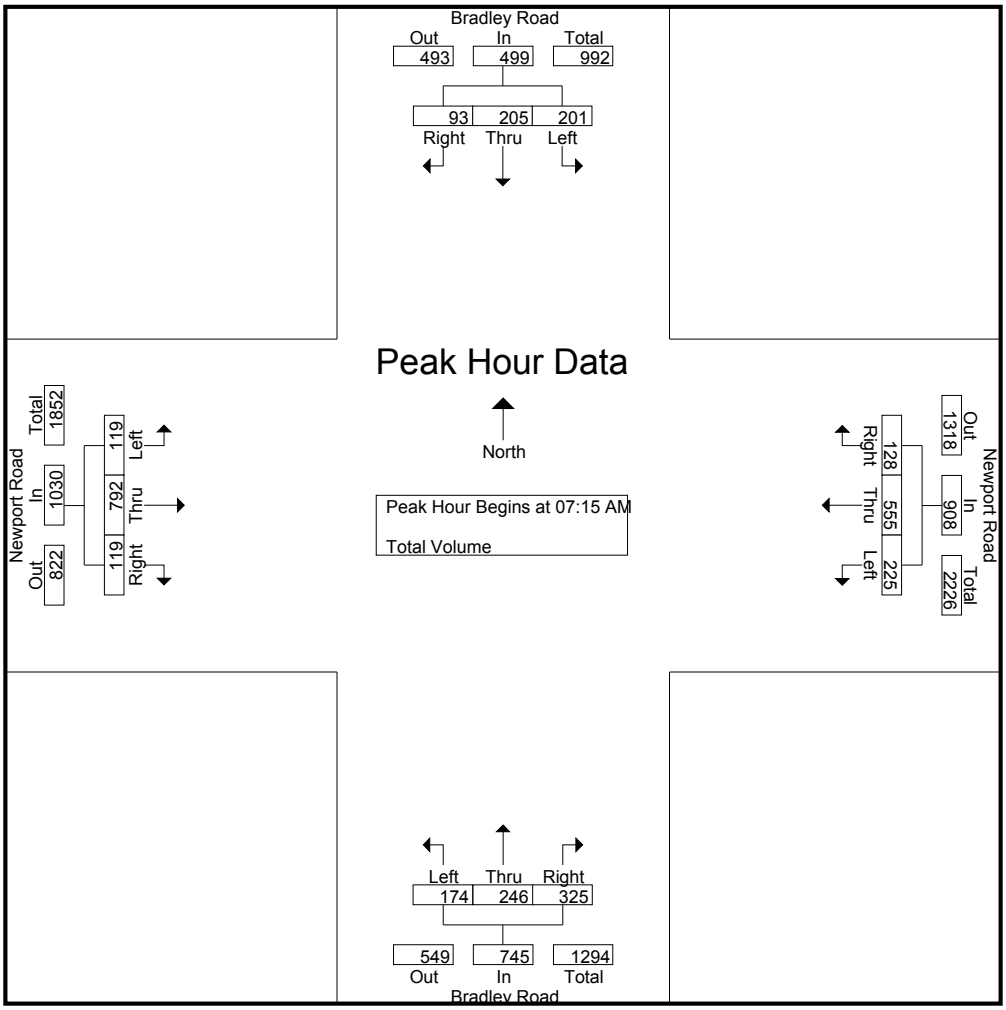
City of Menifee
N/S: Bradley Road
E/W: Newport Road
Weather: Clear

File Name : MENBRNEAM
Site Code : 00000155
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 08:00 AM | | | | 07:00 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **53** | **86** | 20 | **159** | **34** | 159 | 30 | 223 | 23 | 28 | 62 | 113 | 11 | **234** | 19 | 264 |
| +15 mins. | 43 | 62 | **29** | 134 | 34 | 149 | 43 | 226 | 48 | 72 | 89 | 209 | 33 | 208 | **21** | 262 |
| +30 mins. | 53 | 27 | 20 | 100 | 30 | 171 | 37 | 238 | **55** | 73 | **116** | **244** | 30 | 198 | 17 | 245 |
| +45 mins. | 52 | 30 | 24 | 106 | 28 | **177** | **65** | **270** | 48 | **74** | 66 | 188 | **34** | 214 | 17 | **265** |
| Total Volume | 201 | 205 | 93 | 499 | 126 | 656 | 175 | 957 | 174 | 247 | 333 | 754 | 108 | 854 | 74 | 1036 |
| % App. Total | 40.3 | 41.1 | 18.6 | | 13.2 | 68.5 | 18.3 | | 23.1 | 32.8 | 44.2 | | 10.4 | 82.4 | 7.1 | |
| PHF | .948 | .596 | .802 | .785 | .926 | .927 | .673 | .886 | .791 | .834 | .718 | .773 | .794 | .912 | .881 | .977 |

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City of Menifee
N/S: Bradley Road
E/W: Newport Road
Weather: Clear

File Name : MENBRNEPM
Site Code : 00000155
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Bradley Road Southbound | | | | Newport Road Westbound | | | | Bradley Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 45 | 28 | 20 | 93 | 53 | 224 | 92 | 369 | 25 | 32 | 30 | 87 | 26 | 177 | 11 | 214 | 763 |
| 04:15 PM | 49 | 30 | 14 | 93 | 46 | 206 | 72 | 324 | 31 | 41 | 36 | 108 | 20 | 172 | 9 | 201 | 726 |
| 04:30 PM | 43 | 30 | 30 | 103 | 37 | 203 | 65 | 305 | 26 | 38 | 44 | 108 | 32 | 152 | 7 | 191 | 707 |
| 04:45 PM | 59 | 25 | 18 | 102 | 47 | 212 | 83 | 342 | 32 | 39 | 38 | 109 | 31 | 146 | 12 | 189 | 742 |
| Total | 196 | 113 | 82 | 391 | 183 | 845 | 312 | 1340 | 114 | 150 | 148 | 412 | 109 | 647 | 39 | 795 | 2938 |
| 05:00 PM | 60 | 44 | 20 | 124 | 48 | 219 | 71 | 338 | 25 | 42 | 35 | 102 | 28 | 167 | 25 | 220 | 784 |
| 05:15 PM | 57 | 38 | 21 | 116 | 29 | 230 | 65 | 324 | 26 | 41 | 35 | 102 | 27 | 172 | 24 | 223 | 765 |
| 05:30 PM | 43 | 45 | 15 | 103 | 48 | 211 | 57 | 316 | 27 | 29 | 21 | 77 | 22 | 186 | 17 | 225 | 721 |
| 05:45 PM | 59 | 31 | 14 | 104 | 42 | 208 | 63 | 313 | 33 | 24 | 36 | 93 | 24 | 162 | 22 | 208 | 718 |
| Total | 219 | 158 | 70 | 447 | 167 | 868 | 256 | 1291 | 111 | 136 | 127 | 374 | 101 | 687 | 88 | 876 | 2988 |
| Grand Total | 415 | 271 | 152 | 838 | 350 | 1713 | 568 | 2631 | 225 | 286 | 275 | 786 | 210 | 1334 | 127 | 1671 | 5926 |
| Apprch % | 49.5 | 32.3 | 18.1 | | 13.3 | 65.1 | 21.6 | | 28.6 | 36.4 | 35 | | 12.6 | 79.8 | 7.6 | | |
| Total % | 7 | 4.6 | 2.6 | 14.1 | 5.9 | 28.9 | 9.6 | 44.4 | 3.8 | 4.8 | 4.6 | 13.3 | 3.5 | 22.5 | 2.1 | 28.2 | |

| | Bradley Road Southbound | | | | Newport Road Westbound | | | | Bradley Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 59 | 25 | 18 | 102 | 47 | 212 | **83** | **342** | **32** | 39 | **38** | **109** | **31** | 146 | 12 | 189 | 742 |
| 05:00 PM | **60** | 44 | 20 | **124** | **48** | 219 | 71 | 338 | 25 | **42** | 35 | 102 | 28 | 167 | **25** | 220 | **784** |
| 05:15 PM | 57 | 38 | **21** | 116 | 29 | **230** | 65 | 324 | 26 | 41 | 35 | 102 | 27 | 172 | 24 | 223 | 765 |
| 05:30 PM | 43 | **45** | 15 | 103 | 48 | 211 | 57 | 316 | 27 | 29 | 21 | 77 | 22 | **186** | 17 | **225** | 721 |
| Total Volume | 219 | 152 | 74 | 445 | 172 | 872 | 276 | 1320 | 110 | 151 | 129 | 390 | 108 | 671 | 78 | 857 | 3012 |
| % App. Total | 49.2 | 34.2 | 16.6 | | 13 | 66.1 | 20.9 | | 28.2 | 38.7 | 33.1 | | 12.6 | 78.3 | 9.1 | | |
| PHF | .913 | .844 | .881 | .897 | .896 | .948 | .831 | .965 | .859 | .899 | .849 | .894 | .871 | .902 | .780 | .952 | .960 |

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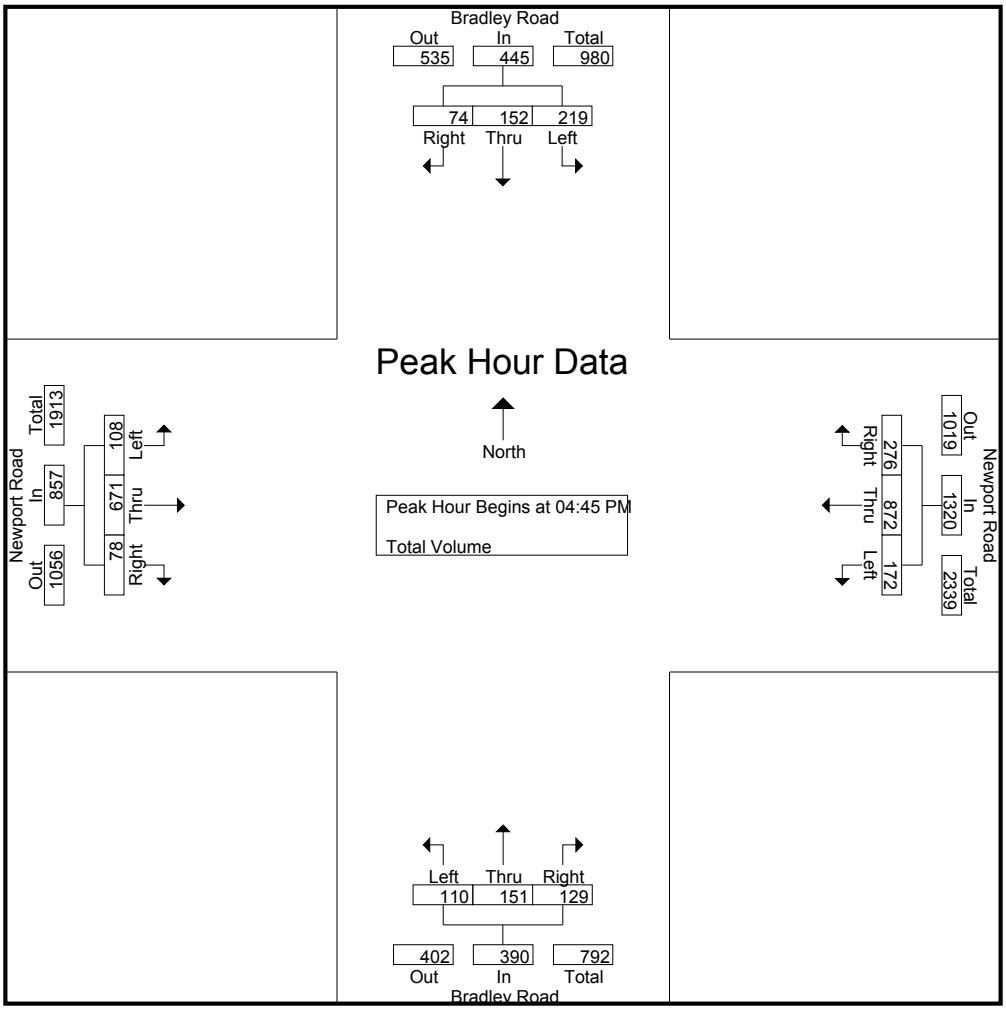
City of Menifee
N/S: Bradley Road
E/W: Newport Road
Weather: Clear

File Name : MENBRNEPM
Site Code : 00000155
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 04:00 PM | | | | 04:15 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **60** | 44 | 20 | **124** | **53** | **224** | **92** | **369** | 31 | 41 | 36 | 108 | **28** | 167 | **25** | 220 |
| +15 mins. | 57 | 38 | **21** | 116 | 46 | 206 | 72 | 324 | 26 | 38 | **44** | 108 | 27 | 172 | 24 | 223 |
| +30 mins. | 43 | **45** | 15 | 103 | 37 | 203 | 65 | 305 | **32** | 39 | 38 | **109** | 22 | **186** | 17 | **225** |
| +45 mins. | 59 | 31 | 14 | 104 | 47 | 212 | 83 | 342 | 25 | **42** | 35 | 102 | 24 | 162 | 22 | 208 |
| Total Volume | 219 | 158 | 70 | 447 | 183 | 845 | 312 | 1340 | 114 | 160 | 153 | 427 | 101 | 687 | 88 | 876 |
| % App. Total | 49 | 35.3 | 15.7 | | 13.7 | 63.1 | 23.3 | | 26.7 | 37.5 | 35.8 | | 11.5 | 78.4 | 10 | |
| PHF | .913 | .878 | .833 | .901 | .863 | .943 | .848 | .908 | .891 | .952 | .869 | .979 | .902 | .923 | .880 | .973 |

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Corona, CA 92878
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City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHAM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 10 | 0 | 33 | 43 | 27 | 84 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 102 | 84 | 186 | 340 |
| 07:15 AM | 4 | 0 | 32 | 36 | 33 | 109 | 0 | 142 | 0 | 0 | 0 | 0 | 0 | 118 | 88 | 206 | 384 |
| 07:30 AM | 11 | 0 | 33 | 44 | 27 | 114 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | 108 | 80 | 188 | 373 |
| 07:45 AM | 18 | 1 | 43 | 62 | 26 | 133 | 0 | 159 | 0 | 0 | 0 | 0 | 0 | 113 | 66 | 179 | 400 |
| Total | 43 | 1 | 141 | 185 | 113 | 440 | 0 | 553 | 0 | 0 | 0 | 0 | 0 | 441 | 318 | 759 | 1497 |
| 08:00 AM | 19 | 0 | 41 | 60 | 21 | 105 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 91 | 55 | 146 | 332 |
| 08:15 AM | 10 | 0 | 28 | 38 | 22 | 93 | 0 | 115 | 0 | 0 | 0 | 0 | 0 | 89 | 55 | 144 | 297 |
| 08:30 AM | 9 | 0 | 41 | 50 | 17 | 91 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 86 | 44 | 130 | 288 |
| 08:45 AM | 15 | 0 | 29 | 44 | 21 | 81 | 0 | 102 | 0 | 0 | 0 | 0 | 0 | 90 | 51 | 141 | 287 |
| Total | 53 | 0 | 139 | 192 | 81 | 370 | 0 | 451 | 0 | 0 | 0 | 0 | 0 | 356 | 205 | 561 | 1204 |
| Grand Total | 96 | 1 | 280 | 377 | 194 | 810 | 0 | 1004 | 0 | 0 | 0 | 0 | 0 | 797 | 523 | 1320 | 2701 |
| Apprch % | 25.5 | 0.3 | 74.3 | | 19.3 | 80.7 | 0 | | 0 | 0 | 0 | | 0 | 60.4 | 39.6 | | |
| Total % | 3.6 | 0 | 10.4 | 14 | 7.2 | 30 | 0 | 37.2 | 0 | 0 | 0 | 0 | 0 | 29.5 | 19.4 | 48.9 | |
| Passenger Vehicles | 84 | 1 | 264 | 349 | 182 | 764 | 0 | 946 | 0 | 0 | 0 | 0 | 0 | 773 | 502 | 1275 | 2570 |
| % Passenger Vehicles | 87.5 | 100 | 94.3 | 92.6 | 93.8 | 94.3 | 0 | 94.2 | 0 | 0 | 0 | 0 | 0 | 97 | 96 | 96.6 | 95.1 |
| Large 2 Axle Vehicles | 5 | 0 | 16 | 21 | 5 | 37 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 21 | 12 | 33 | 96 |
| % Large 2 Axle Vehicles | 5.2 | 0 | 5.7 | 5.6 | 2.6 | 4.6 | 0 | 4.2 | 0 | 0 | 0 | 0 | 0 | 2.6 | 2.3 | 2.5 | 3.6 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4+ Axle Trucks | 7 | 0 | 0 | 7 | 7 | 9 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 12 | 35 |
| % 4+ Axle Trucks | 7.3 | 0 | 0 | 1.9 | 3.6 | 1.1 | 0 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.7 | 0.9 | 1.3 |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 10 | 0 | 33 | 43 | 27 | 84 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 102 | 84 | 186 | 340 |
| 07:15 AM | 4 | 0 | 32 | 36 | **33** | 109 | 0 | 142 | 0 | 0 | 0 | 0 | 0 | **118** | **88** | **206** | 384 |
| 07:30 AM | 11 | 0 | 33 | 44 | 27 | 114 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | 108 | 80 | 188 | 373 |
| 07:45 AM | **18** | **1** | **43** | **62** | 26 | **133** | 0 | **159** | 0 | 0 | 0 | 0 | 0 | 113 | 66 | 179 | **400** |
| Total Volume | 43 | 1 | 141 | 185 | 113 | 440 | 0 | 553 | 0 | 0 | 0 | 0 | 0 | 441 | 318 | 759 | 1497 |
| % App. Total | 23.2 | 0.5 | 76.2 | | 20.4 | 79.6 | 0 | | 0 | 0 | 0 | | 0 | 58.1 | 41.9 | | |
| PHF | .597 | .250 | .820 | .746 | .856 | .827 | .000 | .869 | .000 | .000 | .000 | .000 | .000 | .934 | .903 | .921 | .936 |

Counts Unlimited, Inc.
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City of Menifee
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File Name : MEN15SETHAM
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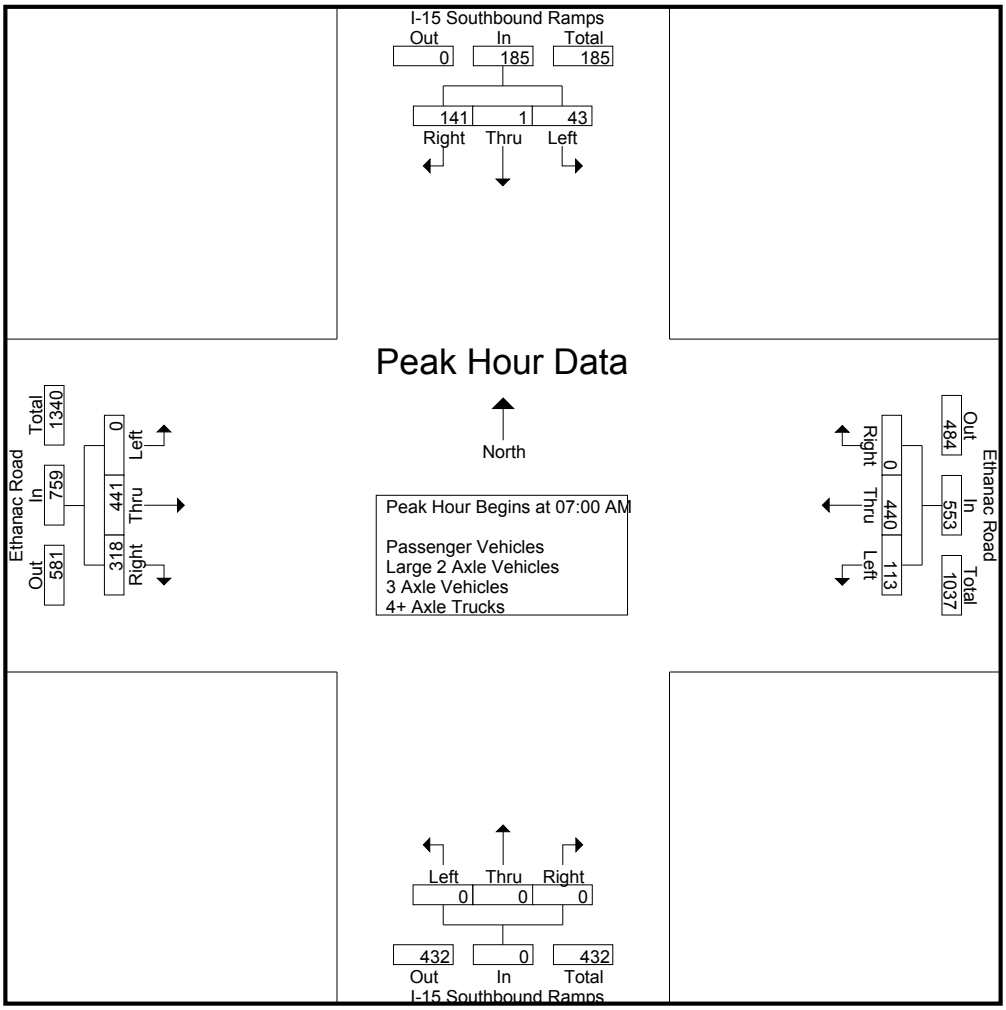
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:15 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 18 | **1** | **43** | **62** | **33** | 109 | 0 | 142 | 0 | 0 | 0 | 0 | 0 | 102 | 84 | 186 |
| +15 mins. | **19** | 0 | 41 | 60 | 27 | 114 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | **118** | **88** | **206** |
| +30 mins. | 10 | 0 | 28 | 38 | 26 | **133** | 0 | **159** | 0 | 0 | 0 | 0 | 0 | 108 | 80 | 188 |
| +45 mins. | 9 | 0 | 41 | 50 | 21 | 105 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 113 | 66 | 179 |
| Total Volume | 56 | 1 | 153 | 210 | 107 | 461 | 0 | 568 | 0 | 0 | 0 | 0 | 0 | 441 | 318 | 759 |
| % App. Total | 26.7 | 0.5 | 72.9 | | 18.8 | 81.2 | 0 | | 0 | 0 | 0 | | 0 | 58.1 | 41.9 | |
| PHF | .737 | .250 | .890 | .847 | .811 | .867 | .000 | .893 | .000 | .000 | .000 | .000 | .000 | .934 | .903 | .921 |

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File Name : MEN15SETHAM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 9 | 0 | 25 | 34 | 26 | 80 | 0 | 106 | 0 | 0 | 0 | 0 | 0 | 100 | 81 | 181 | 321 |
| 07:15 AM | 2 | 0 | 32 | 34 | 32 | 104 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | 117 | 86 | 203 | 373 |
| 07:30 AM | 9 | 0 | 33 | 42 | 25 | 110 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 107 | 75 | 182 | 359 |
| 07:45 AM | 17 | 1 | 41 | 59 | 26 | 124 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 108 | 64 | 172 | 381 |
| Total | 37 | 1 | 131 | 169 | 109 | 418 | 0 | 527 | 0 | 0 | 0 | 0 | 0 | 432 | 306 | 738 | 1434 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 18 | 0 | 39 | 57 | 20 | 98 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 87 | 53 | 140 | 315 |
| 08:15 AM | 8 | 0 | 28 | 36 | 20 | 87 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | 84 | 51 | 135 | 278 |
| 08:30 AM | 9 | 0 | 41 | 50 | 13 | 86 | 0 | 99 | 0 | 0 | 0 | 0 | 0 | 82 | 41 | 123 | 272 |
| 08:45 AM | 12 | 0 | 25 | 37 | 20 | 75 | 0 | 95 | 0 | 0 | 0 | 0 | 0 | 88 | 51 | 139 | 271 |
| Total | 47 | 0 | 133 | 180 | 73 | 346 | 0 | 419 | 0 | 0 | 0 | 0 | 0 | 341 | 196 | 537 | 1136 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 84 | 1 | 264 | 349 | 182 | 764 | 0 | 946 | 0 | 0 | 0 | 0 | 0 | 773 | 502 | 1275 | 2570 |
| Apprch % | 24.1 | 0.3 | 75.6 | | 19.2 | 80.8 | 0 | | 0 | 0 | 0 | | 0 | 60.6 | 39.4 | | |
| Total % | 3.3 | 0 | 10.3 | 13.6 | 7.1 | 29.7 | 0 | 36.8 | 0 | 0 | 0 | 0 | 0 | 30.1 | 19.5 | 49.6 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 9 | 0 | 25 | 34 | 26 | 80 | 0 | 106 | 0 | 0 | 0 | 0 | 0 | 100 | 81 | 181 | 321 |
| 07:15 AM | 2 | 0 | 32 | 34 | **32** | 104 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | **117** | **86** | **203** | 373 |
| 07:30 AM | 9 | 0 | 33 | 42 | 25 | 110 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 107 | 75 | 182 | 359 |
| 07:45 AM | **17** | **1** | **41** | **59** | 26 | **124** | 0 | **150** | 0 | 0 | 0 | 0 | 0 | 108 | 64 | 172 | **381** |
| Total Volume | 37 | 1 | 131 | 169 | 109 | 418 | 0 | 527 | 0 | 0 | 0 | 0 | 0 | 432 | 306 | 738 | 1434 |
| % App. Total | 21.9 | 0.6 | 77.5 | | 20.7 | 79.3 | 0 | | 0 | 0 | 0 | | 0 | 58.5 | 41.5 | | |
| PHF | .544 | .250 | .799 | .716 | .852 | .843 | .000 | .878 | .000 | .000 | .000 | .000 | .000 | .923 | .890 | .909 | .941 |

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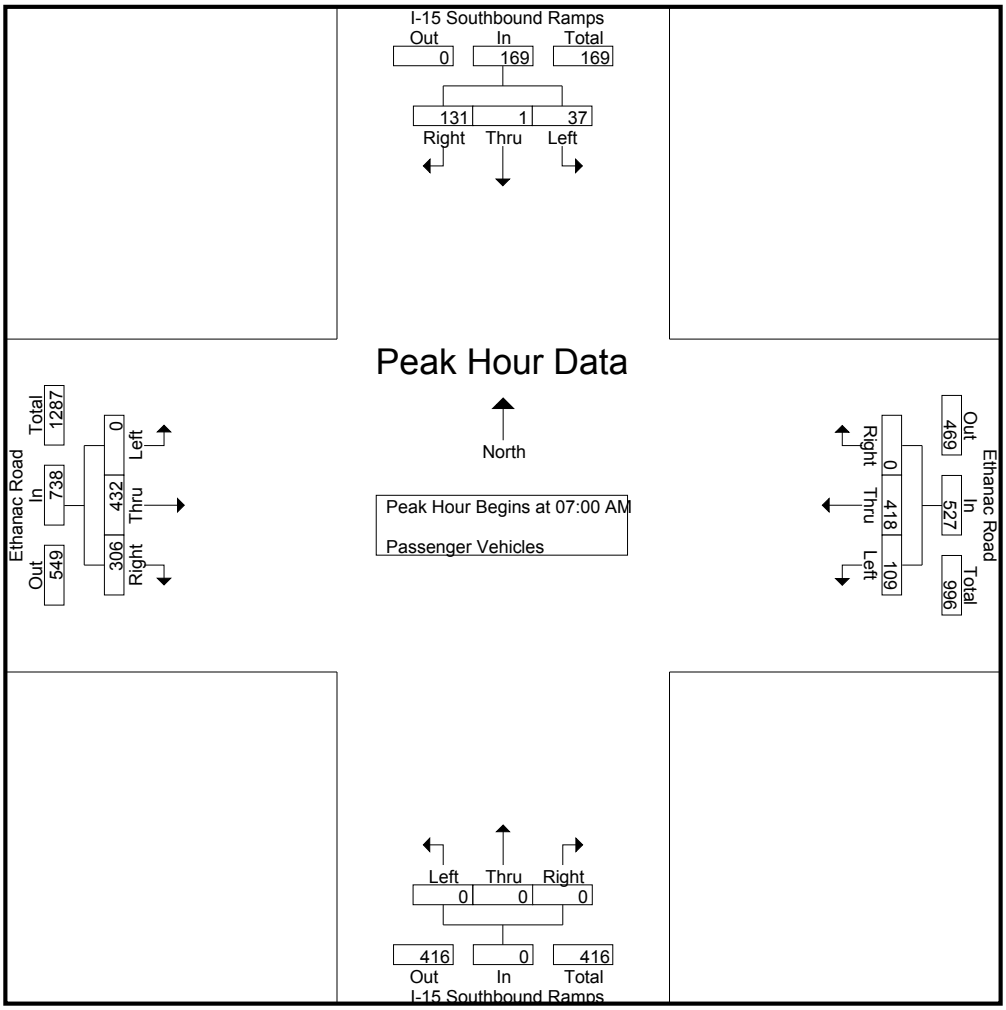
File Name : MEN15SETHAM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 9 | 0 | 25 | 34 | 26 | 80 | 0 | 106 | 0 | 0 | 0 | 0 | 0 | 100 | 81 | 181 |
| +15 mins. | 2 | 0 | 32 | 34 | **32** | 104 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | **117** | **86** | **203** |
| +30 mins. | 9 | 0 | 33 | 42 | 25 | 110 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 107 | 75 | 182 |
| +45 mins. | **17** | **1** | **41** | **59** | 26 | **124** | 0 | **150** | 0 | 0 | 0 | 0 | 0 | 108 | 64 | 172 |
| Total Volume | 37 | 1 | 131 | 169 | 109 | 418 | 0 | 527 | 0 | 0 | 0 | 0 | 0 | 432 | 306 | 738 |
| % App. Total | 21.9 | 0.6 | 77.5 | | 20.7 | 79.3 | 0 | | 0 | 0 | 0 | | 0 | 58.5 | 41.5 | |
| PHF | .544 | .250 | .799 | .716 | .852 | .843 | .000 | .878 | .000 | .000 | .000 | .000 | .000 | .923 | .890 | .909 |

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Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 8 | 8 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 14 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 8 |
| 07:30 AM | 1 | 0 | 0 | 1 | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 8 |
| 07:45 AM | 0 | 0 | 2 | 2 | 0 | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 15 |
| Total | 1 | 0 | 10 | 11 | 1 | 20 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 13 | 45 |
| 08:00 AM | 0 | 0 | 2 | 2 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 10 |
| 08:15 AM | 2 | 0 | 0 | 2 | 1 | 5 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | 17 |
| 08:30 AM | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 11 |
| 08:45 AM | 2 | 0 | 4 | 6 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 13 |
| Total | 4 | 0 | 6 | 10 | 4 | 17 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 13 | 7 | 20 | 51 |
| Grand Total | 5 | 0 | 16 | 21 | 5 | 37 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 21 | 12 | 33 | 96 |
| Apprch % | 23.8 | 0 | 76.2 | | 11.9 | 88.1 | 0 | | 0 | 0 | 0 | | 0 | 63.6 | 36.4 | | |
| Total % | 5.2 | 0 | 16.7 | 21.9 | 5.2 | 38.5 | 0 | 43.8 | 0 | 0 | 0 | 0 | 0 | 21.9 | 12.5 | 34.4 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | **8** | **8** | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 14 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | **2** | 3 | 8 |
| 07:30 AM | **1** | 0 | 0 | 1 | **1** | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 8 |
| 07:45 AM | 0 | 0 | 2 | 2 | 0 | **8** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** | **15** |
| Total Volume | 1 | 0 | 10 | 11 | 1 | 20 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 13 | 45 |
| % App. Total | 9.1 | 0 | 90.9 | | 4.8 | 95.2 | 0 | | 0 | 0 | 0 | | 0 | 61.5 | 38.5 | | |
| PHF | .250 | .000 | .313 | .344 | .250 | .625 | .000 | .656 | .000 | .000 | .000 | .000 | .000 | .400 | .625 | .650 | .750 |

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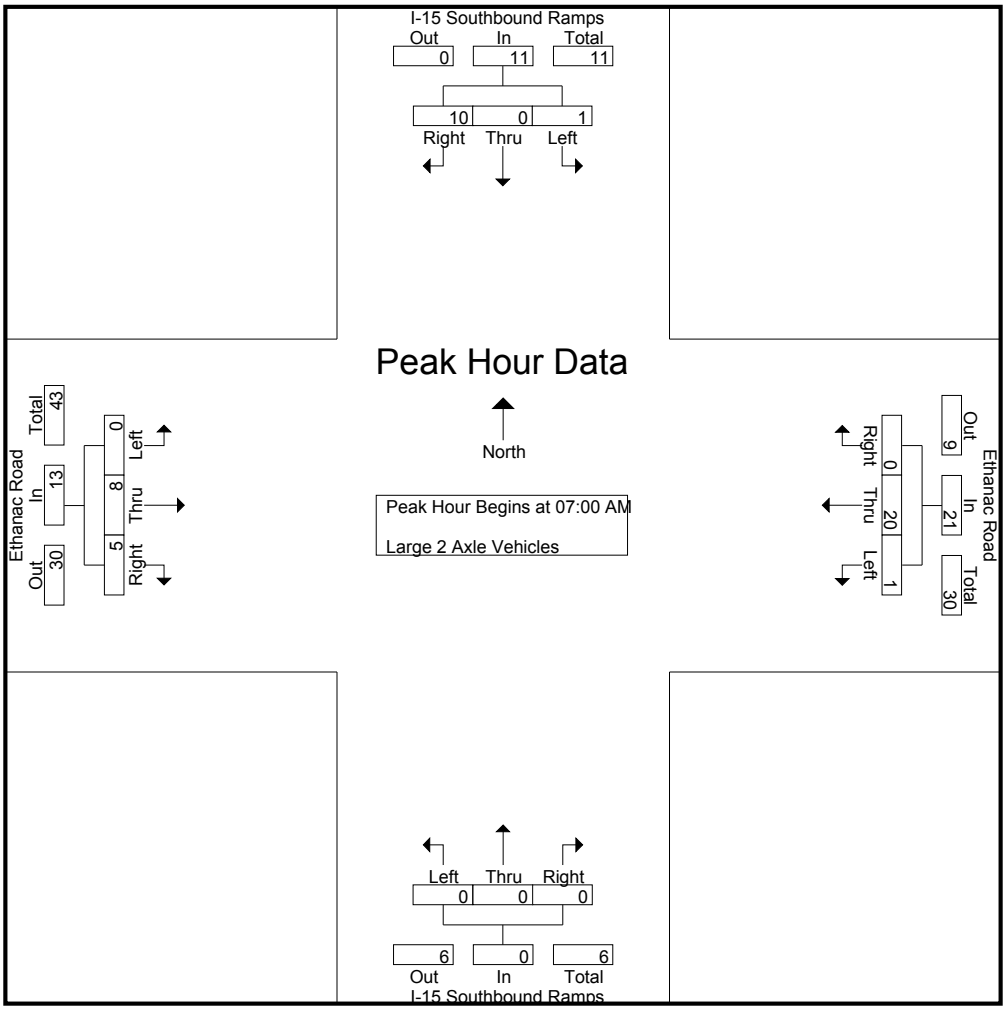
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | **8** | **8** | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | **2** | 3 |
| +30 mins. | **1** | 0 | 0 | 1 | **1** | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| +45 mins. | 0 | 0 | 2 | 2 | 0 | **8** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** |
| Total Volume | 1 | 0 | 10 | 11 | 1 | 20 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 13 |
| % App. Total | 9.1 | 0 | 90.9 | | 4.8 | 95.2 | 0 | | 0 | 0 | 0 | | 0 | 61.5 | 38.5 | |
| PHF | .250 | .000 | .313 | .344 | .250 | .625 | .000 | .656 | .000 | .000 | .000 | .000 | .000 | .400 | .625 | .650 |

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Groups Printed- 3 Axle Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| Total % | | | | | | | | | | | | | | | | | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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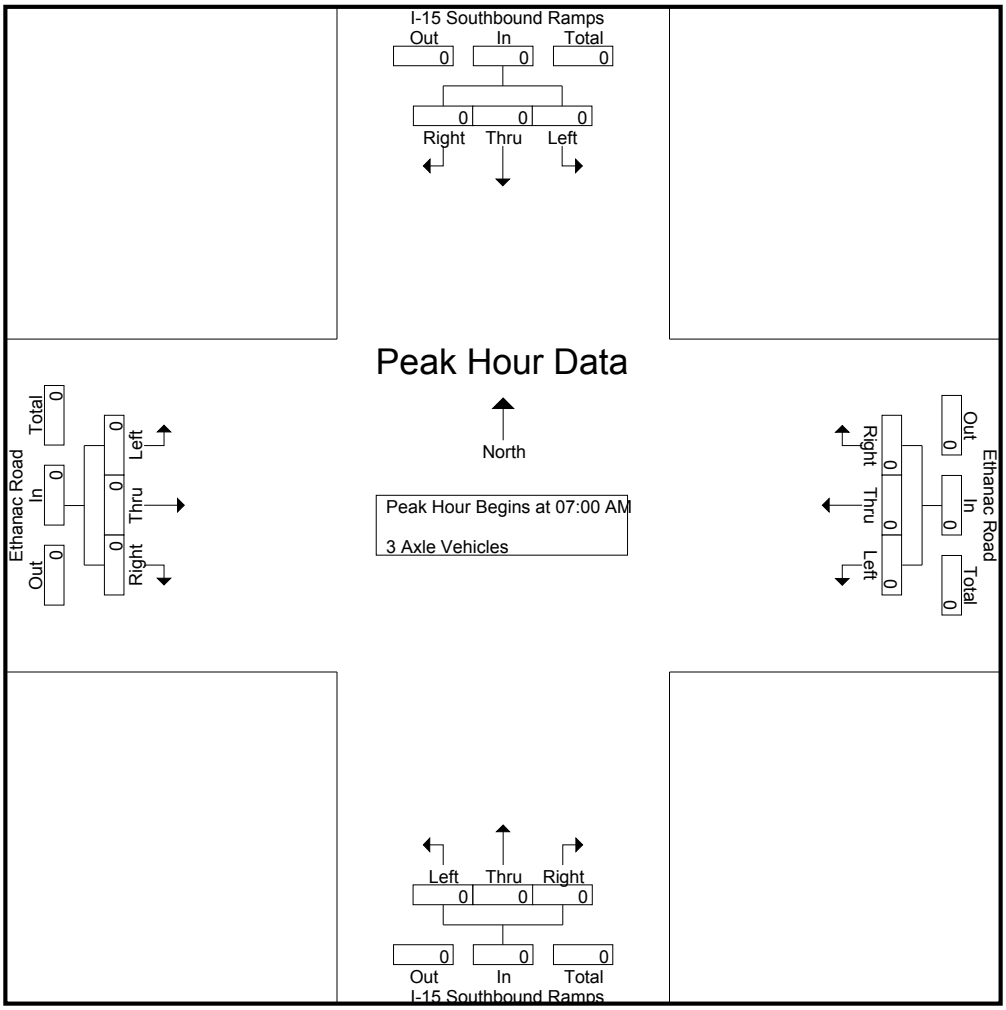


Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Counts Unlimited, Inc.
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(951) 268-6268

City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHAM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 |
| 07:15 AM | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:30 AM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 6 |
| 07:45 AM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| Total | 5 | 0 | 0 | 5 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 8 | 18 |
| 08:00 AM | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 7 |
| 08:15 AM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:30 AM | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| 08:45 AM | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 2 | 0 | 0 | 2 | 4 | 7 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 17 |
| Grand Total | 7 | 0 | 0 | 7 | 7 | 9 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 12 | 35 |
| Apprch % | 100 | 0 | 0 | | 43.8 | 56.2 | 0 | | 0 | 0 | 0 | | 0 | 25 | 75 | | |
| Total % | 20 | 0 | 0 | 20 | 20 | 25.7 | 0 | 45.7 | 0 | 0 | 0 | 0 | 0 | 8.6 | 25.7 | 34.3 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 1 | 0 | 0 | 1 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 |
| 07:15 AM | **2** | 0 | 0 | **2** | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:30 AM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **1** | **3** | **4** | **6** |
| 07:45 AM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| Total Volume | 5 | 0 | 0 | 5 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 8 | 18 |
| % App. Total | 100 | 0 | 0 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 12.5 | 87.5 | | |
| PHF | .625 | .000 | .000 | .625 | .750 | .500 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .250 | .583 | .500 | .750 |

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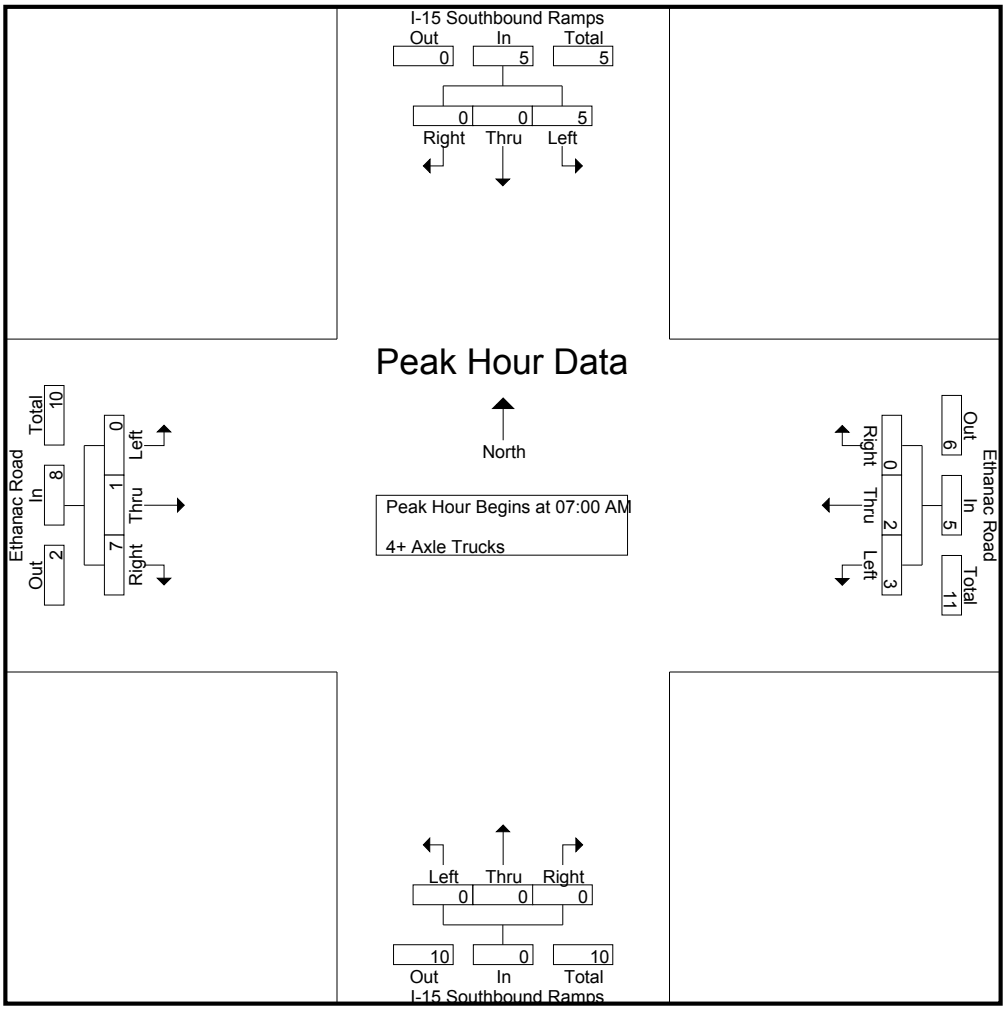
File Name : MEN15SETHAM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | 0 | 0 | 1 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| +15 mins. | **2** | 0 | 0 | **2** | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **1** | **3** | **4** |
| +45 mins. | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Total Volume | 5 | 0 | 0 | 5 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 8 |
| % App. Total | 100 | 0 | 0 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 12.5 | 87.5 | |
| PHF | .625 | .000 | .000 | .625 | .750 | .500 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .250 | .583 | .500 |

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File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 19 | 1 | 63 | 83 | 29 | 109 | 0 | 138 | 0 | 0 | 0 | 0 | 0 | 88 | 79 | 167 | 388 |
| 04:15 PM | 19 | 0 | 82 | 101 | 14 | 96 | 0 | 110 | 0 | 0 | 0 | 0 | 0 | 100 | 77 | 177 | 388 |
| 04:30 PM | 24 | 0 | 73 | 97 | 24 | 100 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | 103 | 82 | 185 | 406 |
| 04:45 PM | 14 | 2 | 65 | 81 | 19 | 88 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | 94 | 83 | 177 | 365 |
| Total | 76 | 3 | 283 | 362 | 86 | 393 | 0 | 479 | 0 | 0 | 0 | 0 | 0 | 385 | 321 | 706 | 1547 |
| 05:00 PM | 20 | 1 | 53 | 74 | 24 | 107 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 93 | 79 | 172 | 377 |
| 05:15 PM | 28 | 0 | 74 | 102 | 15 | 116 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 87 | 86 | 173 | 406 |
| 05:30 PM | 18 | 0 | 59 | 77 | 22 | 100 | 0 | 122 | 0 | 0 | 0 | 0 | 0 | 73 | 98 | 171 | 370 |
| 05:45 PM | 23 | 0 | 51 | 74 | 19 | 84 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 98 | 58 | 156 | 333 |
| Total | 89 | 1 | 237 | 327 | 80 | 407 | 0 | 487 | 0 | 0 | 0 | 0 | 0 | 351 | 321 | 672 | 1486 |
| Grand Total | 165 | 4 | 520 | 689 | 166 | 800 | 0 | 966 | 0 | 0 | 0 | 0 | 0 | 736 | 642 | 1378 | 3033 |
| Apprch % | 23.9 | 0.6 | 75.5 | | 17.2 | 82.8 | 0 | | 0 | 0 | 0 | | 0 | 53.4 | 46.6 | | |
| Total % | 5.4 | 0.1 | 17.1 | 22.7 | 5.5 | 26.4 | 0 | 31.8 | 0 | 0 | 0 | 0 | 0 | 24.3 | 21.2 | 45.4 | |
| Passenger Vehicles | 156 | 4 | 518 | 678 | 161 | 781 | 0 | 942 | 0 | 0 | 0 | 0 | 0 | 721 | 636 | 1357 | 2977 |
| % Passenger Vehicles | 94.5 | 100 | 99.6 | 98.4 | 97 | 97.6 | 0 | 97.5 | 0 | 0 | 0 | 0 | 0 | 98 | 99.1 | 98.5 | 98.2 |
| Large 2 Axle Vehicles | 7 | 0 | 1 | 8 | 0 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 32 |
| % Large 2 Axle Vehicles | 4.2 | 0 | 0.2 | 1.2 | 0 | 1.5 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0.6 | 0.9 | 1.1 |
| 3 Axle Vehicles | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| % 3 Axle Vehicles | 0.6 | 0 | 0 | 0.1 | 0.6 | 0.2 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.1 | 0.2 |
| 4+ Axle Trucks | 1 | 0 | 1 | 2 | 4 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 7 | 18 |
| % 4+ Axle Trucks | 0.6 | 0 | 0.2 | 0.3 | 2.4 | 0.6 | 0 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.3 | 0.5 | 0.6 |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 24 | 0 | 73 | 97 | **24** | 100 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | **103** | 82 | **185** | **406** |
| 04:45 PM | 14 | **2** | 65 | 81 | 19 | 88 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | 94 | 83 | 177 | 365 |
| 05:00 PM | 20 | 1 | 53 | 74 | 24 | 107 | 0 | **131** | 0 | 0 | 0 | 0 | 0 | 93 | 79 | 172 | 377 |
| 05:15 PM | **28** | 0 | **74** | **102** | 15 | **116** | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 87 | **86** | 173 | 406 |
| Total Volume | 86 | 3 | 265 | 354 | 82 | 411 | 0 | 493 | 0 | 0 | 0 | 0 | 0 | 377 | 330 | 707 | 1554 |
| % App. Total | 24.3 | 0.8 | 74.9 | | 16.6 | 83.4 | 0 | | 0 | 0 | 0 | | 0 | 53.3 | 46.7 | | |
| PHF | .768 | .375 | .895 | .868 | .854 | .886 | .000 | .941 | .000 | .000 | .000 | .000 | .000 | .915 | .959 | .955 | .957 |

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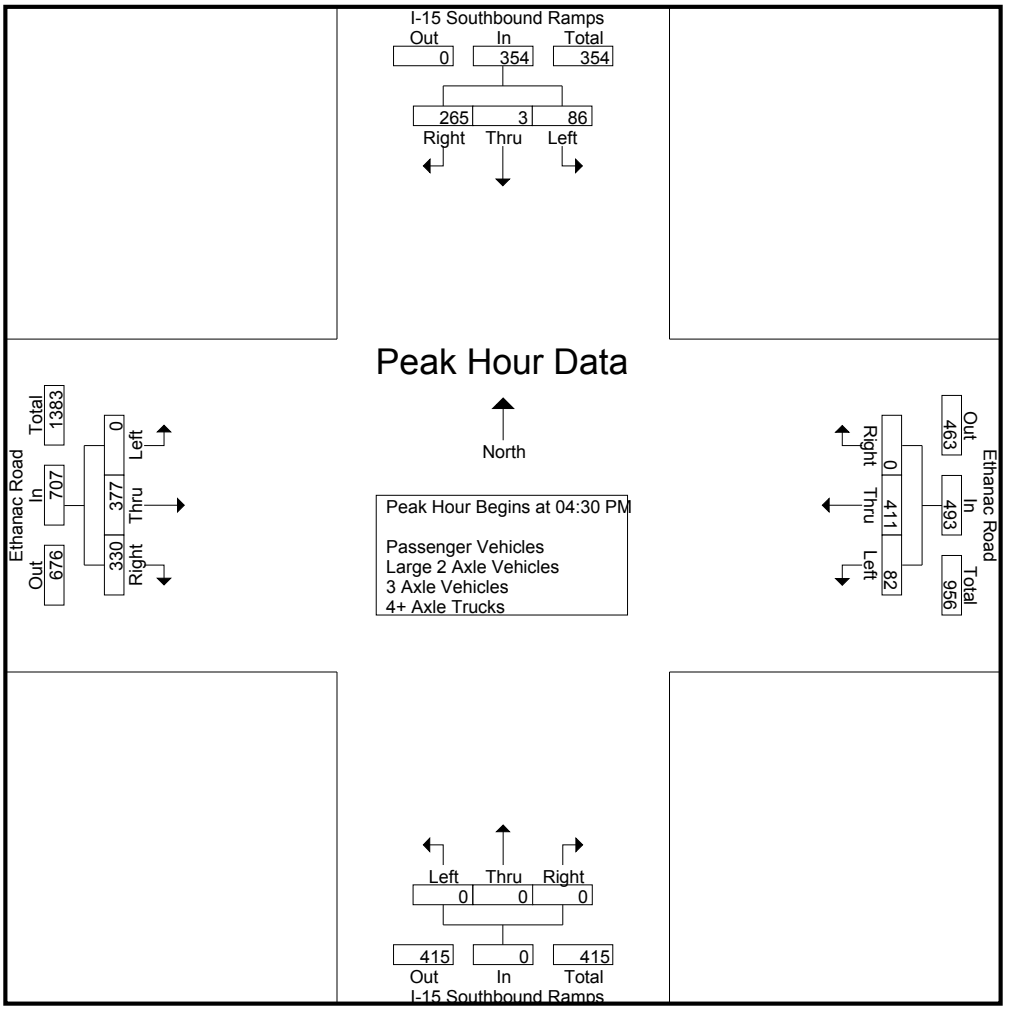
File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:30 PM | | | | 04:00 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 19 | 1 | 63 | 83 | **24** | 100 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | 100 | 77 | 177 |
| +15 mins. | 19 | 0 | **82** | **101** | 19 | 88 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | **103** | 82 | **185** |
| +30 mins. | **24** | 0 | 73 | 97 | 24 | 107 | 0 | **131** | 0 | 0 | 0 | 0 | 0 | 94 | **83** | 177 |
| +45 mins. | 14 | **2** | 65 | 81 | 15 | **116** | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 93 | 79 | 172 |
| Total Volume | 76 | 3 | 283 | 362 | 82 | 411 | 0 | 493 | 0 | 0 | 0 | 0 | 0 | 390 | 321 | 711 |
| % App. Total | 21 | 0.8 | 78.2 | | 16.6 | 83.4 | 0 | | 0 | 0 | 0 | | 0 | 54.9 | 45.1 | |
| PHF | .792 | .375 | .863 | .896 | .854 | .886 | .000 | .941 | .000 | .000 | .000 | .000 | .000 | .947 | .967 | .961 |

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City of Menifee
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File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 19 | 1 | 63 | 83 | 29 | 106 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 86 | 78 | 164 | 382 |
| 04:15 PM | 19 | 0 | 81 | 100 | 13 | 95 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 98 | 77 | 175 | 383 |
| 04:30 PM | 22 | 0 | 73 | 95 | 22 | 98 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | 102 | 82 | 184 | 399 |
| 04:45 PM | 13 | 2 | 64 | 79 | 19 | 86 | 0 | 105 | 0 | 0 | 0 | 0 | 0 | 92 | 82 | 174 | 358 |
| Total | 73 | 3 | 281 | 357 | 83 | 385 | 0 | 468 | 0 | 0 | 0 | 0 | 0 | 378 | 319 | 697 | 1522 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 17 | 1 | 53 | 71 | 23 | 103 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 91 | 79 | 170 | 367 |
| 05:15 PM | 27 | 0 | 74 | 101 | 15 | 116 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 83 | 86 | 169 | 401 |
| 05:30 PM | 16 | 0 | 59 | 75 | 22 | 95 | 0 | 117 | 0 | 0 | 0 | 0 | 0 | 73 | 94 | 167 | 359 |
| 05:45 PM | 23 | 0 | 51 | 74 | 18 | 82 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 96 | 58 | 154 | 328 |
| Total | 83 | 1 | 237 | 321 | 78 | 396 | 0 | 474 | 0 | 0 | 0 | 0 | 0 | 343 | 317 | 660 | 1455 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 156 | 4 | 518 | 678 | 161 | 781 | 0 | 942 | 0 | 0 | 0 | 0 | 0 | 721 | 636 | 1357 | 2977 |
| Apprch % | 23 | 0.6 | 76.4 | | 17.1 | 82.9 | 0 | | 0 | 0 | 0 | | 0 | 53.1 | 46.9 | | |
| Total % | 5.2 | 0.1 | 17.4 | 22.8 | 5.4 | 26.2 | 0 | 31.6 | 0 | 0 | 0 | 0 | 0 | 24.2 | 21.4 | 45.6 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 22 | 0 | 73 | 95 | 22 | 98 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | **102** | 82 | **184** | 399 |
| 04:45 PM | 13 | **2** | 64 | 79 | 19 | 86 | 0 | 105 | 0 | 0 | 0 | 0 | 0 | 92 | 82 | 174 | 358 |
| 05:00 PM | 17 | 1 | 53 | 71 | **23** | 103 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 91 | 79 | 170 | 367 |
| 05:15 PM | **27** | 0 | **74** | **101** | 15 | **116** | 0 | **131** | 0 | 0 | 0 | 0 | 0 | 83 | **86** | 169 | **401** |
| Total Volume | 79 | 3 | 264 | 346 | 79 | 403 | 0 | 482 | 0 | 0 | 0 | 0 | 0 | 368 | 329 | 697 | 1525 |
| % App. Total | 22.8 | 0.9 | 76.3 | | 16.4 | 83.6 | 0 | | 0 | 0 | 0 | | 0 | 52.8 | 47.2 | | |
| PHF | .731 | .375 | .892 | .856 | .859 | .869 | .000 | .920 | .000 | .000 | .000 | .000 | .000 | .902 | .956 | .947 | .951 |

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File Name : MEN15SETHPM
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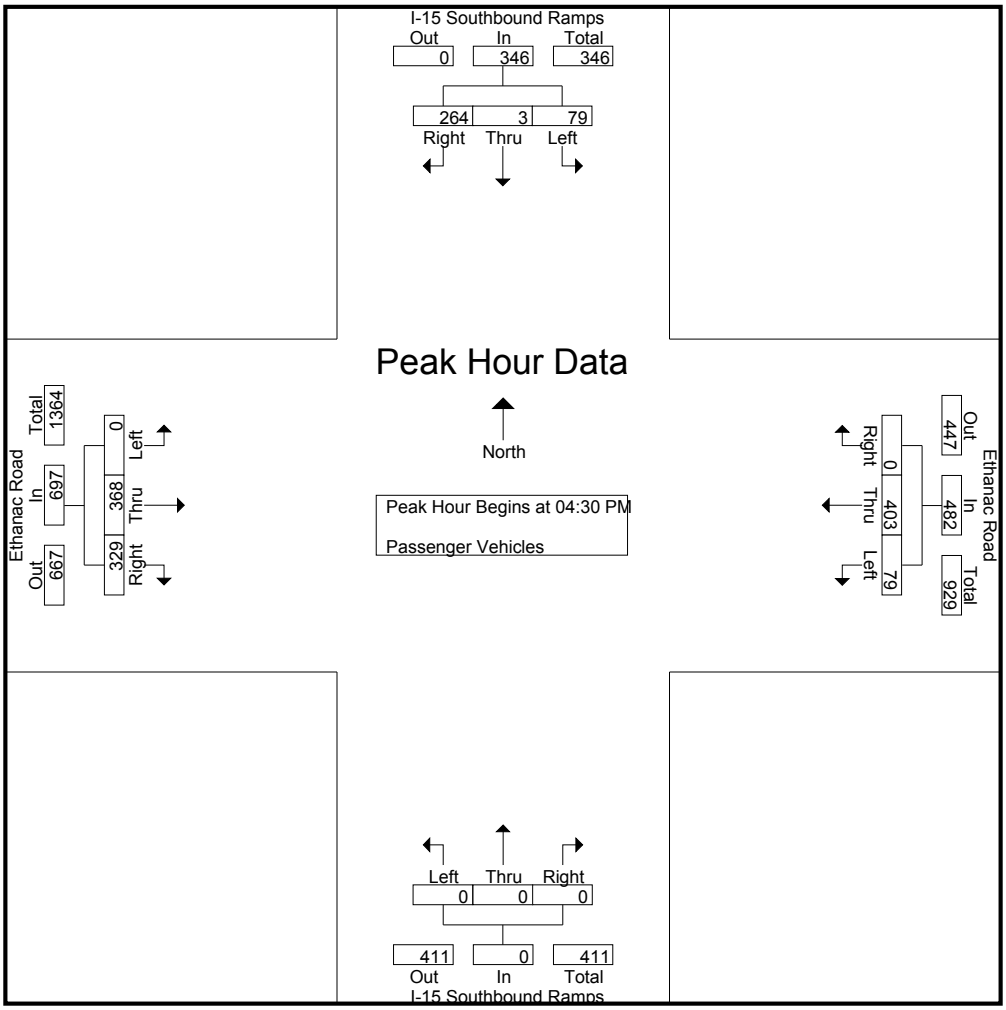


Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 22 | 0 | 73 | 95 | 22 | 98 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | **102** | 82 | **184** |
| +15 mins. | 13 | **2** | 64 | 79 | 19 | 86 | 0 | 105 | 0 | 0 | 0 | 0 | 0 | 92 | 82 | 174 |
| +30 mins. | 17 | 1 | 53 | 71 | **23** | 103 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 91 | 79 | 170 |
| +45 mins. | **27** | 0 | **74** | **101** | 15 | **116** | 0 | **131** | 0 | 0 | 0 | 0 | 0 | 83 | **86** | 169 |
| Total Volume | 79 | 3 | 264 | 346 | 79 | 403 | 0 | 482 | 0 | 0 | 0 | 0 | 0 | 368 | 329 | 697 |
| % App. Total | 22.8 | 0.9 | 76.3 | | 16.4 | 83.6 | 0 | | 0 | 0 | 0 | | 0 | 52.8 | 47.2 | |
| PHF | .731 | .375 | .892 | .856 | .859 | .869 | .000 | .920 | .000 | .000 | .000 | .000 | .000 | .902 | .956 | .947 |

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File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 04:15 PM | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| 04:30 PM | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 04:45 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| Total | 3 | 0 | 1 | 4 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 12 |
| 05:00 PM | 2 | 0 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| 05:15 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| 05:30 PM | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 7 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| Total | 4 | 0 | 0 | 4 | 0 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 7 | 20 |
| Grand Total | 7 | 0 | 1 | 8 | 0 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 32 |
| Apprch % | 87.5 | 0 | 12.5 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 66.7 | 33.3 | | |
| Total % | 21.9 | 0 | 3.1 | 25 | 0 | 37.5 | 0 | 37.5 | 0 | 0 | 0 | 0 | 0 | 25 | 12.5 | 37.5 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | **2** | 0 | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 04:45 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 3 |
| 05:00 PM | 2 | 0 | 0 | 2 | 0 | **3** | 0 | **3** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | **6** |
| 05:15 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | 4 |
| Total Volume | 6 | 0 | 0 | 6 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 16 |
| % App. Total | 100 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 83.3 | 16.7 | | |
| PHF | .750 | .000 | .000 | .750 | .000 | .333 | .000 | .333 | .000 | .000 | .000 | .000 | .000 | .417 | .250 | .500 | .667 |

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File Name : MEN15SETHPM
Site Code : 00000059
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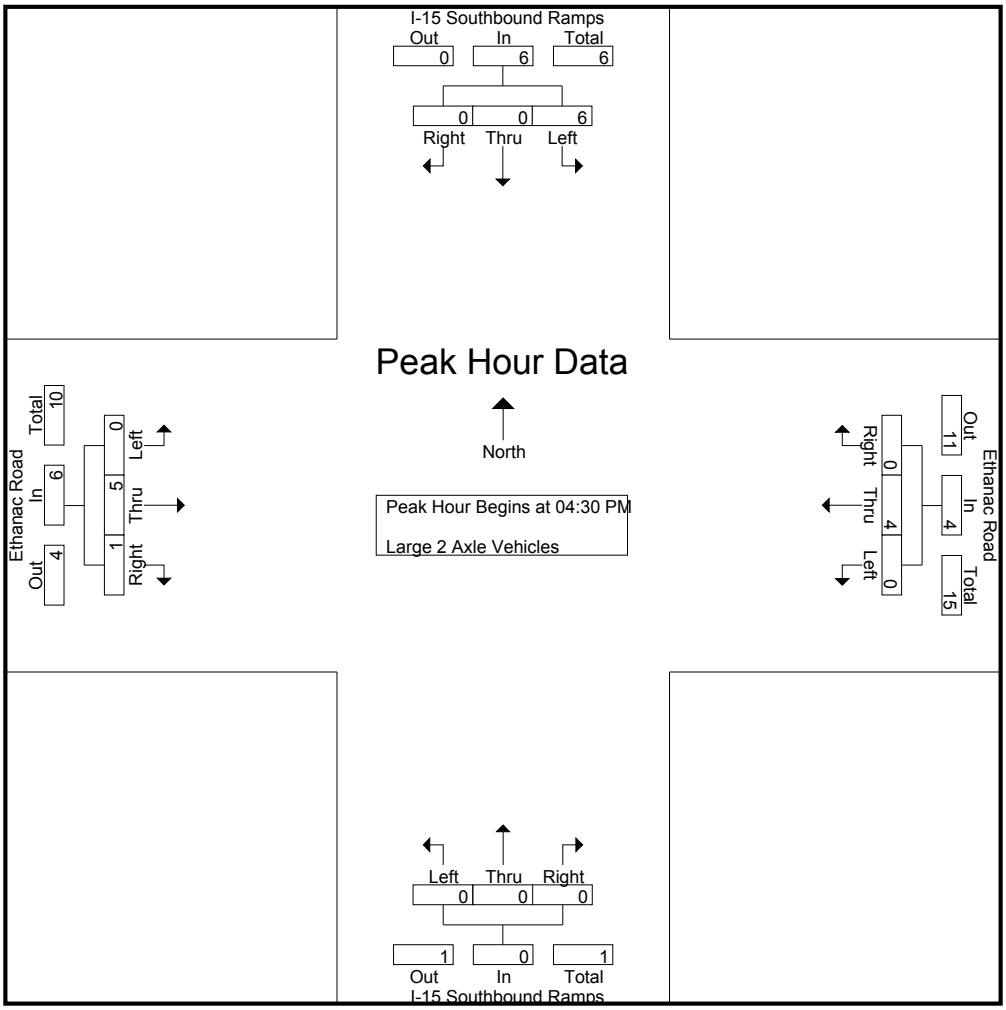
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **2** | 0 | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +15 mins. | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 |
| +30 mins. | 2 | 0 | 0 | 2 | 0 | **3** | 0 | **3** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** |
| Total Volume | 6 | 0 | 0 | 6 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 |
| % App. Total | 100 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 83.3 | 16.7 | |
| PHF | .750 | .000 | .000 | .750 | .000 | .333 | .000 | .333 | .000 | .000 | .000 | .000 | .000 | .417 | .250 | .500 |

Counts Unlimited, Inc.
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City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| 05:00 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Grand Total | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| Apprch % | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 16.7 | 0 | 0 | 16.7 | 16.7 | 33.3 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 33.3 | 0 | 33.3 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2** |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 05:00 PM | **1** | 0 | 0 | **1** | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| % App. Total | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .250 | .000 | .000 | .250 | .250 | .500 | .000 | .375 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .625 |

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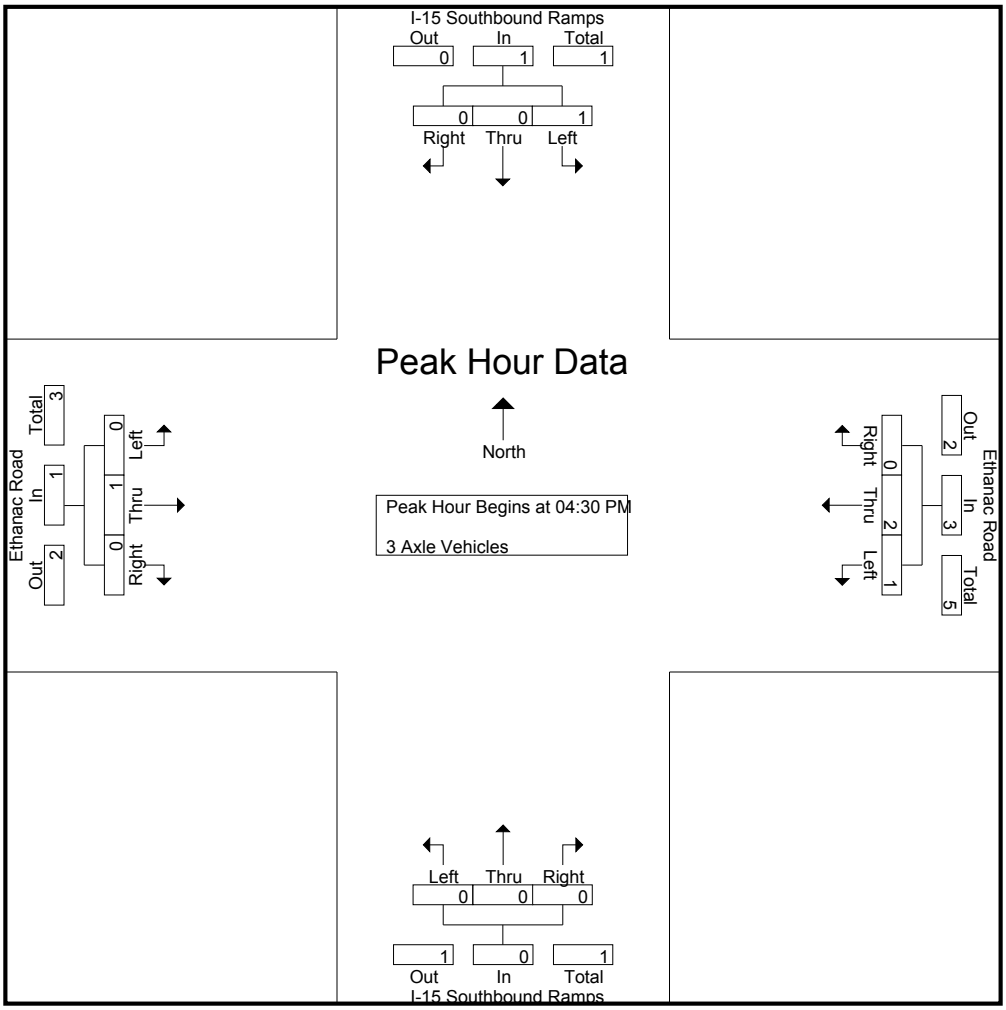
City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +30 mins. | **1** | 0 | 0 | **1** | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .250 | .000 | .000 | .250 | .250 | .500 | .000 | .375 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 04:15 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:45 PM | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| Total | 0 | 0 | 1 | 1 | 2 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 9 |
| 05:00 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:30 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| 05:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Total | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 9 |
| Grand Total | 1 | 0 | 1 | 2 | 4 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 7 | 18 |
| Apprch % | 50 | 0 | 50 | | 44.4 | 55.6 | 0 | | 0 | 0 | 0 | | 0 | 71.4 | 28.6 | | |
| Total % | 5.6 | 0 | 5.6 | 11.1 | 22.2 | 27.8 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 27.8 | 11.1 | 38.9 | |

| | I-15 Southbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Southbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:45 PM | 0 | 0 | **1** | **1** | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **3** |
| 05:00 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total Volume | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 8 |
| % App. Total | 0 | 0 | 100 | | 50 | 50 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .250 | .250 | .500 | .500 | .000 | .500 | .000 | .000 | .000 | .000 | .000 | .750 | .000 | .750 | .667 |

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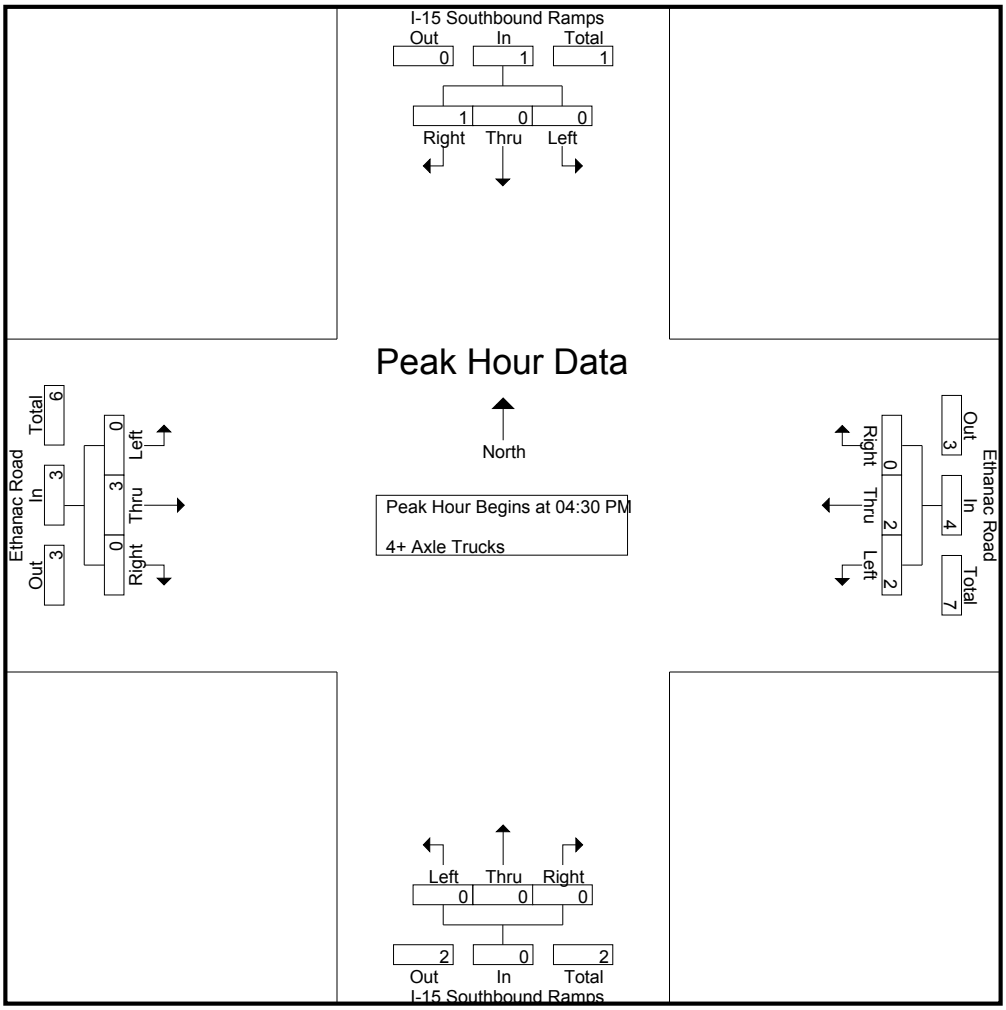
City of Menifee
N/S: I-15 Southbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15SETHPM
Site Code : 00000059
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | **1** | **1** | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Volume | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| % App. Total | 0 | 0 | 100 | | 50 | 50 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .250 | .250 | .500 | .500 | .000 | .500 | .000 | .000 | .000 | .000 | .000 | .750 | .000 | .750 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 49 | 2 | 41 | 92 | 98 | 110 | 0 | 208 | 0 | 0 | 0 | 0 | 0 | 130 | 59 | 189 | 489 |
| 07:15 AM | 65 | 0 | 36 | 101 | 112 | 134 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 134 | 56 | 190 | 537 |
| 07:30 AM | 24 | 0 | 29 | 53 | 126 | 118 | 0 | 244 | 0 | 0 | 0 | 0 | 0 | 145 | 85 | 230 | 527 |
| 07:45 AM | 44 | 0 | 66 | 110 | 87 | 170 | 0 | 257 | 0 | 0 | 0 | 0 | 0 | 169 | 57 | 226 | 593 |
| Total | 182 | 2 | 172 | 356 | 423 | 532 | 0 | 955 | 0 | 0 | 0 | 0 | 0 | 578 | 257 | 835 | 2146 |
| 08:00 AM | 18 | 0 | 25 | 43 | 101 | 185 | 0 | 286 | 0 | 0 | 0 | 0 | 0 | 129 | 68 | 197 | 526 |
| 08:15 AM | 35 | 0 | 53 | 88 | 85 | 168 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 142 | 47 | 189 | 530 |
| 08:30 AM | 23 | 0 | 40 | 63 | 116 | 179 | 0 | 295 | 0 | 0 | 0 | 0 | 0 | 185 | 62 | 247 | 605 |
| 08:45 AM | 20 | 0 | 59 | 79 | 101 | 148 | 0 | 249 | 0 | 0 | 0 | 0 | 0 | 151 | 72 | 223 | 551 |
| Total | 96 | 0 | 177 | 273 | 403 | 680 | 0 | 1083 | 0 | 0 | 0 | 0 | 0 | 607 | 249 | 856 | 2212 |
| Grand Total | 278 | 2 | 349 | 629 | 826 | 1212 | 0 | 2038 | 0 | 0 | 0 | 0 | 0 | 1185 | 506 | 1691 | 4358 |
| Apprch % | 44.2 | 0.3 | 55.5 | | 40.5 | 59.5 | 0 | | 0 | 0 | 0 | | 0 | 70.1 | 29.9 | | |
| Total % | 6.4 | 0 | 8 | 14.4 | 19 | 27.8 | 0 | 46.8 | 0 | 0 | 0 | 0 | 0 | 27.2 | 11.6 | 38.8 | |
| Passenger Vehicles | 263 | 1 | 320 | 584 | 793 | 1189 | 0 | 1982 | 0 | 0 | 0 | 0 | 0 | 1143 | 489 | 1632 | 4198 |
| % Passenger Vehicles | 94.6 | 50 | 91.7 | 92.8 | 96 | 98.1 | 0 | 97.3 | 0 | 0 | 0 | 0 | 0 | 96.5 | 96.6 | 96.5 | 96.3 |
| Large 2 Axle Vehicles | 13 | 1 | 28 | 42 | 22 | 18 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 36 | 15 | 51 | 133 |
| % Large 2 Axle Vehicles | 4.7 | 50 | 8 | 6.7 | 2.7 | 1.5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3.1 |
| 3 Axle Vehicles | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 9 |
| % 3 Axle Vehicles | 0.4 | 0 | 0 | 0.2 | 0.1 | 0.2 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.4 | 0.2 | 0.2 |
| 4+ Axle Trucks | 1 | 0 | 1 | 2 | 10 | 2 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 18 |
| % 4+ Axle Trucks | 0.4 | 0 | 0.3 | 0.3 | 1.2 | 0.2 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.2 | 0.4 |

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **44** | 0 | **66** | **110** | 87 | 170 | 0 | 257 | 0 | 0 | 0 | 0 | 0 | 169 | 57 | 226 | 593 |
| 08:00 AM | 18 | 0 | 25 | 43 | 101 | **185** | 0 | 286 | 0 | 0 | 0 | 0 | 0 | 129 | **68** | 197 | 526 |
| 08:15 AM | 35 | 0 | 53 | 88 | 85 | 168 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 142 | 47 | 189 | 530 |
| 08:30 AM | 23 | 0 | 40 | 63 | **116** | 179 | 0 | **295** | 0 | 0 | 0 | 0 | 0 | **185** | 62 | **247** | **605** |
| Total Volume | 120 | 0 | 184 | 304 | 389 | 702 | 0 | 1091 | 0 | 0 | 0 | 0 | 0 | 625 | 234 | 859 | 2254 |
| % App. Total | 39.5 | 0 | 60.5 | | 35.7 | 64.3 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | | |
| PHF | .682 | .000 | .697 | .691 | .838 | .949 | .000 | .925 | .000 | .000 | .000 | .000 | .000 | .845 | .860 | .869 | .931 |

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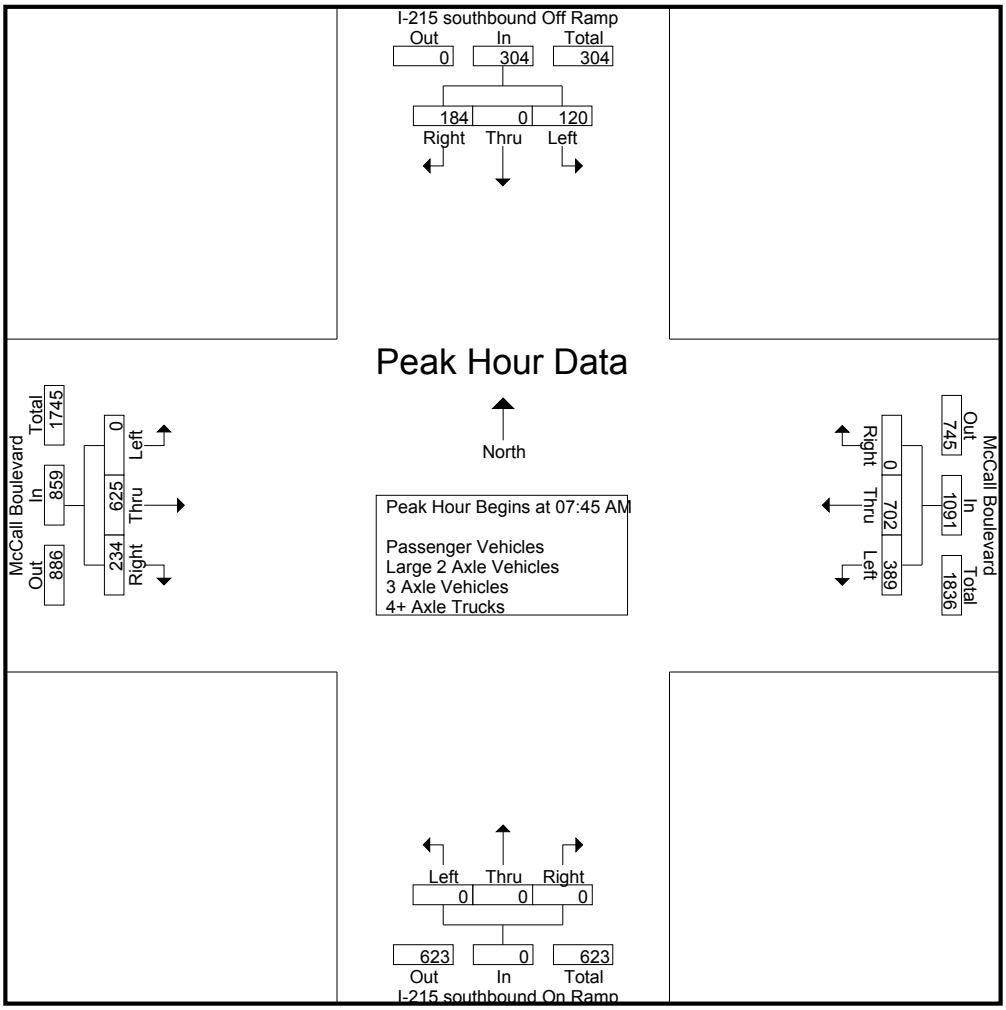
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:45 AM | | | | 07:00 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 49 | **2** | 41 | 92 | 87 | 170 | 0 | 257 | 0 | 0 | 0 | 0 | 0 | 169 | 57 | 226 |
| +15 mins. | **65** | 0 | 36 | 101 | 101 | **185** | 0 | 286 | 0 | 0 | 0 | 0 | 0 | 129 | **68** | 197 |
| +30 mins. | 24 | 0 | 29 | 53 | 85 | 168 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 142 | 47 | 189 |
| +45 mins. | 44 | 0 | **66** | **110** | **116** | 179 | 0 | **295** | 0 | 0 | 0 | 0 | 0 | **185** | 62 | **247** |
| Total Volume | 182 | 2 | 172 | 356 | 389 | 702 | 0 | 1091 | 0 | 0 | 0 | 0 | 0 | 625 | 234 | 859 |
| % App. Total | 51.1 | 0.6 | 48.3 | | 35.7 | 64.3 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | |
| PHF | .700 | .250 | .652 | .809 | .838 | .949 | .000 | .925 | .000 | .000 | .000 | .000 | .000 | .845 | .860 | .869 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 48 | 1 | 38 | 87 | 97 | 108 | 0 | 205 | 0 | 0 | 0 | 0 | 0 | 125 | 59 | 184 | 476 |
| 07:15 AM | 61 | 0 | 32 | 93 | 108 | 131 | 0 | 239 | 0 | 0 | 0 | 0 | 0 | 131 | 54 | 185 | 517 |
| 07:30 AM | 24 | 0 | 24 | 48 | 121 | 115 | 0 | 236 | 0 | 0 | 0 | 0 | 0 | 142 | 84 | 226 | 510 |
| 07:45 AM | 41 | 0 | 61 | 102 | 82 | 168 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 165 | 56 | 221 | 573 |
| Total | 174 | 1 | 155 | 330 | 408 | 522 | 0 | 930 | 0 | 0 | 0 | 0 | 0 | 563 | 253 | 816 | 2076 |
| 08:00 AM | 16 | 0 | 23 | 39 | 97 | 181 | 0 | 278 | 0 | 0 | 0 | 0 | 0 | 125 | 64 | 189 | 506 |
| 08:15 AM | 33 | 0 | 49 | 82 | 80 | 165 | 0 | 245 | 0 | 0 | 0 | 0 | 0 | 131 | 46 | 177 | 504 |
| 08:30 AM | 22 | 0 | 36 | 58 | 110 | 176 | 0 | 286 | 0 | 0 | 0 | 0 | 0 | 179 | 58 | 237 | 581 |
| 08:45 AM | 18 | 0 | 57 | 75 | 98 | 145 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 145 | 68 | 213 | 531 |
| Total | 89 | 0 | 165 | 254 | 385 | 667 | 0 | 1052 | 0 | 0 | 0 | 0 | 0 | 580 | 236 | 816 | 2122 |
| Grand Total | 263 | 1 | 320 | 584 | 793 | 1189 | 0 | 1982 | 0 | 0 | 0 | 0 | 0 | 1143 | 489 | 1632 | 4198 |
| Apprch % | 45 | 0.2 | 54.8 | | 40 | 60 | 0 | | 0 | 0 | 0 | | 0 | 70 | 30 | | |
| Total % | 6.3 | 0 | 7.6 | 13.9 | 18.9 | 28.3 | 0 | 47.2 | 0 | 0 | 0 | 0 | 0 | 27.2 | 11.6 | 38.9 | |

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **41** | 0 | **61** | **102** | 82 | 168 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 165 | 56 | 221 | 573 |
| 08:00 AM | 16 | 0 | 23 | 39 | 97 | **181** | 0 | 278 | 0 | 0 | 0 | 0 | 0 | 125 | **64** | 189 | 506 |
| 08:15 AM | 33 | 0 | 49 | 82 | 80 | 165 | 0 | 245 | 0 | 0 | 0 | 0 | 0 | 131 | 46 | 177 | 504 |
| 08:30 AM | 22 | 0 | 36 | 58 | **110** | 176 | 0 | **286** | 0 | 0 | 0 | 0 | 0 | **179** | 58 | **237** | **581** |
| Total Volume | 112 | 0 | 169 | 281 | 369 | 690 | 0 | 1059 | 0 | 0 | 0 | 0 | 0 | 600 | 224 | 824 | 2164 |
| % App. Total | 39.9 | 0 | 60.1 | | 34.8 | 65.2 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | | |
| PHF | .683 | .000 | .693 | .689 | .839 | .953 | .000 | .926 | .000 | .000 | .000 | .000 | .000 | .838 | .875 | .869 | .931 |

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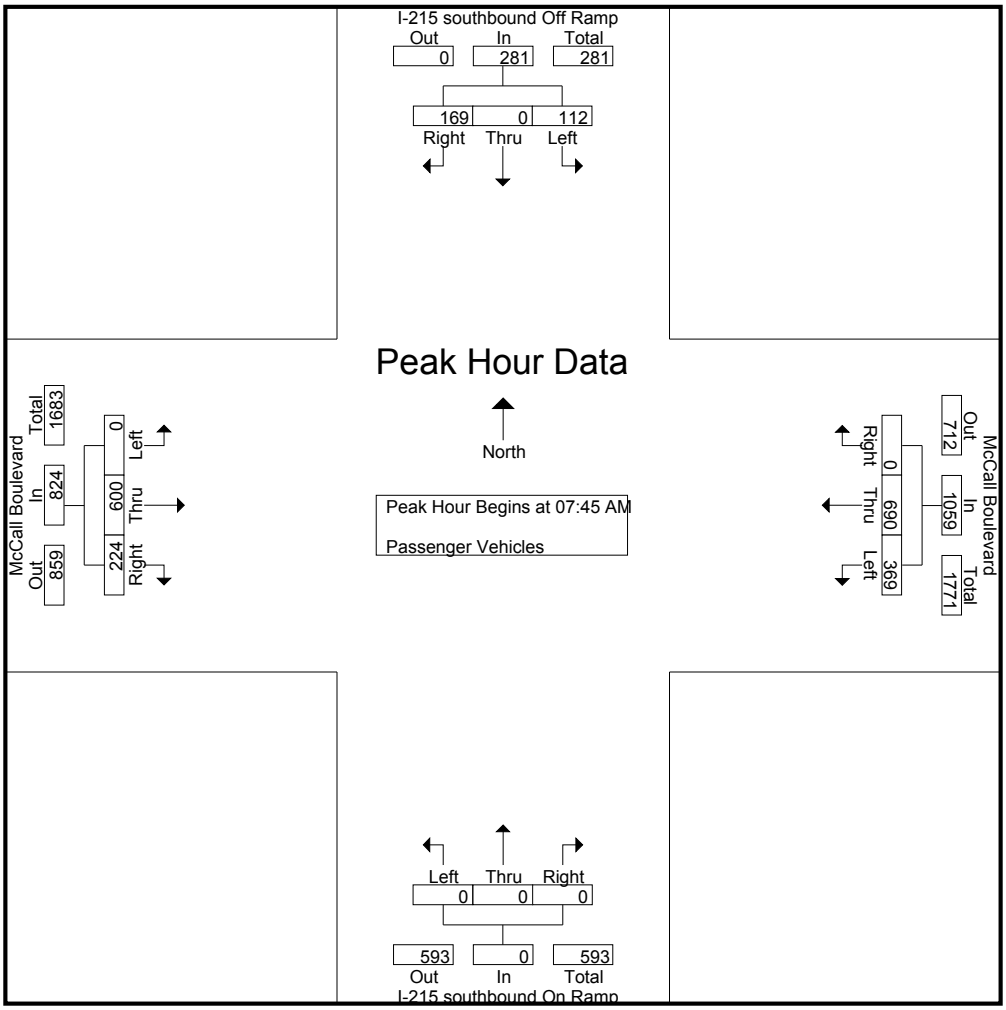
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **41** | 0 | **61** | **102** | 82 | 168 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 165 | 56 | 221 |
| +15 mins. | 16 | 0 | 23 | 39 | 97 | **181** | 0 | 278 | 0 | 0 | 0 | 0 | 0 | 125 | **64** | 189 |
| +30 mins. | 33 | 0 | 49 | 82 | 80 | 165 | 0 | 245 | 0 | 0 | 0 | 0 | 0 | 131 | 46 | 177 |
| +45 mins. | 22 | 0 | 36 | 58 | **110** | 176 | 0 | **286** | 0 | 0 | 0 | 0 | 0 | **179** | 58 | **237** |
| Total Volume | 112 | 0 | 169 | 281 | 369 | 690 | 0 | 1059 | 0 | 0 | 0 | 0 | 0 | 600 | 224 | 824 |
| % App. Total | 39.9 | 0 | 60.1 | | 34.8 | 65.2 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | |
| PHF | .683 | .000 | .693 | .689 | .839 | .953 | .000 | .926 | .000 | .000 | .000 | .000 | .000 | .838 | .875 | .869 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 1 | 3 | 5 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 13 |
| 07:15 AM | 3 | 0 | 4 | 7 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 15 |
| 07:30 AM | 0 | 0 | 5 | 5 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 12 |
| 07:45 AM | 3 | 0 | 5 | 8 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 19 |
| Total | 7 | 1 | 17 | 25 | 10 | 9 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 12 | 3 | 15 | 59 |
| 08:00 AM | 2 | 0 | 2 | 4 | 4 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 8 | 18 |
| 08:15 AM | 2 | 0 | 3 | 5 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 10 | 19 |
| 08:30 AM | 0 | 0 | 4 | 4 | 5 | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | 21 |
| 08:45 AM | 2 | 0 | 2 | 4 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 9 | 16 |
| Total | 6 | 0 | 11 | 17 | 12 | 9 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 24 | 12 | 36 | 74 |
| Grand Total | 13 | 1 | 28 | 42 | 22 | 18 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 36 | 15 | 51 | 133 |
| Apprch % | 31 | 2.4 | 66.7 | | 55 | 45 | 0 | | 0 | 0 | 0 | | 0 | 70.6 | 29.4 | | |
| Total % | 9.8 | 0.8 | 21.1 | 31.6 | 16.5 | 13.5 | 0 | 30.1 | 0 | 0 | 0 | 0 | 0 | 27.1 | 11.3 | 38.3 | |

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **3** | 0 | **5** | **8** | **5** | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 19 |
| 08:00 AM | 2 | 0 | 2 | 4 | 4 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | **4** | 8 | 18 |
| 08:15 AM | 2 | 0 | 3 | 5 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | **9** | 1 | **10** | 19 |
| 08:30 AM | 0 | 0 | 4 | 4 | 5 | **3** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | **21** |
| Total Volume | 7 | 0 | 14 | 21 | 16 | 9 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 21 | 10 | 31 | 77 |
| % App. Total | 33.3 | 0 | 66.7 | | 64 | 36 | 0 | | 0 | 0 | 0 | | 0 | 67.7 | 32.3 | | |
| PHF | .583 | .000 | .700 | .656 | .800 | .750 | .000 | .781 | .000 | .000 | .000 | .000 | .000 | .583 | .625 | .775 | .917 |

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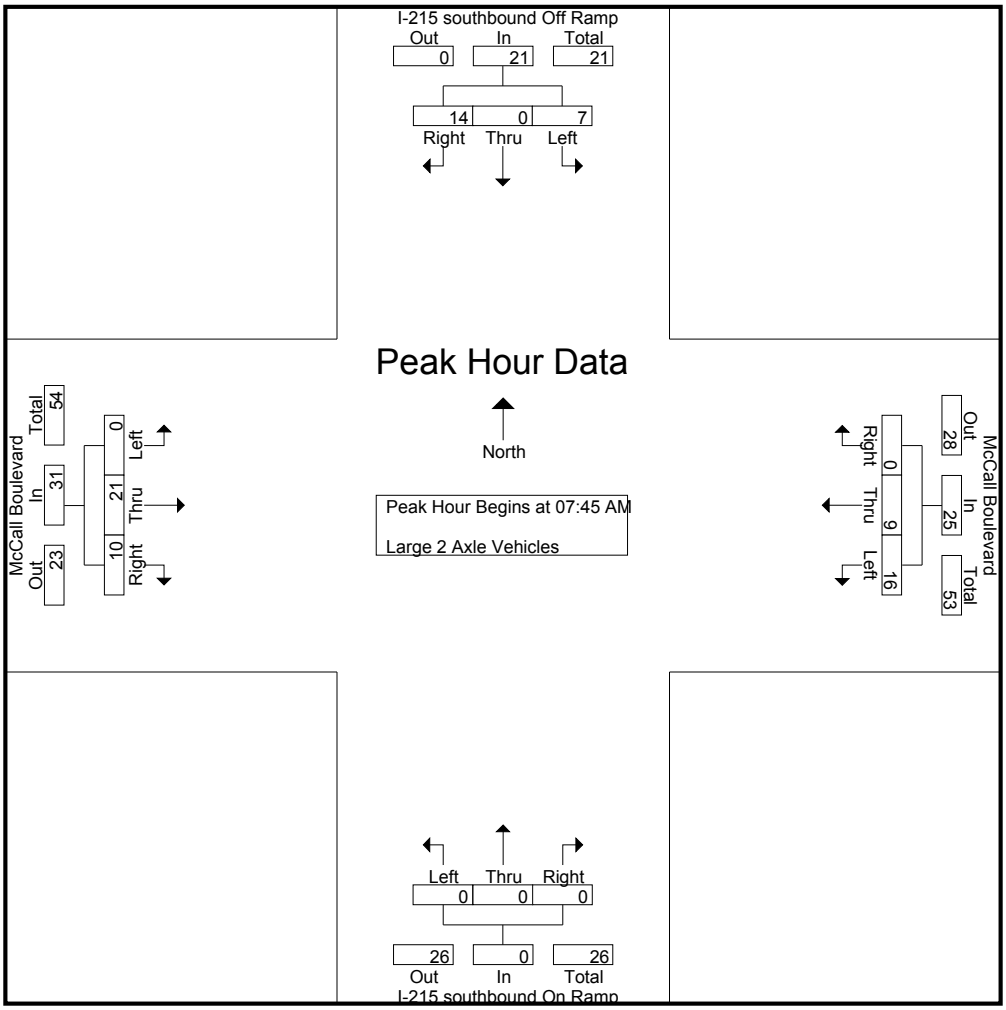
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **3** | 0 | **5** | **8** | **5** | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 |
| +15 mins. | 2 | 0 | 2 | 4 | 4 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | **4** | 8 |
| +30 mins. | 2 | 0 | 3 | 5 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | **9** | 1 | **10** |
| +45 mins. | 0 | 0 | 4 | 4 | 5 | **3** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 |
| Total Volume | 7 | 0 | 14 | 21 | 16 | 9 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 21 | 10 | 31 |
| % App. Total | 33.3 | 0 | 66.7 | | 64 | 36 | 0 | | 0 | 0 | 0 | | 0 | 67.7 | 32.3 | |
| PHF | .583 | .000 | .700 | .656 | .800 | .750 | .000 | .781 | .000 | .000 | .000 | .000 | .000 | .583 | .625 | .775 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 08:30 AM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| Total | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 7 |
| Grand Total | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 9 |
| Apprch % | 100 | 0 | 0 | | 25 | 75 | 0 | | 0 | 0 | 0 | | 0 | 50 | 50 | | |
| Total % | 11.1 | 0 | 0 | 11.1 | 11.1 | 33.3 | 0 | 44.4 | 0 | 0 | 0 | 0 | 0 | 22.2 | 22.2 | 44.4 | |

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **3** |
| 08:30 AM | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Total Volume | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 5 |
| % App. Total | 100 | 0 | 0 | | 50 | 50 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .250 | .000 | .000 | .250 | .250 | .250 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .417 |

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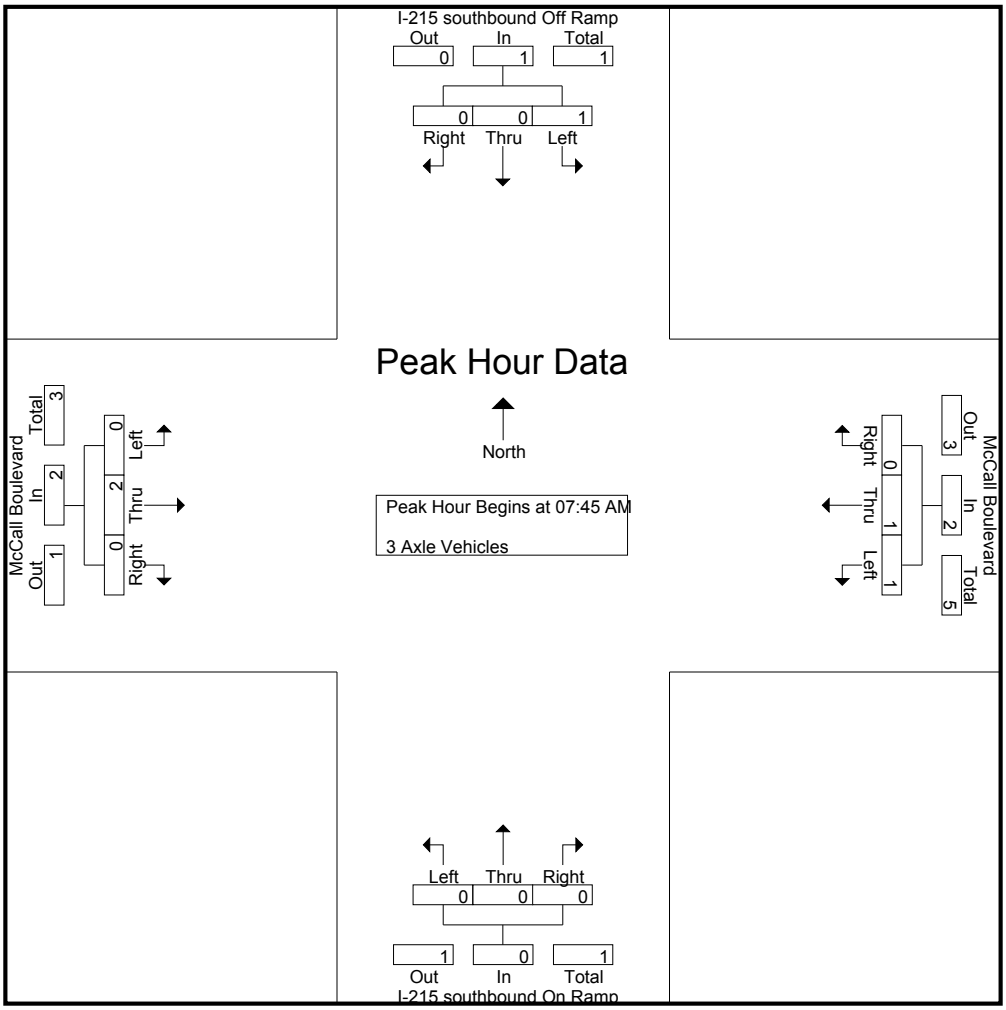
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Volume | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 100 | 0 | 0 | | 50 | 50 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .250 | .000 | .000 | .250 | .250 | .250 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 07:30 AM | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 1 | 0 | 0 | 1 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 9 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:15 AM | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 08:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 08:45 AM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 1 | 1 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 9 |
| Grand Total | 1 | 0 | 1 | 2 | 10 | 2 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 18 |
| Apprch % | 50 | 0 | 50 | | 83.3 | 16.7 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 5.6 | 0 | 5.6 | 11.1 | 55.6 | 11.1 | 0 | 66.7 | 0 | 0 | 0 | 0 | 0 | 22.2 | 0 | 22.2 | |

| | I-215 southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:15 AM | 0 | 0 | **1** | **1** | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | **4** |
| 08:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| % App. Total | 0 | 0 | 100 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .250 | .250 | .375 | .250 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .500 |

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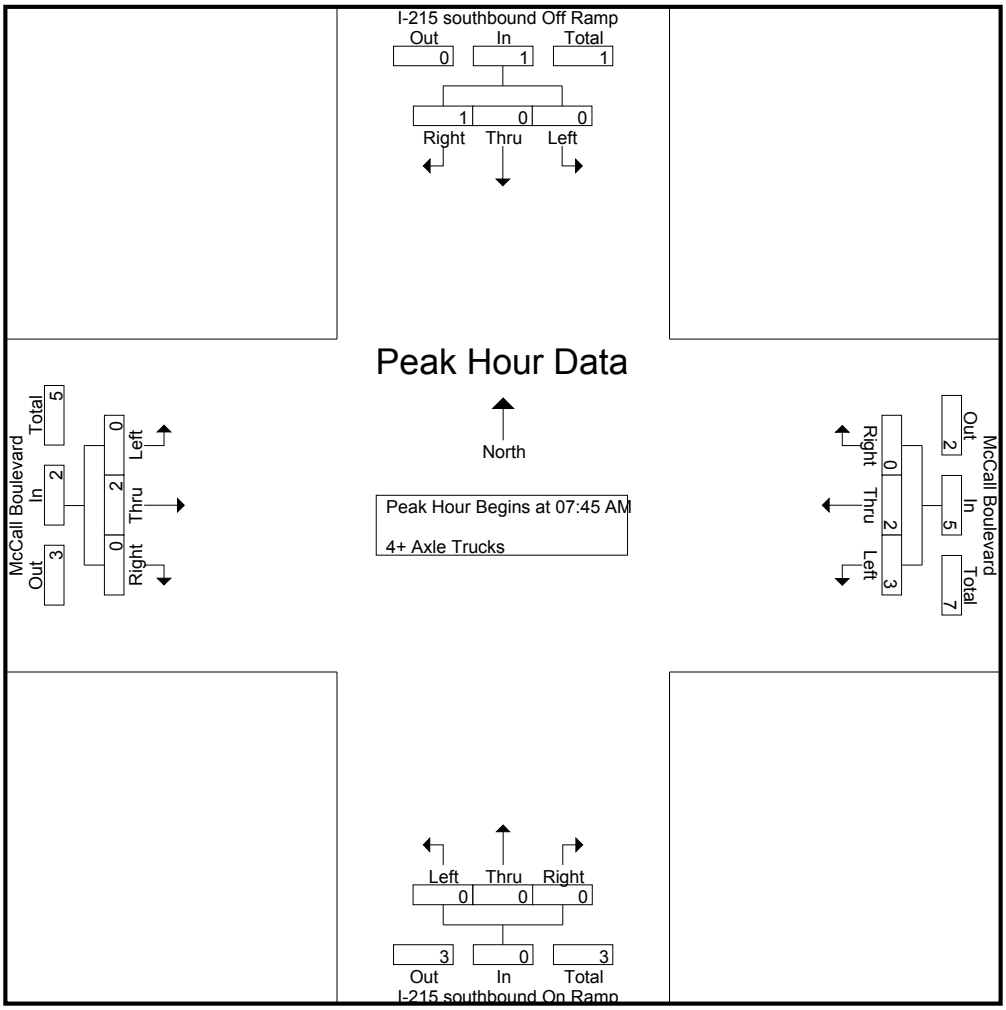
File Name : MEN215SMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | **1** | **1** | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 0 | 0 | 100 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .250 | .250 | .375 | .250 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 58 | 0 | 99 | 157 | 63 | 189 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 199 | 75 | 274 | 683 |
| 04:15 PM | 63 | 0 | 82 | 145 | 78 | 195 | 0 | 273 | 0 | 0 | 0 | 0 | 0 | 195 | 69 | 264 | 682 |
| 04:30 PM | 67 | 0 | 97 | 164 | 77 | 208 | 0 | 285 | 0 | 0 | 0 | 0 | 0 | 190 | 57 | 247 | 696 |
| 04:45 PM | 59 | 1 | 79 | 139 | 77 | 190 | 0 | 267 | 0 | 0 | 0 | 0 | 0 | 223 | 78 | 301 | 707 |
| Total | 247 | 1 | 357 | 605 | 295 | 782 | 0 | 1077 | 0 | 0 | 0 | 0 | 0 | 807 | 279 | 1086 | 2768 |
| 05:00 PM | 71 | 0 | 105 | 176 | 78 | 166 | 0 | 244 | 0 | 0 | 0 | 0 | 0 | 237 | 86 | 323 | 743 |
| 05:15 PM | 71 | 0 | 97 | 168 | 60 | 172 | 0 | 232 | 0 | 0 | 0 | 0 | 0 | 241 | 87 | 328 | 728 |
| 05:30 PM | 94 | 1 | 92 | 187 | 70 | 184 | 0 | 254 | 0 | 0 | 0 | 0 | 0 | 208 | 83 | 291 | 732 |
| 05:45 PM | 85 | 1 | 89 | 175 | 55 | 173 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 179 | 56 | 235 | 638 |
| Total | 321 | 2 | 383 | 706 | 263 | 695 | 0 | 958 | 0 | 0 | 0 | 0 | 0 | 865 | 312 | 1177 | 2841 |
| Grand Total | 568 | 3 | 740 | 1311 | 558 | 1477 | 0 | 2035 | 0 | 0 | 0 | 0 | 0 | 1672 | 591 | 2263 | 5609 |
| Apprch % | 43.3 | 0.2 | 56.4 | | 27.4 | 72.6 | 0 | | 0 | 0 | 0 | | 0 | 73.9 | 26.1 | | |
| Total % | 10.1 | 0.1 | 13.2 | 23.4 | 9.9 | 26.3 | 0 | 36.3 | 0 | 0 | 0 | 0 | 0 | 29.8 | 10.5 | 40.3 | |
| Passenger Vehicles | 555 | 3 | 732 | 1290 | 544 | 1458 | 0 | 2002 | 0 | 0 | 0 | 0 | 0 | 1642 | 589 | 2231 | 5523 |
| % Passenger Vehicles | 97.7 | 100 | 98.9 | 98.4 | 97.5 | 98.7 | 0 | 98.4 | 0 | 0 | 0 | 0 | 0 | 98.2 | 99.7 | 98.6 | 98.5 |
| Large 2 Axle Vehicles | 10 | 0 | 7 | 17 | 4 | 17 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 25 | 2 | 27 | 65 |
| % Large 2 Axle Vehicles | 1.8 | 0 | 0.9 | 1.3 | 0.7 | 1.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0.3 | 1.2 | 1.2 |
| 3 Axle Vehicles | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| % 3 Axle Vehicles | 0.2 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 |
| 4+ Axle Trucks | 2 | 0 | 1 | 3 | 10 | 2 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 19 |
| % 4+ Axle Trucks | 0.4 | 0 | 0.1 | 0.2 | 1.8 | 0.1 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.2 | 0.3 |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 59 | **1** | 79 | 139 | 77 | **190** | 0 | **267** | 0 | 0 | 0 | 0 | 0 | 223 | 78 | 301 | 707 |
| 05:00 PM | 71 | 0 | **105** | 176 | **78** | 166 | 0 | 244 | 0 | 0 | 0 | 0 | 0 | 237 | 86 | 323 | **743** |
| 05:15 PM | 71 | 0 | 97 | 168 | 60 | 172 | 0 | 232 | 0 | 0 | 0 | 0 | 0 | **241** | **87** | **328** | 728 |
| 05:30 PM | **94** | 1 | 92 | **187** | 70 | 184 | 0 | 254 | 0 | 0 | 0 | 0 | 0 | 208 | 83 | 291 | 732 |
| Total Volume | 295 | 2 | 373 | 670 | 285 | 712 | 0 | 997 | 0 | 0 | 0 | 0 | 0 | 909 | 334 | 1243 | 2910 |
| % App. Total | 44 | 0.3 | 55.7 | | 28.6 | 71.4 | 0 | | 0 | 0 | 0 | | 0 | 73.1 | 26.9 | | |
| PHF | .785 | .500 | .888 | .896 | .913 | .937 | .000 | .934 | .000 | .000 | .000 | .000 | .000 | .943 | .960 | .947 | .979 |

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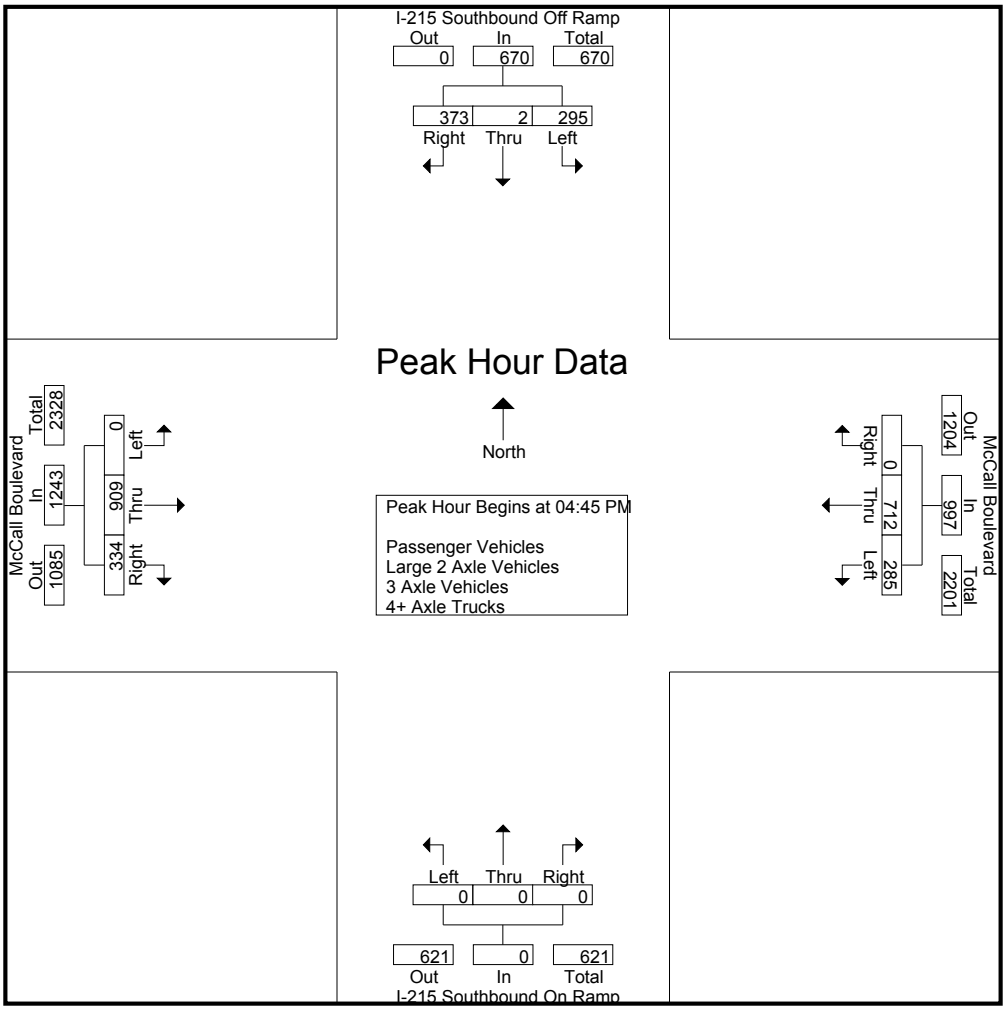
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 71 | 0 | **105** | 176 | 63 | 189 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 223 | 78 | 301 |
| +15 mins. | 71 | 0 | 97 | 168 | **78** | 195 | 0 | 273 | 0 | 0 | 0 | 0 | 0 | 237 | 86 | 323 |
| +30 mins. | **94** | **1** | 92 | **187** | 77 | **208** | 0 | **285** | 0 | 0 | 0 | 0 | 0 | **241** | **87** | **328** |
| +45 mins. | 85 | 1 | 89 | 175 | 77 | 190 | 0 | 267 | 0 | 0 | 0 | 0 | 0 | 208 | 83 | 291 |
| Total Volume | 321 | 2 | 383 | 706 | 295 | 782 | 0 | 1077 | 0 | 0 | 0 | 0 | 0 | 909 | 334 | 1243 |
| % App. Total | 45.5 | 0.3 | 54.2 | | 27.4 | 72.6 | 0 | | 0 | 0 | 0 | | 0 | 73.1 | 26.9 | |
| PHF | .854 | .500 | .912 | .944 | .946 | .940 | .000 | .945 | .000 | .000 | .000 | .000 | .000 | .943 | .960 | .947 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 56 | 0 | 99 | 155 | 63 | 185 | 0 | 248 | 0 | 0 | 0 | 0 | 0 | 197 | 75 | 272 | 675 |
| 04:15 PM | 61 | 0 | 82 | 143 | 74 | 191 | 0 | 265 | 0 | 0 | 0 | 0 | 0 | 188 | 69 | 257 | 665 |
| 04:30 PM | 66 | 0 | 97 | 163 | 72 | 205 | 0 | 277 | 0 | 0 | 0 | 0 | 0 | 187 | 57 | 244 | 684 |
| 04:45 PM | 58 | 1 | 79 | 138 | 77 | 189 | 0 | 266 | 0 | 0 | 0 | 0 | 0 | 218 | 78 | 296 | 700 |
| Total | 241 | 1 | 357 | 599 | 286 | 770 | 0 | 1056 | 0 | 0 | 0 | 0 | 0 | 790 | 279 | 1069 | 2724 |
| 05:00 PM | 70 | 0 | 104 | 174 | 78 | 162 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | 235 | 86 | 321 | 735 |
| 05:15 PM | 69 | 0 | 93 | 162 | 58 | 170 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 235 | 86 | 321 | 711 |
| 05:30 PM | 90 | 1 | 90 | 181 | 69 | 184 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 205 | 83 | 288 | 722 |
| 05:45 PM | 85 | 1 | 88 | 174 | 53 | 172 | 0 | 225 | 0 | 0 | 0 | 0 | 0 | 177 | 55 | 232 | 631 |
| Total | 314 | 2 | 375 | 691 | 258 | 688 | 0 | 946 | 0 | 0 | 0 | 0 | 0 | 852 | 310 | 1162 | 2799 |
| Grand Total | 555 | 3 | 732 | 1290 | 544 | 1458 | 0 | 2002 | 0 | 0 | 0 | 0 | 0 | 1642 | 589 | 2231 | 5523 |
| Apprch % | 43 | 0.2 | 56.7 | | 27.2 | 72.8 | 0 | | 0 | 0 | 0 | | 0 | 73.6 | 26.4 | | |
| Total % | 10 | 0.1 | 13.3 | 23.4 | 9.8 | 26.4 | 0 | 36.2 | 0 | 0 | 0 | 0 | 0 | 29.7 | 10.7 | 40.4 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 58 | **1** | 79 | 138 | 77 | **189** | 0 | **266** | 0 | 0 | 0 | 0 | 0 | 218 | 78 | 296 | 700 |
| 05:00 PM | 70 | 0 | **104** | 174 | **78** | 162 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | **235** | **86** | **321** | **735** |
| 05:15 PM | 69 | 0 | 93 | 162 | 58 | 170 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 235 | 86 | 321 | 711 |
| 05:30 PM | **90** | 1 | 90 | **181** | 69 | 184 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 205 | 83 | 288 | 722 |
| Total Volume | 287 | 2 | 366 | 655 | 282 | 705 | 0 | 987 | 0 | 0 | 0 | 0 | 0 | 893 | 333 | 1226 | 2868 |
| % App. Total | 43.8 | 0.3 | 55.9 | | 28.6 | 71.4 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | | |
| PHF | .797 | .500 | .880 | .905 | .904 | .933 | .000 | .928 | .000 | .000 | .000 | .000 | .000 | .950 | .968 | .955 | .976 |

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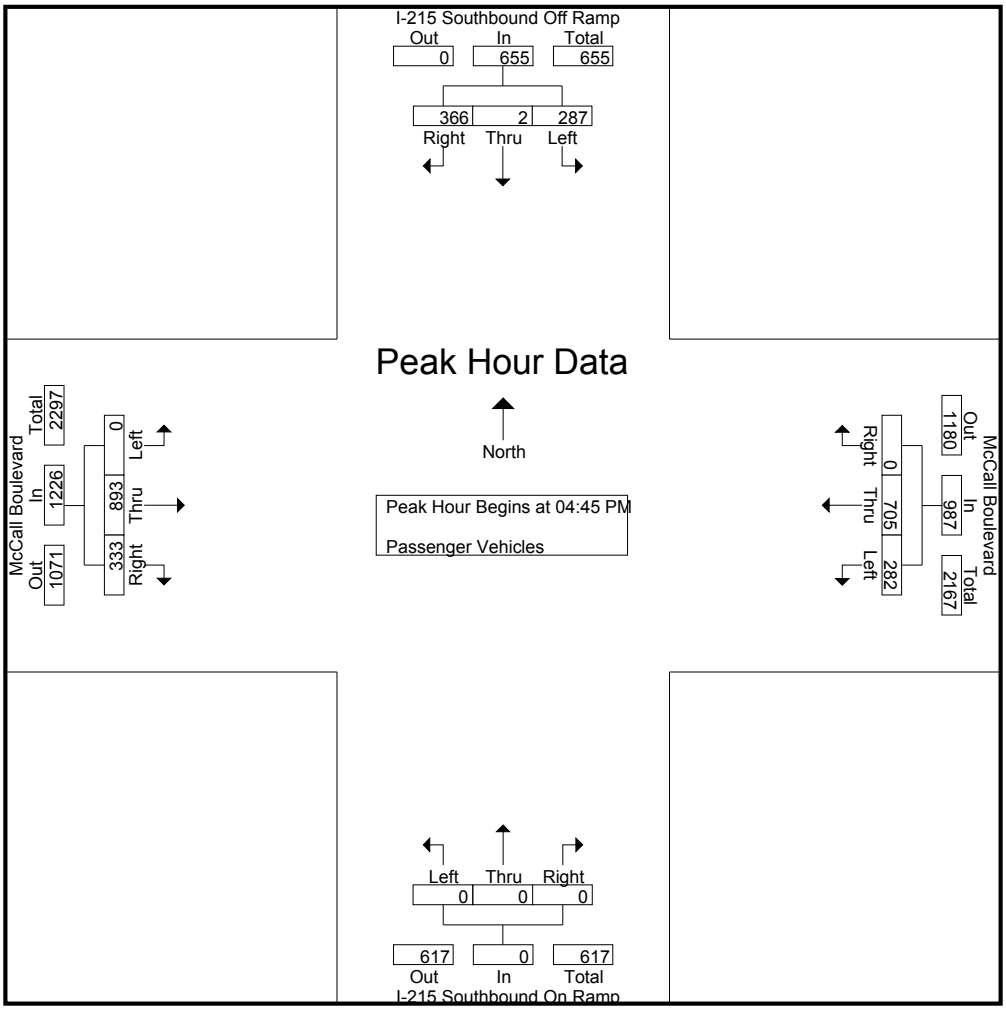
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 58 | **1** | 79 | 138 | 77 | **189** | 0 | **266** | 0 | 0 | 0 | 0 | 0 | 218 | 78 | 296 |
| +15 mins. | 70 | 0 | **104** | 174 | **78** | 162 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | **235** | **86** | **321** |
| +30 mins. | 69 | 0 | 93 | 162 | 58 | 170 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 235 | 86 | 321 |
| +45 mins. | **90** | 1 | 90 | **181** | 69 | 184 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 205 | 83 | 288 |
| Total Volume | 287 | 2 | 366 | 655 | 282 | 705 | 0 | 987 | 0 | 0 | 0 | 0 | 0 | 893 | 333 | 1226 |
| % App. Total | 43.8 | 0.3 | 55.9 | | 28.6 | 71.4 | 0 | | 0 | 0 | 0 | | 0 | 72.8 | 27.2 | |
| PHF | .797 | .500 | .880 | .905 | .904 | .933 | .000 | .928 | .000 | .000 | .000 | .000 | .000 | .950 | .968 | .955 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 2 | 0 | 0 | 2 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 04:15 PM | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 12 |
| 04:30 PM | 1 | 0 | 0 | 1 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 04:45 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 6 |
| Total | 4 | 0 | 0 | 4 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 14 | 34 |
| 05:00 PM | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| 05:15 PM | 2 | 0 | 3 | 5 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 12 |
| 05:30 PM | 3 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 8 |
| 05:45 PM | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 5 |
| Total | 6 | 0 | 7 | 13 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 13 | 31 |
| Grand Total | 10 | 0 | 7 | 17 | 4 | 17 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 25 | 2 | 27 | 65 |
| Apprch % | 58.8 | 0 | 41.2 | | 19 | 81 | 0 | | 0 | 0 | 0 | | 0 | 92.6 | 7.4 | | |
| Total % | 15.4 | 0 | 10.8 | 26.2 | 6.2 | 26.2 | 0 | 32.3 | 0 | 0 | 0 | 0 | 0 | 38.5 | 3.1 | 41.5 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **4** | 0 | 4 | 6 |
| 05:00 PM | 1 | 0 | 1 | 2 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| 05:15 PM | 2 | 0 | **3** | **5** | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | **1** | **5** | **12** |
| 05:30 PM | **3** | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 8 |
| Total Volume | 7 | 0 | 6 | 13 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 14 | 32 |
| % App. Total | 53.8 | 0 | 46.2 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 92.9 | 7.1 | | |
| PHF | .583 | .000 | .500 | .650 | .000 | .625 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .813 | .250 | .700 | .667 |

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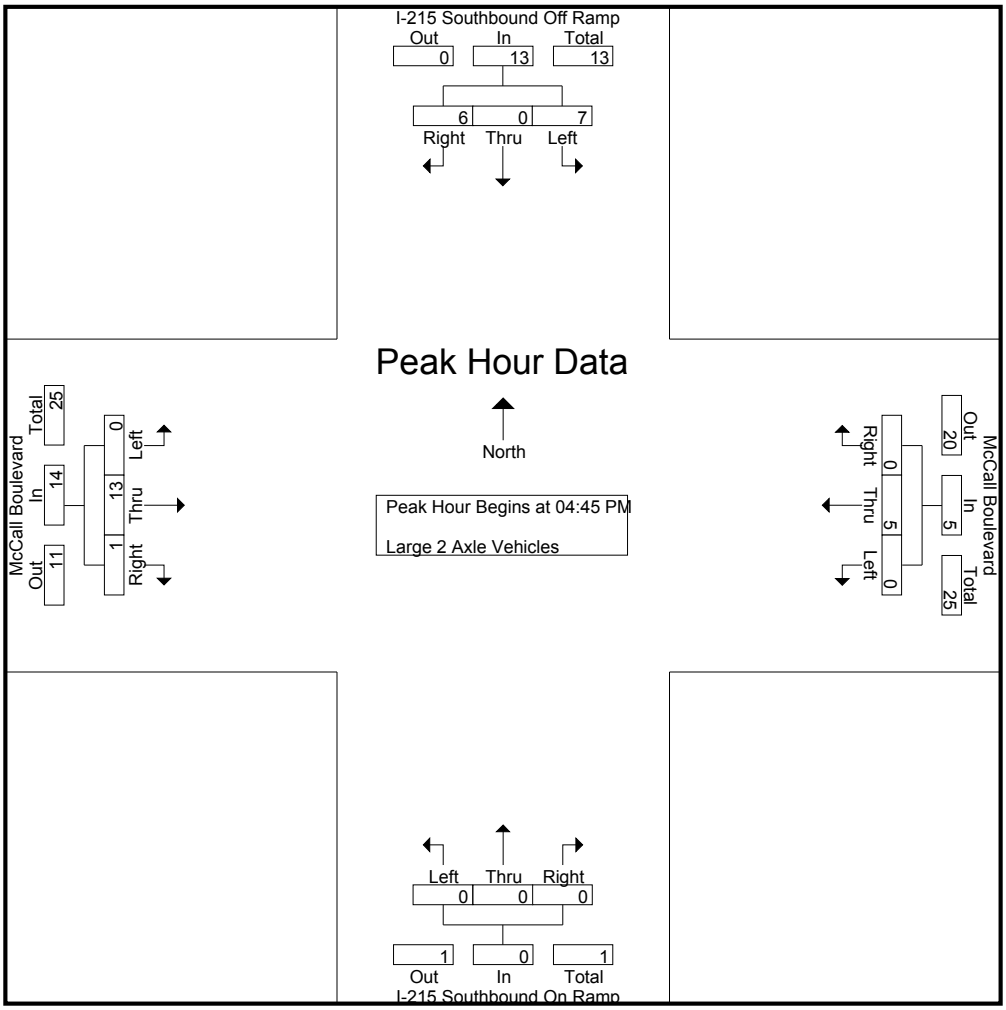
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **4** | 0 | 4 |
| +15 mins. | 1 | 0 | 1 | 2 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| +30 mins. | 2 | 0 | **3** | **5** | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | **1** | **5** |
| +45 mins. | **3** | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Total Volume | 7 | 0 | 6 | 13 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 14 |
| % App. Total | 53.8 | 0 | 46.2 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 92.9 | 7.1 | |
| PHF | .583 | .000 | .500 | .650 | .000 | .625 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .813 | .250 | .700 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:15 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Grand Total | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Apprch % | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 50 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .250 |

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City of Menifee
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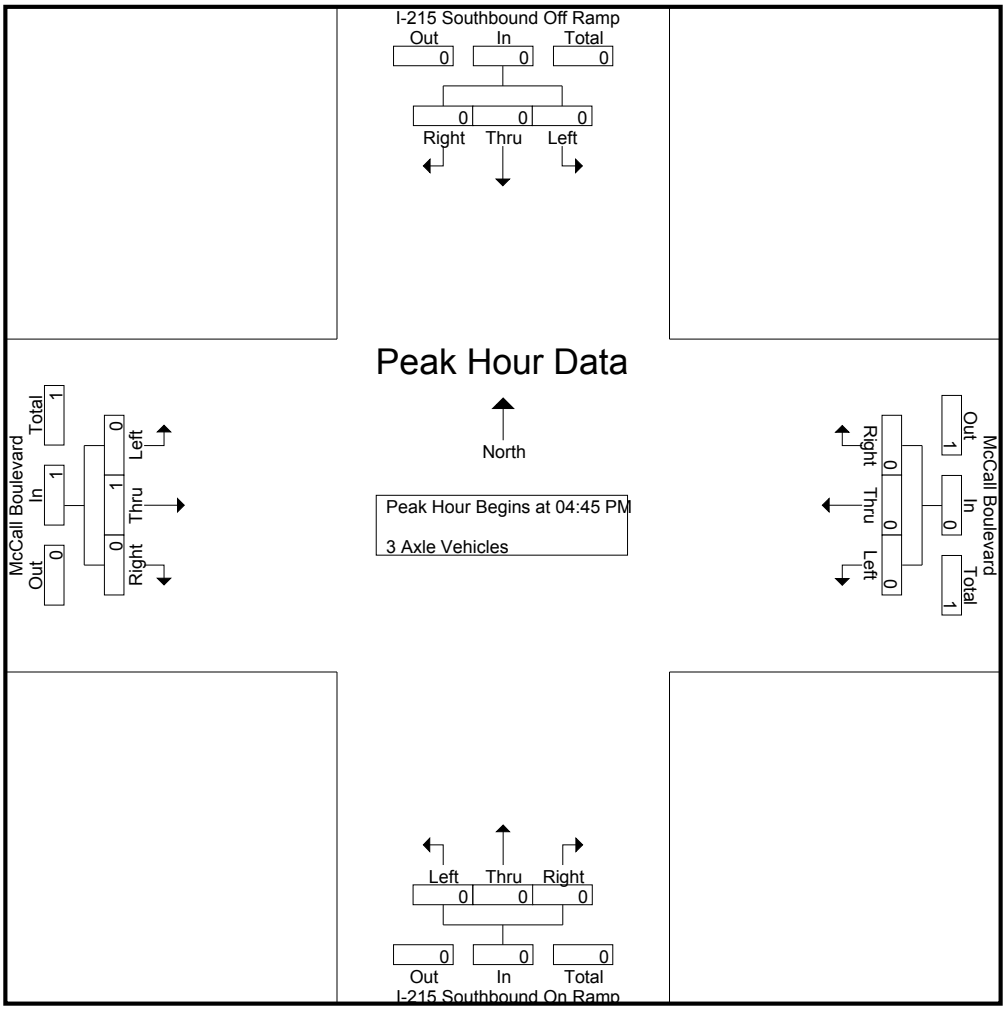
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:15 PM | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 04:30 PM | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 1 | 0 | 0 | 1 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 9 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:15 PM | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 05:30 PM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:45 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 1 | 0 | 1 | 2 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 10 |
| Grand Total | 2 | 0 | 1 | 3 | 10 | 2 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 19 |
| Apprch % | 66.7 | 0 | 33.3 | | 83.3 | 16.7 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 10.5 | 0 | 5.3 | 15.8 | 52.6 | 10.5 | 0 | 63.2 | 0 | 0 | 0 | 0 | 0 | 21.1 | 0 | 21.1 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:15 PM | 0 | 0 | **1** | **1** | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | **4** |
| 05:30 PM | **1** | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total Volume | 1 | 0 | 1 | 2 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 9 |
| % App. Total | 50 | 0 | 50 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .250 | .000 | .250 | .500 | .375 | .250 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .563 |

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City of Menifee
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E/W: McCall Boulevard
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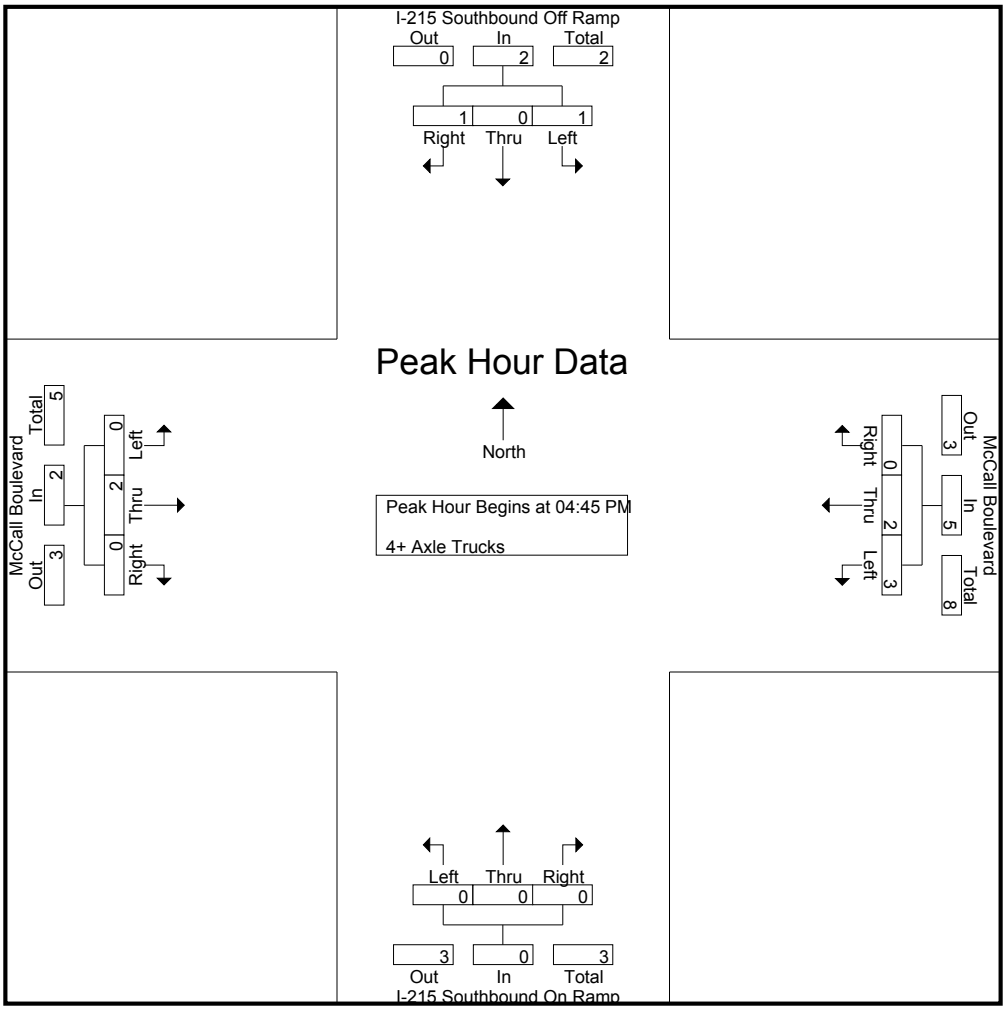
File Name : MEN215SMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | **1** | **1** | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | **1** | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 1 | 0 | 1 | 2 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 50 | 0 | 50 | | 60 | 40 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .250 | .000 | .250 | .500 | .375 | .250 | .000 | .625 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 61 | 0 | 81 | 142 | 76 | 173 | 0 | 249 | 0 | 0 | 0 | 0 | 0 | 173 | 93 | 266 | 657 |
| 12:15 PM | 35 | 0 | 83 | 118 | 85 | 200 | 0 | 285 | 0 | 0 | 0 | 0 | 0 | 206 | 101 | 307 | 710 |
| 12:30 PM | 43 | 0 | 79 | 122 | 83 | 197 | 0 | 280 | 0 | 0 | 0 | 0 | 0 | 193 | 102 | 295 | 697 |
| 12:45 PM | 39 | 0 | 79 | 118 | 86 | 206 | 0 | 292 | 0 | 0 | 0 | 0 | 0 | 176 | 83 | 259 | 669 |
| Total | 178 | 0 | 322 | 500 | 330 | 776 | 0 | 1106 | 0 | 0 | 0 | 0 | 0 | 748 | 379 | 1127 | 2733 |
| 01:00 PM | 54 | 2 | 86 | 142 | 73 | 154 | 0 | 227 | 0 | 0 | 0 | 0 | 0 | 201 | 84 | 285 | 654 |
| 01:15 PM | 45 | 0 | 76 | 121 | 67 | 184 | 0 | 251 | 0 | 0 | 0 | 0 | 0 | 187 | 67 | 254 | 626 |
| 01:30 PM | 44 | 0 | 80 | 124 | 71 | 176 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 193 | 90 | 283 | 654 |
| 01:45 PM | 49 | 1 | 75 | 125 | 75 | 170 | 0 | 245 | 0 | 0 | 0 | 0 | 0 | 180 | 91 | 271 | 641 |
| Total | 192 | 3 | 317 | 512 | 286 | 684 | 0 | 970 | 0 | 0 | 0 | 0 | 0 | 761 | 332 | 1093 | 2575 |
| Grand Total | 370 | 3 | 639 | 1012 | 616 | 1460 | 0 | 2076 | 0 | 0 | 0 | 0 | 0 | 1509 | 711 | 2220 | 5308 |
| Apprch % | 36.6 | 0.3 | 63.1 | | 29.7 | 70.3 | 0 | | 0 | 0 | 0 | | 0 | 68 | 32 | | |
| Total % | 7 | 0.1 | 12 | 19.1 | 11.6 | 27.5 | 0 | 39.1 | 0 | 0 | 0 | 0 | 0 | 28.4 | 13.4 | 41.8 | |
| Passenger Vehicles | 365 | 3 | 626 | 994 | 609 | 1450 | 0 | 2059 | 0 | 0 | 0 | 0 | 0 | 1481 | 708 | 2189 | 5242 |
| % Passenger Vehicles | 98.6 | 100 | 98 | 98.2 | 98.9 | 99.3 | 0 | 99.2 | 0 | 0 | 0 | 0 | 0 | 98.1 | 99.6 | 98.6 | 98.8 |
| Large 2 Axle Vehicles | 5 | 0 | 9 | 14 | 7 | 10 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 23 | 3 | 26 | 57 |
| % Large 2 Axle Vehicles | 1.4 | 0 | 1.4 | 1.4 | 1.1 | 0.7 | 0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0.4 | 1.2 | 1.1 |
| 3 Axle Vehicles | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 7 |
| % 3 Axle Vehicles | 0 | 0 | 0.5 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.2 | 0.1 |
| 4+ Axle Trucks | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| % 4+ Axle Trucks | 0 | 0 | 0.2 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | **61** | 0 | 81 | **142** | 76 | 173 | 0 | 249 | 0 | 0 | 0 | 0 | 0 | 173 | 93 | 266 | 657 |
| 12:15 PM | 35 | 0 | **83** | 118 | 85 | 200 | 0 | 285 | 0 | 0 | 0 | 0 | 0 | **206** | 101 | **307** | **710** |
| 12:30 PM | 43 | 0 | 79 | 122 | 83 | 197 | 0 | 280 | 0 | 0 | 0 | 0 | 0 | 193 | **102** | 295 | 697 |
| 12:45 PM | 39 | 0 | 79 | 118 | **86** | **206** | 0 | **292** | 0 | 0 | 0 | 0 | 0 | 176 | 83 | 259 | 669 |
| Total Volume | 178 | 0 | 322 | 500 | 330 | 776 | 0 | 1106 | 0 | 0 | 0 | 0 | 0 | 748 | 379 | 1127 | 2733 |
| % App. Total | 35.6 | 0 | 64.4 | | 29.8 | 70.2 | 0 | | 0 | 0 | 0 | | 0 | 66.4 | 33.6 | | |
| PHF | .730 | .000 | .970 | .880 | .959 | .942 | .000 | .947 | .000 | .000 | .000 | .000 | .000 | .908 | .929 | .918 | .962 |

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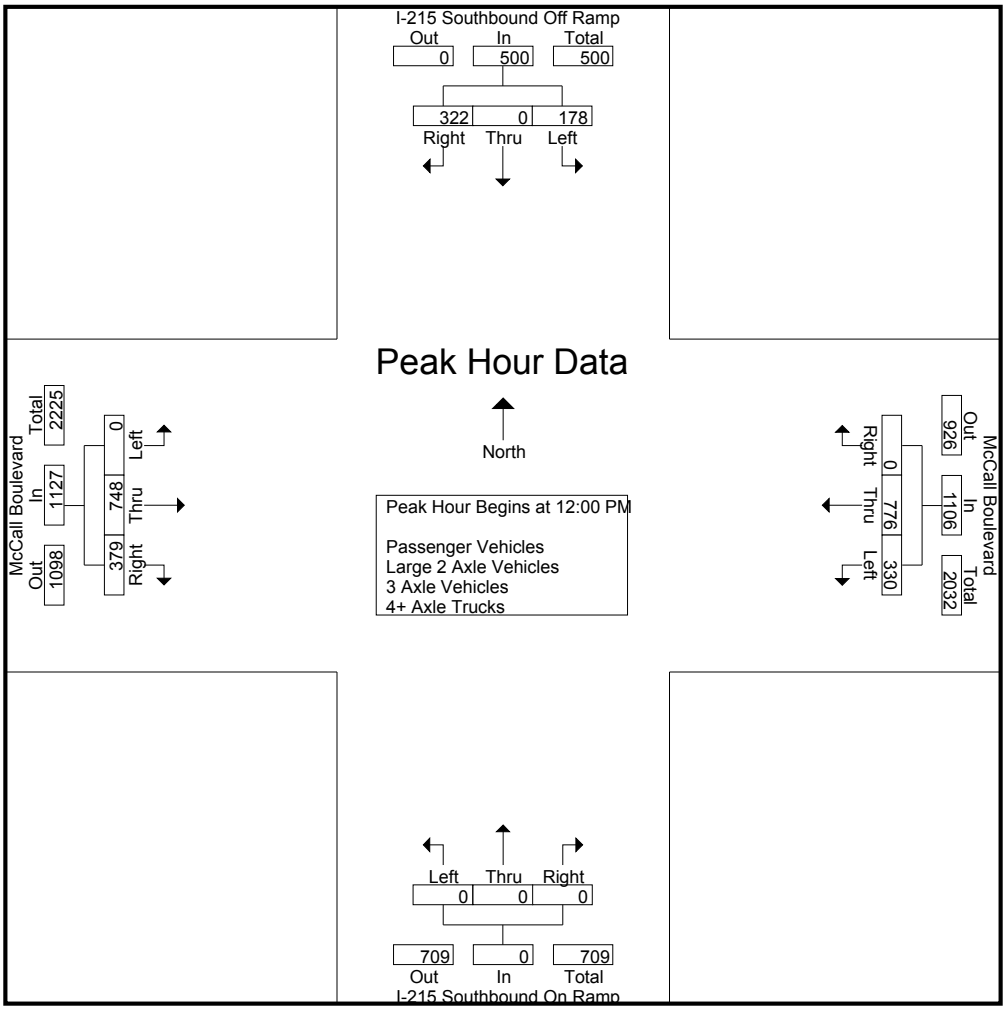
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 01:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **54** | **2** | **86** | **142** | 76 | 173 | 0 | 249 | 0 | 0 | 0 | 0 | 0 | **206** | 101 | **307** |
| +15 mins. | 45 | 0 | 76 | 121 | 85 | 200 | 0 | 285 | 0 | 0 | 0 | 0 | 0 | 193 | **102** | 295 |
| +30 mins. | 44 | 0 | 80 | 124 | 83 | 197 | 0 | 280 | 0 | 0 | 0 | 0 | 0 | 176 | 83 | 259 |
| +45 mins. | 49 | 1 | 75 | 125 | **86** | **206** | 0 | **292** | 0 | 0 | 0 | 0 | 0 | 201 | 84 | 285 |
| Total Volume | 192 | 3 | 317 | 512 | 330 | 776 | 0 | 1106 | 0 | 0 | 0 | 0 | 0 | 776 | 370 | 1146 |
| % App. Total | 37.5 | 0.6 | 61.9 | | 29.8 | 70.2 | 0 | | 0 | 0 | 0 | | 0 | 67.7 | 32.3 | |
| PHF | .889 | .375 | .922 | .901 | .959 | .942 | .000 | .947 | .000 | .000 | .000 | .000 | .000 | .942 | .907 | .933 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 59 | 0 | 79 | 138 | 75 | 172 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 170 | 92 | 262 | 647 |
| 12:15 PM | 35 | 0 | 80 | 115 | 84 | 199 | 0 | 283 | 0 | 0 | 0 | 0 | 0 | 202 | 101 | 303 | 701 |
| 12:30 PM | 41 | 0 | 78 | 119 | 82 | 195 | 0 | 277 | 0 | 0 | 0 | 0 | 0 | 190 | 102 | 292 | 688 |
| 12:45 PM | 38 | 0 | 77 | 115 | 84 | 203 | 0 | 287 | 0 | 0 | 0 | 0 | 0 | 174 | 83 | 257 | 659 |
| Total | 173 | 0 | 314 | 487 | 325 | 769 | 0 | 1094 | 0 | 0 | 0 | 0 | 0 | 736 | 378 | 1114 | 2695 |
| 01:00 PM | 54 | 2 | 85 | 141 | 72 | 154 | 0 | 226 | 0 | 0 | 0 | 0 | 0 | 197 | 83 | 280 | 647 |
| 01:15 PM | 45 | 0 | 75 | 120 | 67 | 183 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 182 | 67 | 249 | 619 |
| 01:30 PM | 44 | 0 | 77 | 121 | 71 | 175 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 189 | 89 | 278 | 645 |
| 01:45 PM | 49 | 1 | 75 | 125 | 74 | 169 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 177 | 91 | 268 | 636 |
| Total | 192 | 3 | 312 | 507 | 284 | 681 | 0 | 965 | 0 | 0 | 0 | 0 | 0 | 745 | 330 | 1075 | 2547 |
| Grand Total | 365 | 3 | 626 | 994 | 609 | 1450 | 0 | 2059 | 0 | 0 | 0 | 0 | 0 | 1481 | 708 | 2189 | 5242 |
| Apprch % | 36.7 | 0.3 | 63 | | 29.6 | 70.4 | 0 | | 0 | 0 | 0 | | 0 | 67.7 | 32.3 | | |
| Total % | 7 | 0.1 | 11.9 | 19 | 11.6 | 27.7 | 0 | 39.3 | 0 | 0 | 0 | 0 | 0 | 28.3 | 13.5 | 41.8 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | **59** | 0 | 79 | **138** | 75 | 172 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 170 | 92 | 262 | 647 |
| 12:15 PM | 35 | 0 | **80** | 115 | **84** | 199 | 0 | 283 | 0 | 0 | 0 | 0 | 0 | **202** | 101 | **303** | **701** |
| 12:30 PM | 41 | 0 | 78 | 119 | 82 | 195 | 0 | 277 | 0 | 0 | 0 | 0 | 0 | 190 | **102** | 292 | 688 |
| 12:45 PM | 38 | 0 | 77 | 115 | 84 | **203** | 0 | **287** | 0 | 0 | 0 | 0 | 0 | 174 | 83 | 257 | 659 |
| Total Volume | 173 | 0 | 314 | 487 | 325 | 769 | 0 | 1094 | 0 | 0 | 0 | 0 | 0 | 736 | 378 | 1114 | 2695 |
| % App. Total | 35.5 | 0 | 64.5 | | 29.7 | 70.3 | 0 | | 0 | 0 | 0 | | 0 | 66.1 | 33.9 | | |
| PHF | .733 | .000 | .981 | .882 | .967 | .947 | .000 | .953 | .000 | .000 | .000 | .000 | .000 | .911 | .926 | .919 | .961 |

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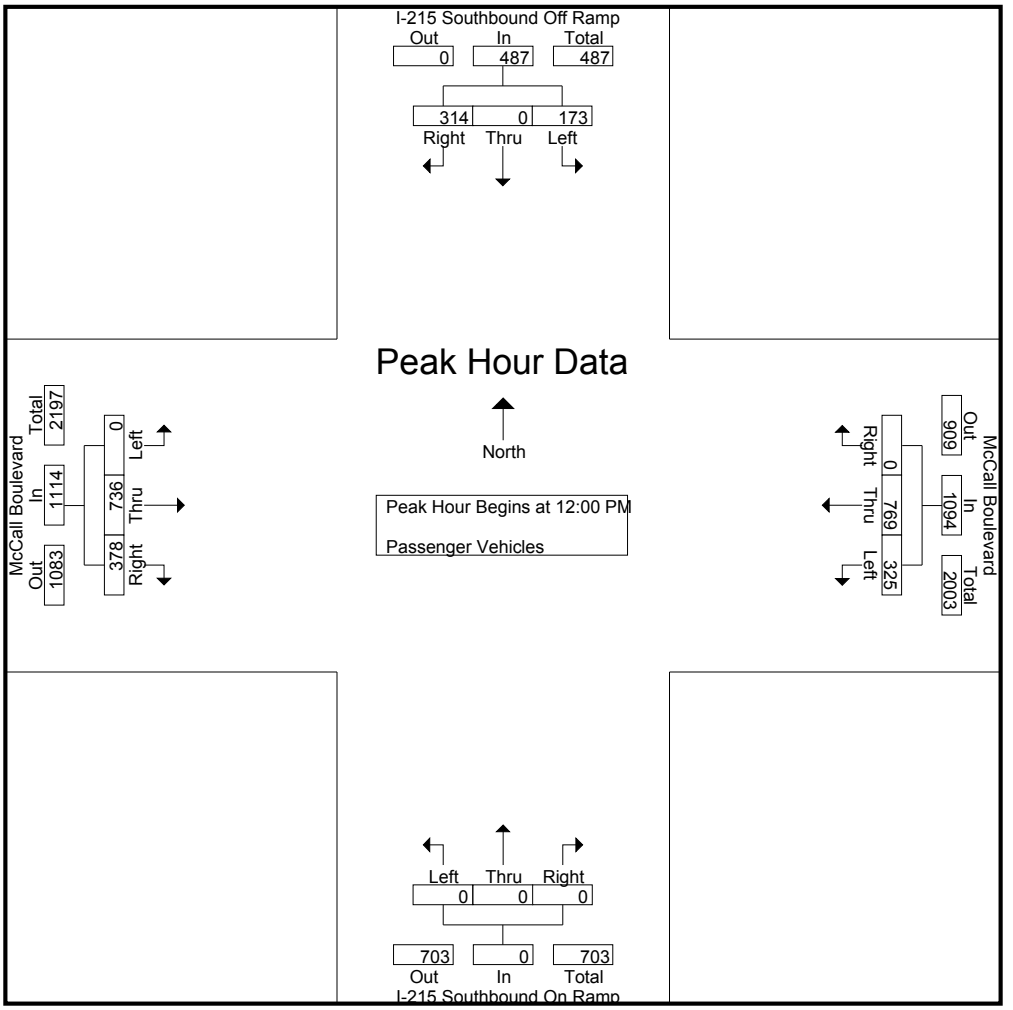
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **59** | 0 | 79 | **138** | 75 | 172 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 170 | 92 | 262 |
| +15 mins. | 35 | 0 | **80** | 115 | **84** | 199 | 0 | 283 | 0 | 0 | 0 | 0 | 0 | **202** | 101 | **303** |
| +30 mins. | 41 | 0 | 78 | 119 | 82 | 195 | 0 | 277 | 0 | 0 | 0 | 0 | 0 | 190 | **102** | 292 |
| +45 mins. | 38 | 0 | 77 | 115 | 84 | **203** | 0 | **287** | 0 | 0 | 0 | 0 | 0 | 174 | 83 | 257 |
| Total Volume | 173 | 0 | 314 | 487 | 325 | 769 | 0 | 1094 | 0 | 0 | 0 | 0 | 0 | 736 | 378 | 1114 |
| % App. Total | 35.5 | 0 | 64.5 | | 29.7 | 70.3 | 0 | | 0 | 0 | 0 | | 0 | 66.1 | 33.9 | |
| PHF | .733 | .000 | .981 | .882 | .967 | .947 | .000 | .953 | .000 | .000 | .000 | .000 | .000 | .911 | .926 | .919 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 2 | 0 | 1 | 3 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 9 |
| 12:15 PM | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 12:30 PM | 2 | 0 | 1 | 3 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 12:45 PM | 1 | 0 | 1 | 2 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 9 |
| Total | 5 | 0 | 4 | 9 | 5 | 7 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 9 | 30 |
| 01:00 PM | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 6 |
| 01:15 PM | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 7 |
| 01:30 PM | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 9 |
| 01:45 PM | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 5 |
| Total | 0 | 0 | 5 | 5 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 15 | 2 | 17 | 27 |
| Grand Total | 5 | 0 | 9 | 14 | 7 | 10 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 23 | 3 | 26 | 57 |
| Apprch % | 35.7 | 0 | 64.3 | | 41.2 | 58.8 | 0 | | 0 | 0 | 0 | | 0 | 88.5 | 11.5 | | |
| Total % | 8.8 | 0 | 15.8 | 24.6 | 12.3 | 17.5 | 0 | 29.8 | 0 | 0 | 0 | 0 | 0 | 40.4 | 5.3 | 45.6 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | **2** | 0 | **1** | **3** | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **3** | **1** | **4** | **9** |
| 12:15 PM | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 12:30 PM | 2 | 0 | 1 | 3 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 12:45 PM | 1 | 0 | 1 | 2 | **2** | **3** | 0 | **5** | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 9 |
| Total Volume | 5 | 0 | 4 | 9 | 5 | 7 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 9 | 30 |
| % App. Total | 55.6 | 0 | 44.4 | | 41.7 | 58.3 | 0 | | 0 | 0 | 0 | | 0 | 88.9 | 11.1 | | |
| PHF | .625 | .000 | 1.00 | .750 | .625 | .583 | .000 | .600 | .000 | .000 | .000 | .000 | .000 | .667 | .250 | .563 | .833 |

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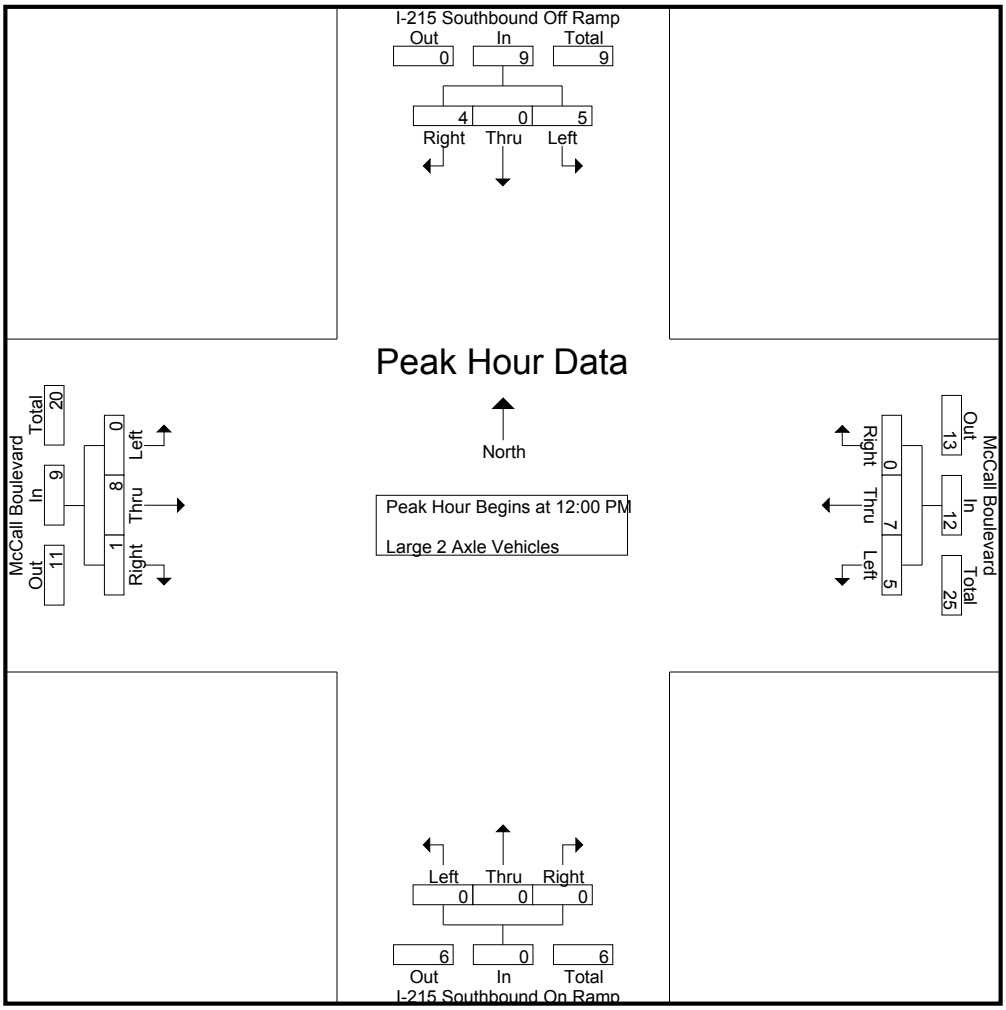
File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **2** | 0 | **1** | **3** | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **3** | **1** | **4** |
| +15 mins. | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +30 mins. | 2 | 0 | 1 | 3 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| +45 mins. | 1 | 0 | 1 | 2 | **2** | **3** | 0 | **5** | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Total Volume | 5 | 0 | 4 | 9 | 5 | 7 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 9 |
| % App. Total | 55.6 | 0 | 44.4 | | 41.7 | 58.3 | 0 | | 0 | 0 | 0 | | 0 | 88.9 | 11.1 | |
| PHF | .625 | .000 | 1.000 | .750 | .625 | .583 | .000 | .600 | .000 | .000 | .000 | .000 | .000 | .667 | .250 | .563 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 12:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Grand Total | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 7 |
| Apprch % | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 42.9 | 42.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.1 | 0 | 57.1 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 12:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | **4** |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 |
| % App. Total | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .750 | .750 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .375 |

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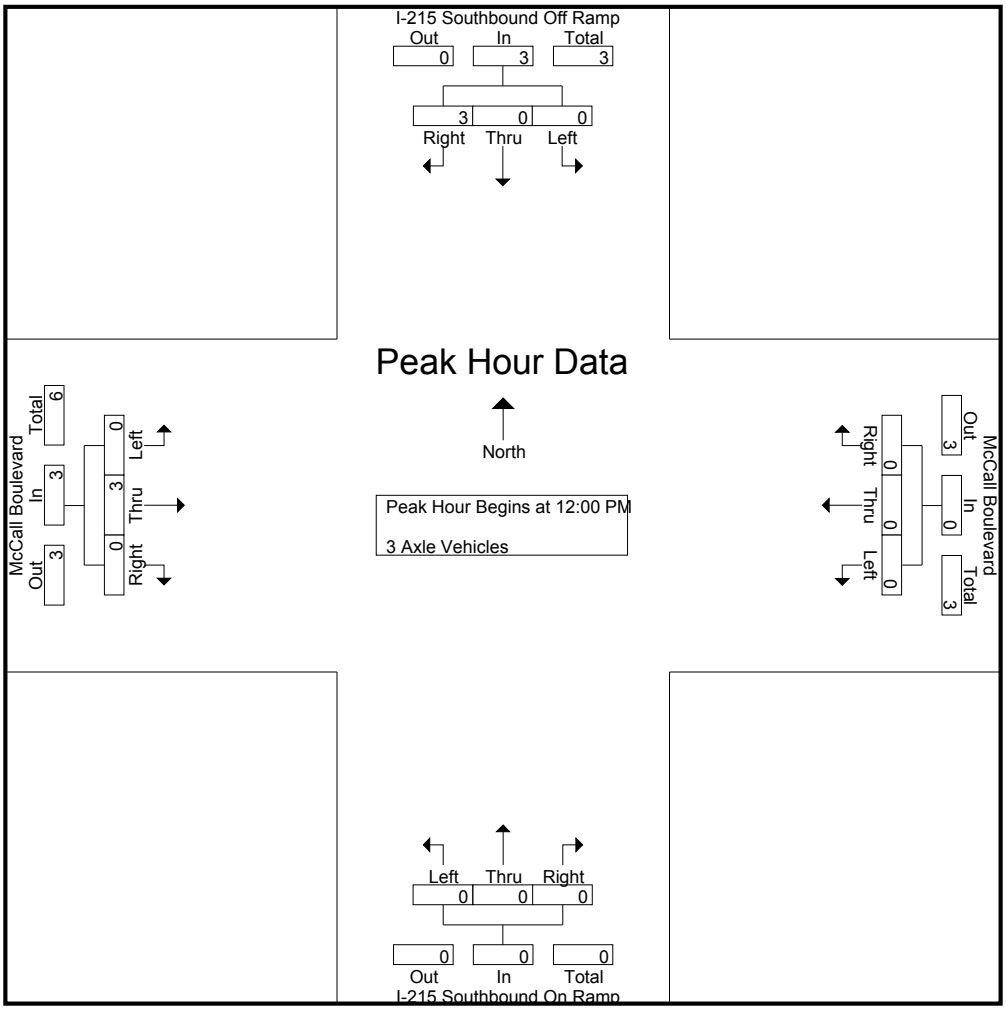
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| % App. Total | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .750 | .750 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Apprch % | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | |

| | I-215 Southbound Off Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Southbound On Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| % App. Total | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .250 | .250 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .500 |

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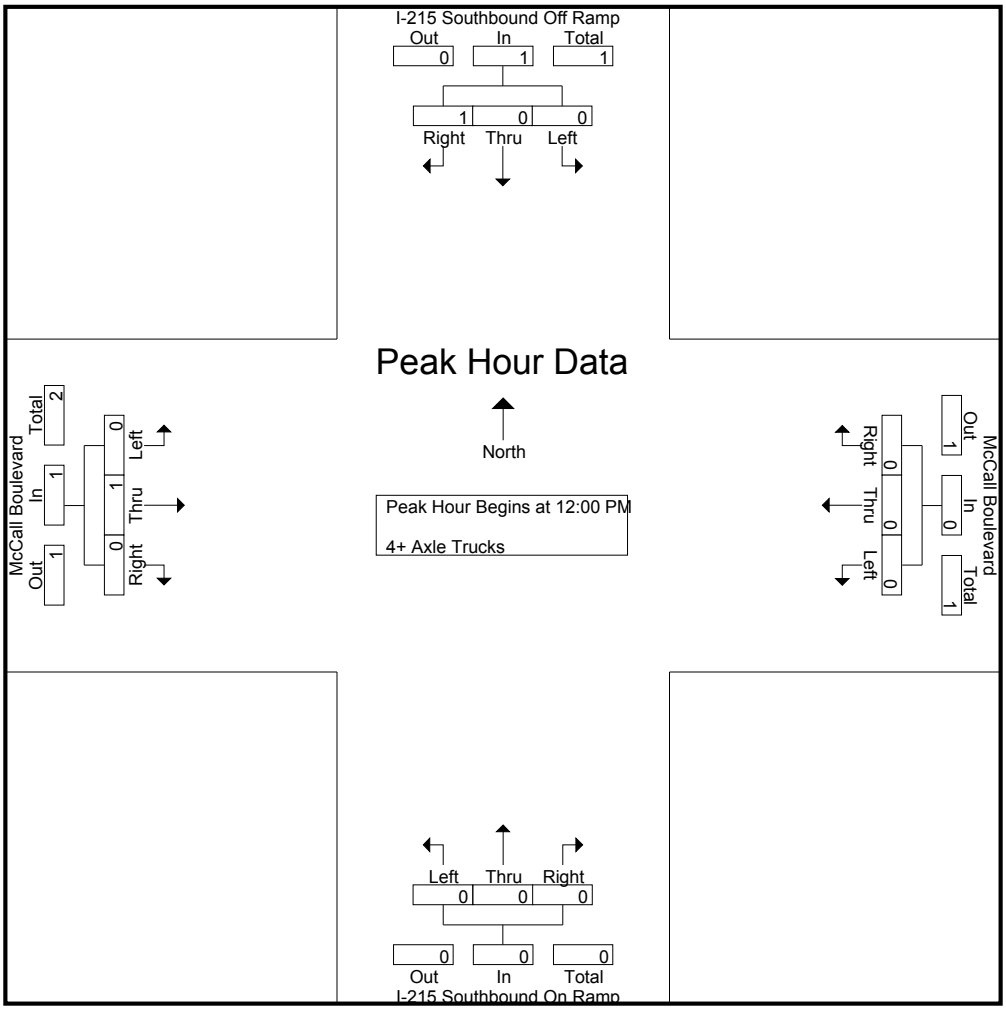
City of Menifee
N/S: I-215 Southbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215SMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .250 | .250 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: Huan Road
E/W: Newport Road
Weather: Clear

File Name : MENHANEAM
Site Code : 12152063
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Huan Road Southbound | | | | Newport Road Westbound | | | | Huan Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 21 | 5 | 8 | 34 | 67 | 184 | 21 | 272 | 15 | 6 | 34 | 55 | 5 | 208 | 21 | 234 | 595 |
| 07:15 AM | 21 | 15 | 9 | 45 | 102 | 184 | 62 | 348 | 14 | 7 | 62 | 83 | 21 | 292 | 31 | 344 | 820 |
| 07:30 AM | 35 | 10 | 6 | 51 | 85 | 219 | 48 | 352 | 21 | 12 | 52 | 85 | 20 | 252 | 30 | 302 | 790 |
| 07:45 AM | 15 | 8 | 12 | 35 | 67 | 205 | 83 | 355 | 22 | 11 | 64 | 97 | 33 | 223 | 39 | 295 | 782 |
| Total | 92 | 38 | 35 | 165 | 321 | 792 | 214 | 1327 | 72 | 36 | 212 | 320 | 79 | 975 | 121 | 1175 | 2987 |
| 08:00 AM | 14 | 8 | 15 | 37 | 80 | 176 | 54 | 310 | 28 | 5 | 34 | 67 | 21 | 230 | 39 | 290 | 704 |
| 08:15 AM | 30 | 8 | 10 | 48 | 76 | 184 | 48 | 308 | 27 | 12 | 53 | 92 | 19 | 249 | 40 | 308 | 756 |
| 08:30 AM | 35 | 10 | 17 | 62 | 94 | 187 | 53 | 334 | 31 | 12 | 70 | 113 | 31 | 189 | 49 | 269 | 778 |
| 08:45 AM | 25 | 12 | 12 | 49 | 77 | 202 | 62 | 341 | 28 | 10 | 54 | 92 | 29 | 227 | 46 | 302 | 784 |
| Total | 104 | 38 | 54 | 196 | 327 | 749 | 217 | 1293 | 114 | 39 | 211 | 364 | 100 | 895 | 174 | 1169 | 3022 |
| Grand Total | 196 | 76 | 89 | 361 | 648 | 1541 | 431 | 2620 | 186 | 75 | 423 | 684 | 179 | 1870 | 295 | 2344 | 6009 |
| Apprch % | 54.3 | 21.1 | 24.7 | | 24.7 | 58.8 | 16.5 | | 27.2 | 11 | 61.8 | | 7.6 | 79.8 | 12.6 | | |
| Total % | 3.3 | 1.3 | 1.5 | 6 | 10.8 | 25.6 | 7.2 | 43.6 | 3.1 | 1.2 | 7 | 11.4 | 3 | 31.1 | 4.9 | 39 | |

| | Huan Road Southbound | | | | Newport Road Westbound | | | | Huan Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 21 | **15** | 9 | 45 | **102** | 184 | 62 | 348 | 14 | 7 | 62 | 83 | 21 | **292** | 31 | **344** | **820** |
| 07:30 AM | **35** | 10 | 6 | **51** | 85 | **219** | 48 | 352 | 21 | **12** | 52 | 85 | 20 | 252 | 30 | 302 | 790 |
| 07:45 AM | 15 | 8 | 12 | 35 | 67 | 205 | **83** | **355** | 22 | 11 | **64** | **97** | **33** | 223 | **39** | 295 | 782 |
| 08:00 AM | 14 | 8 | **15** | 37 | 80 | 176 | 54 | 310 | **28** | 5 | 34 | 67 | 21 | 230 | 39 | 290 | 704 |
| Total Volume | 85 | 41 | 42 | 168 | 334 | 784 | 247 | 1365 | 85 | 35 | 212 | 332 | 95 | 997 | 139 | 1231 | 3096 |
| % App. Total | 50.6 | 24.4 | 25 | | 24.5 | 57.4 | 18.1 | | 25.6 | 10.5 | 63.9 | | 7.7 | 81 | 11.3 | | |
| PHF | .607 | .683 | .700 | .824 | .819 | .895 | .744 | .961 | .759 | .729 | .828 | .856 | .720 | .854 | .891 | .895 | .944 |

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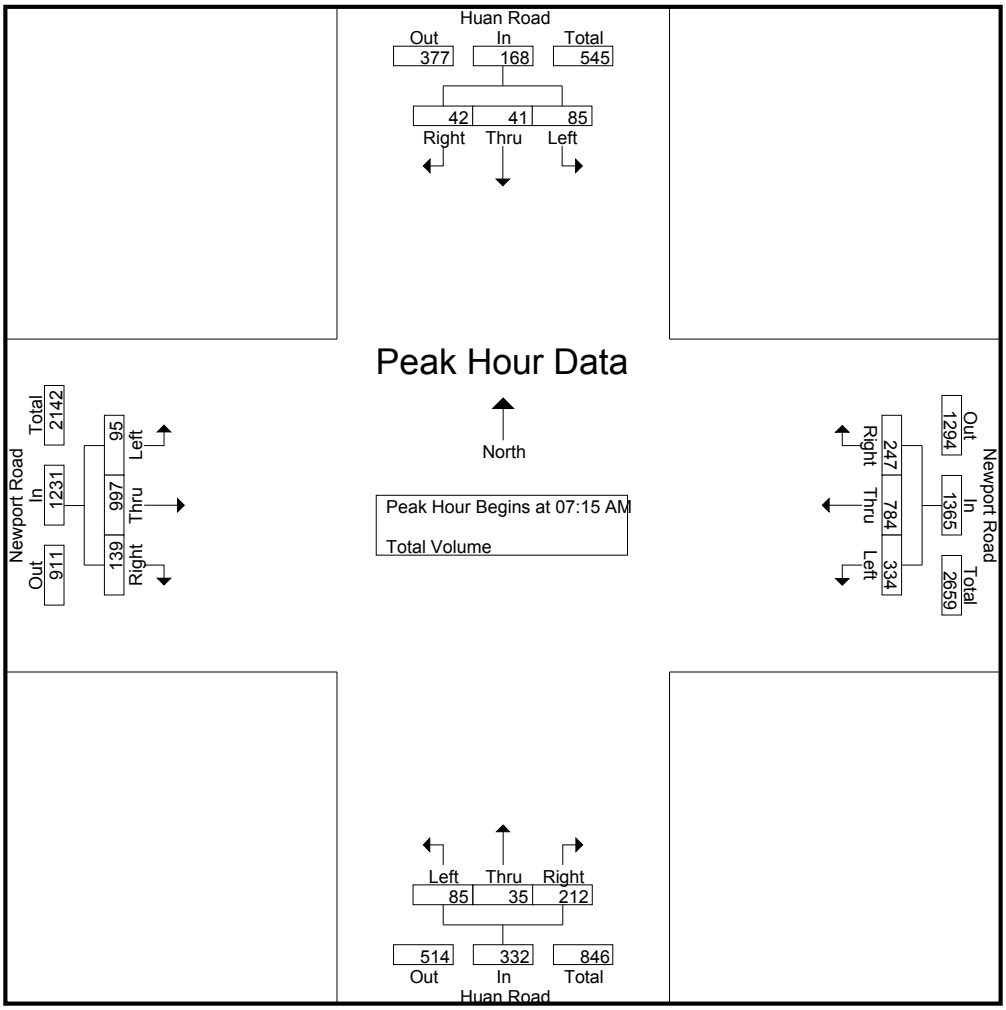
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Huan Road
E/W: Newport Road
Weather: Clear

File Name : MENHANEAM
Site Code : 12152063
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:15 AM | | | | 07:45 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 14 | 8 | 15 | 37 | **102** | 184 | 62 | 348 | 22 | 11 | 64 | 97 | 21 | **292** | 31 | **344** |
| +15 mins. | 30 | 8 | 10 | 48 | 85 | **219** | 48 | 352 | 28 | 5 | 34 | 67 | 20 | 252 | 30 | 302 |
| +30 mins. | **35** | 10 | **17** | **62** | 67 | 205 | **83** | **355** | 27 | **12** | 53 | 92 | **33** | 223 | **39** | 295 |
| +45 mins. | 25 | **12** | 12 | 49 | 80 | 176 | 54 | 310 | **31** | 12 | **70** | **113** | 21 | 230 | 39 | 290 |
| Total Volume | 104 | 38 | 54 | 196 | 334 | 784 | 247 | 1365 | 108 | 40 | 221 | 369 | 95 | 997 | 139 | 1231 |
| % App. Total | 53.1 | 19.4 | 27.6 | | 24.5 | 57.4 | 18.1 | | 29.3 | 10.8 | 59.9 | | 7.7 | 81 | 11.3 | |
| PHF | .743 | .792 | .794 | .790 | .819 | .895 | .744 | .961 | .871 | .833 | .789 | .816 | .720 | .854 | .891 | .895 |

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City of Menifee
N/S: Huan Road
E/W: Newport Road
Weather: Clear

File Name : MENHANEPM
Site Code : 12152063
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Huan Road Southbound | | | | Newport Road Westbound | | | | Huan Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 60 | 16 | 37 | 113 | 141 | 264 | 56 | 461 | 85 | 25 | 132 | 242 | 18 | 195 | 57 | 270 | 1086 |
| 04:15 PM | 62 | 14 | 20 | 96 | 136 | 287 | 45 | 468 | 63 | 17 | 131 | 211 | 17 | 204 | 51 | 272 | 1047 |
| 04:30 PM | 48 | 18 | 30 | 96 | 131 | 239 | 41 | 411 | 75 | 19 | 132 | 226 | 22 | 224 | 54 | 300 | 1033 |
| 04:45 PM | 55 | 19 | 27 | 101 | 133 | 323 | 51 | 507 | 63 | 18 | 139 | 220 | 32 | 204 | 80 | 316 | 1144 |
| Total | 225 | 67 | 114 | 406 | 541 | 1113 | 193 | 1847 | 286 | 79 | 534 | 899 | 89 | 827 | 242 | 1158 | 4310 |
| 05:00 PM | 72 | 24 | 31 | 127 | 142 | 243 | 33 | 418 | 74 | 10 | 130 | 214 | 16 | 200 | 90 | 306 | 1065 |
| 05:15 PM | 61 | 23 | 19 | 103 | 160 | 286 | 37 | 483 | 79 | 14 | 126 | 219 | 18 | 225 | 48 | 291 | 1096 |
| 05:30 PM | 57 | 24 | 26 | 107 | 116 | 246 | 35 | 397 | 96 | 21 | 135 | 252 | 14 | 217 | 71 | 302 | 1058 |
| 05:45 PM | 44 | 12 | 22 | 78 | 168 | 242 | 29 | 439 | 74 | 16 | 129 | 219 | 13 | 164 | 82 | 259 | 995 |
| Total | 234 | 83 | 98 | 415 | 586 | 1017 | 134 | 1737 | 323 | 61 | 520 | 904 | 61 | 806 | 291 | 1158 | 4214 |
| Grand Total | 459 | 150 | 212 | 821 | 1127 | 2130 | 327 | 3584 | 609 | 140 | 1054 | 1803 | 150 | 1633 | 533 | 2316 | 8524 |
| Apprch % | 55.9 | 18.3 | 25.8 | | 31.4 | 59.4 | 9.1 | | 33.8 | 7.8 | 58.5 | | 6.5 | 70.5 | 23 | | |
| Total % | 5.4 | 1.8 | 2.5 | 9.6 | 13.2 | 25 | 3.8 | 42 | 7.1 | 1.6 | 12.4 | 21.2 | 1.8 | 19.2 | 6.3 | 27.2 | |

| | Huan Road Southbound | | | | Newport Road Westbound | | | | Huan Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 55 | 19 | 27 | 101 | 133 | **323** | **51** | **507** | 63 | 18 | **139** | 220 | **32** | 204 | 80 | **316** | **1144** |
| 05:00 PM | **72** | **24** | **31** | **127** | 142 | 243 | 33 | 418 | 74 | 10 | 130 | 214 | 16 | 200 | **90** | 306 | 1065 |
| 05:15 PM | 61 | 23 | 19 | 103 | **160** | 286 | 37 | 483 | 79 | 14 | 126 | 219 | 18 | **225** | 48 | 291 | 1096 |
| 05:30 PM | 57 | 24 | 26 | 107 | 116 | 246 | 35 | 397 | **96** | **21** | 135 | **252** | 14 | 217 | 71 | 302 | 1058 |
| Total Volume | 245 | 90 | 103 | 438 | 551 | 1098 | 156 | 1805 | 312 | 63 | 530 | 905 | 80 | 846 | 289 | 1215 | 4363 |
| % App. Total | 55.9 | 20.5 | 23.5 | | 30.5 | 60.8 | 8.6 | | 34.5 | 7 | 58.6 | | 6.6 | 69.6 | 23.8 | | |
| PHF | .851 | .938 | .831 | .862 | .861 | .850 | .765 | .890 | .813 | .750 | .953 | .898 | .625 | .940 | .803 | .961 | .953 |

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Corona, CA 92878
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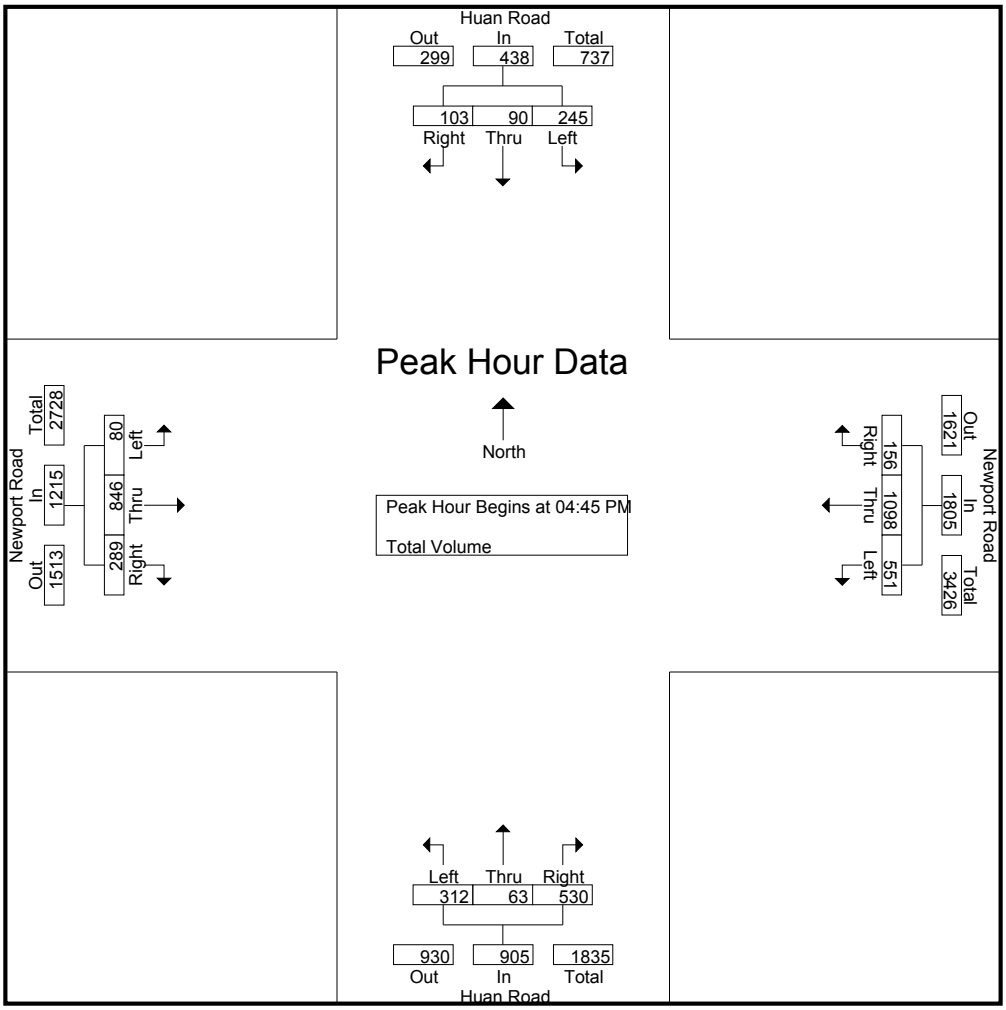
City of Menifee
N/S: Huan Road
E/W: Newport Road
Weather: Clear

File Name : MENHANEPM
Site Code : 12152063
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:00 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 55 | 19 | 27 | 101 | **141** | 264 | **56** | 461 | 63 | 18 | **139** | 220 | **32** | 204 | 80 | **316** |
| +15 mins. | **72** | **24** | **31** | **127** | 136 | 287 | 45 | 468 | 74 | 10 | 130 | 214 | 16 | 200 | **90** | 306 |
| +30 mins. | 61 | 23 | 19 | 103 | 131 | 239 | 41 | 411 | 79 | 14 | 126 | 219 | 18 | **225** | 48 | 291 |
| +45 mins. | 57 | 24 | 26 | 107 | 133 | **323** | 51 | **507** | **96** | **21** | 135 | **252** | 14 | 217 | 71 | 302 |
| Total Volume | 245 | 90 | 103 | 438 | 541 | 1113 | 193 | 1847 | 312 | 63 | 530 | 905 | 80 | 846 | 289 | 1215 |
| % App. Total | 55.9 | 20.5 | 23.5 | | 29.3 | 60.3 | 10.4 | | 34.5 | 7 | 58.6 | | 6.6 | 69.6 | 23.8 | |
| PHF | .851 | .938 | .831 | .862 | .959 | .861 | .862 | .911 | .813 | .750 | .953 | .898 | .625 | .940 | .803 | .961 |

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City of Menifee
N/S: Haun Road / Zieders Road
E/W: Scott Road
Weather: Clear

File Name : MENHASCAM
Site Code : 00000044
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Haun Road Southbound | | | | Scott Road Westbound | | | | Zieders Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 45 | 2 | 0 | 47 | 0 | 24 | 55 | 79 | 0 | 0 | 0 | 0 | 5 | 53 | 1 | 59 | 185 |
| 07:15 AM | 88 | 0 | 8 | 96 | 1 | 74 | 133 | 208 | 0 | 20 | 0 | 20 | 23 | 93 | 3 | 119 | 443 |
| 07:30 AM | 130 | 3 | 20 | 153 | 2 | 79 | 74 | 155 | 1 | 7 | 1 | 9 | 19 | 89 | 0 | 108 | 425 |
| 07:45 AM | 94 | 5 | 16 | 115 | 1 | 78 | 30 | 109 | 3 | 2 | 0 | 5 | 10 | 91 | 2 | 103 | 332 |
| Total | 357 | 10 | 44 | 411 | 4 | 255 | 292 | 551 | 4 | 29 | 1 | 34 | 57 | 326 | 6 | 389 | 1385 |
| 08:00 AM | 91 | 1 | 17 | 109 | 1 | 81 | 30 | 112 | 1 | 1 | 0 | 2 | 10 | 71 | 3 | 84 | 307 |
| 08:15 AM | 90 | 2 | 14 | 106 | 1 | 63 | 38 | 102 | 0 | 0 | 0 | 0 | 8 | 63 | 1 | 72 | 280 |
| 08:30 AM | 66 | 3 | 8 | 77 | 1 | 78 | 52 | 131 | 1 | 1 | 0 | 2 | 12 | 59 | 0 | 71 | 281 |
| 08:45 AM | 56 | 3 | 13 | 72 | 4 | 83 | 36 | 123 | 0 | 1 | 1 | 2 | 6 | 87 | 0 | 93 | 290 |
| Total | 303 | 9 | 52 | 364 | 7 | 305 | 156 | 468 | 2 | 3 | 1 | 6 | 36 | 280 | 4 | 320 | 1158 |
| Grand Total | 660 | 19 | 96 | 775 | 11 | 560 | 448 | 1019 | 6 | 32 | 2 | 40 | 93 | 606 | 10 | 709 | 2543 |
| Apprch % | 85.2 | 2.5 | 12.4 | | 1.1 | 55 | 44 | | 15 | 80 | 5 | | 13.1 | 85.5 | 1.4 | | |
| Total % | 26 | 0.7 | 3.8 | 30.5 | 0.4 | 22 | 17.6 | 40.1 | 0.2 | 1.3 | 0.1 | 1.6 | 3.7 | 23.8 | 0.4 | 27.9 | |

| | Haun Road Southbound | | | | Scott Road Westbound | | | | Zieders Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 88 | 0 | 8 | 96 | 1 | 74 | **133** | **208** | 0 | **20** | 0 | **20** | **23** | **93** | **3** | **119** | **443** |
| 07:30 AM | **130** | 3 | **20** | **153** | **2** | 79 | 74 | 155 | 1 | 7 | **1** | 9 | 19 | 89 | 0 | 108 | 425 |
| 07:45 AM | 94 | **5** | 16 | 115 | 1 | 78 | 30 | 109 | **3** | 2 | 0 | 5 | 10 | 91 | 2 | 103 | 332 |
| 08:00 AM | 91 | 1 | 17 | 109 | 1 | **81** | 30 | 112 | 1 | 1 | 0 | 2 | 10 | 71 | 3 | 84 | 307 |
| Total Volume | 403 | 9 | 61 | 473 | 5 | 312 | 267 | 584 | 5 | 30 | 1 | 36 | 62 | 344 | 8 | 414 | 1507 |
| % App. Total | 85.2 | 1.9 | 12.9 | | 0.9 | 53.4 | 45.7 | | 13.9 | 83.3 | 2.8 | | 15 | 83.1 | 1.9 | | |
| PHF | .775 | .450 | .763 | .773 | .625 | .963 | .502 | .702 | .417 | .375 | .250 | .450 | .674 | .925 | .667 | .870 | .850 |

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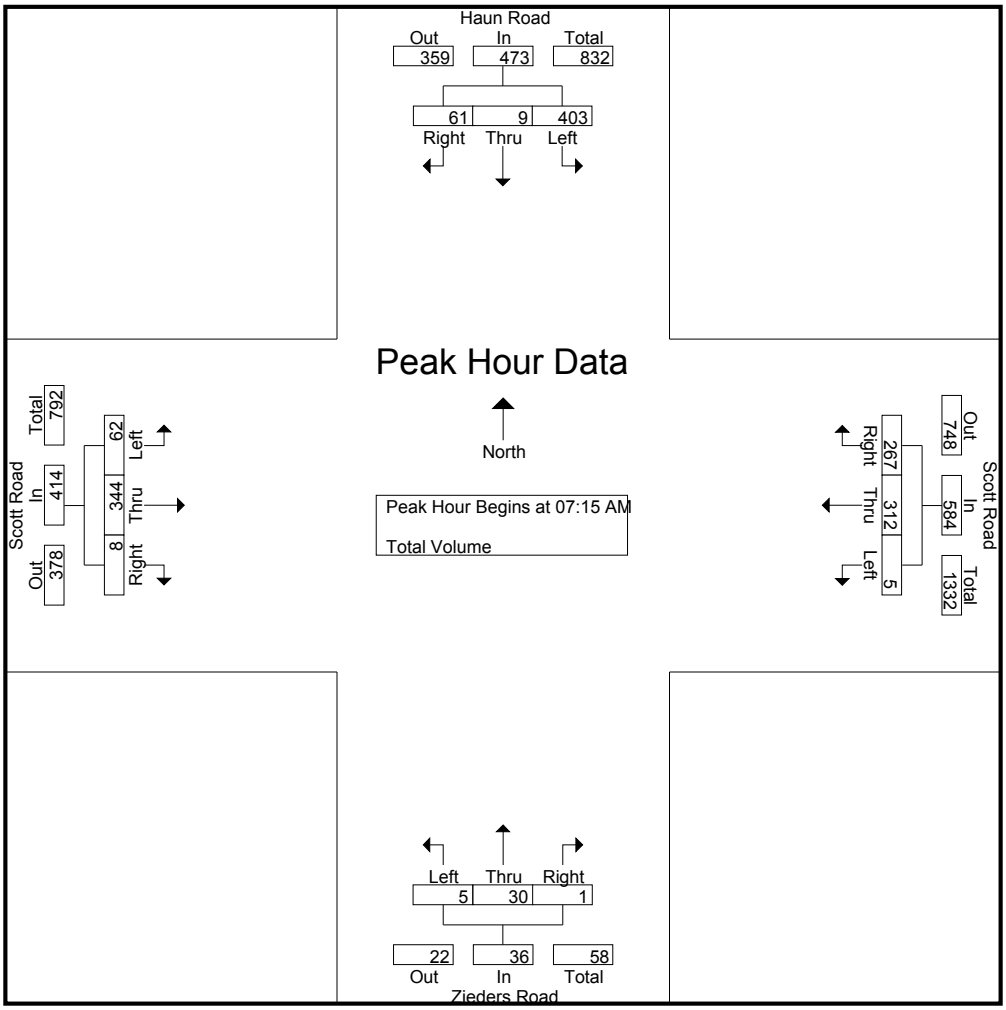
(951) 268-6268

City of Menifee
N/S: Haun Road / Zieders Road
E/W: Scott Road
Weather: Clear

File Name : MENHASCAM
Site Code : 00000044
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:30 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **130** | 3 | **20** | **153** | 1 | 74 | **133** | **208** | 0 | **20** | 0 | **20** | **23** | **93** | **3** | **119** |
| +15 mins. | 94 | **5** | 16 | 115 | **2** | 79 | 74 | 155 | 1 | 7 | **1** | 9 | 19 | 89 | 0 | 108 |
| +30 mins. | 91 | 1 | 17 | 109 | 1 | 78 | 30 | 109 | **3** | 2 | 0 | 5 | 10 | 91 | 2 | 103 |
| +45 mins. | 90 | 2 | 14 | 106 | 1 | **81** | 30 | 112 | 1 | 1 | 0 | 2 | 10 | 71 | 3 | 84 |
| Total Volume | 405 | 11 | 67 | 483 | 5 | 312 | 267 | 584 | 5 | 30 | 1 | 36 | 62 | 344 | 8 | 414 |
| % App. Total | 83.9 | 2.3 | 13.9 | | 0.9 | 53.4 | 45.7 | | 13.9 | 83.3 | 2.8 | | 15 | 83.1 | 1.9 | |
| PHF | .779 | .550 | .838 | .789 | .625 | .963 | .502 | .702 | .417 | .375 | .250 | .450 | .674 | .925 | .667 | .870 |

Counts Unlimited, Inc.
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City of Menifee
N/S: Haun Road / Zieders Road
E/W: Scott Road
Weather: Clear

File Name : MENHASCPM
Site Code : 00000044
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Haun Road Southbound | | | | Scott Road Westbound | | | | Zieders Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 51 | 0 | 7 | 58 | 7 | 70 | 43 | 120 | 2 | 0 | 2 | 4 | 4 | 60 | 1 | 65 | 247 |
| 04:15 PM | 60 | 2 | 8 | 70 | 3 | 100 | 93 | 196 | 0 | 0 | 2 | 2 | 14 | 100 | 1 | 115 | 383 |
| 04:30 PM | 53 | 1 | 12 | 66 | 1 | 82 | 92 | 175 | 2 | 2 | 0 | 4 | 12 | 115 | 4 | 131 | 376 |
| 04:45 PM | 65 | 1 | 8 | 74 | 2 | 87 | 78 | 167 | 1 | 0 | 0 | 1 | 16 | 81 | 2 | 99 | 341 |
| Total | 229 | 4 | 35 | 268 | 13 | 339 | 306 | 658 | 5 | 2 | 4 | 11 | 46 | 356 | 8 | 410 | 1347 |
| 05:00 PM | 66 | 0 | 11 | 77 | 2 | 89 | 70 | 161 | 2 | 1 | 1 | 4 | 18 | 131 | 1 | 150 | 392 |
| 05:15 PM | 57 | 0 | 4 | 61 | 1 | 86 | 101 | 188 | 0 | 1 | 0 | 1 | 8 | 93 | 2 | 103 | 353 |
| 05:30 PM | 52 | 4 | 14 | 70 | 7 | 108 | 95 | 210 | 0 | 2 | 0 | 2 | 12 | 116 | 0 | 128 | 410 |
| 05:45 PM | 45 | 0 | 10 | 55 | 0 | 85 | 105 | 190 | 0 | 0 | 2 | 2 | 14 | 83 | 1 | 98 | 345 |
| Total | 220 | 4 | 39 | 263 | 10 | 368 | 371 | 749 | 2 | 4 | 3 | 9 | 52 | 423 | 4 | 479 | 1500 |
| Grand Total | 449 | 8 | 74 | 531 | 23 | 707 | 677 | 1407 | 7 | 6 | 7 | 20 | 98 | 779 | 12 | 889 | 2847 |
| Apprch % | 84.6 | 1.5 | 13.9 | | 1.6 | 50.2 | 48.1 | | 35 | 30 | 35 | | 11 | 87.6 | 1.3 | | |
| Total % | 15.8 | 0.3 | 2.6 | 18.7 | 0.8 | 24.8 | 23.8 | 49.4 | 0.2 | 0.2 | 0.2 | 0.7 | 3.4 | 27.4 | 0.4 | 31.2 | |

| | Haun Road Southbound | | | | Scott Road Westbound | | | | Zieders Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | **66** | 0 | 11 | **77** | 2 | 89 | 70 | 161 | **2** | 1 | 1 | **4** | **18** | **131** | 1 | **150** | 392 |
| 05:15 PM | 57 | 0 | 4 | 61 | 1 | 86 | 101 | 188 | 0 | 1 | 0 | 1 | 8 | 93 | **2** | 103 | 353 |
| 05:30 PM | 52 | **4** | **14** | 70 | **7** | **108** | 95 | **210** | 0 | **2** | 0 | 2 | 12 | 116 | 0 | 128 | **410** |
| 05:45 PM | 45 | 0 | 10 | 55 | 0 | 85 | **105** | 190 | 0 | 0 | **2** | 2 | 14 | 83 | 1 | 98 | 345 |
| Total Volume | 220 | 4 | 39 | 263 | 10 | 368 | 371 | 749 | 2 | 4 | 3 | 9 | 52 | 423 | 4 | 479 | 1500 |
| % App. Total | 83.7 | 1.5 | 14.8 | | 1.3 | 49.1 | 49.5 | | 22.2 | 44.4 | 33.3 | | 10.9 | 88.3 | 0.8 | | |
| PHF | .833 | .250 | .696 | .854 | .357 | .852 | .883 | .892 | .250 | .500 | .375 | .563 | .722 | .807 | .500 | .798 | .915 |

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City of Menifee
N/S: Haun Road / Zieders Road
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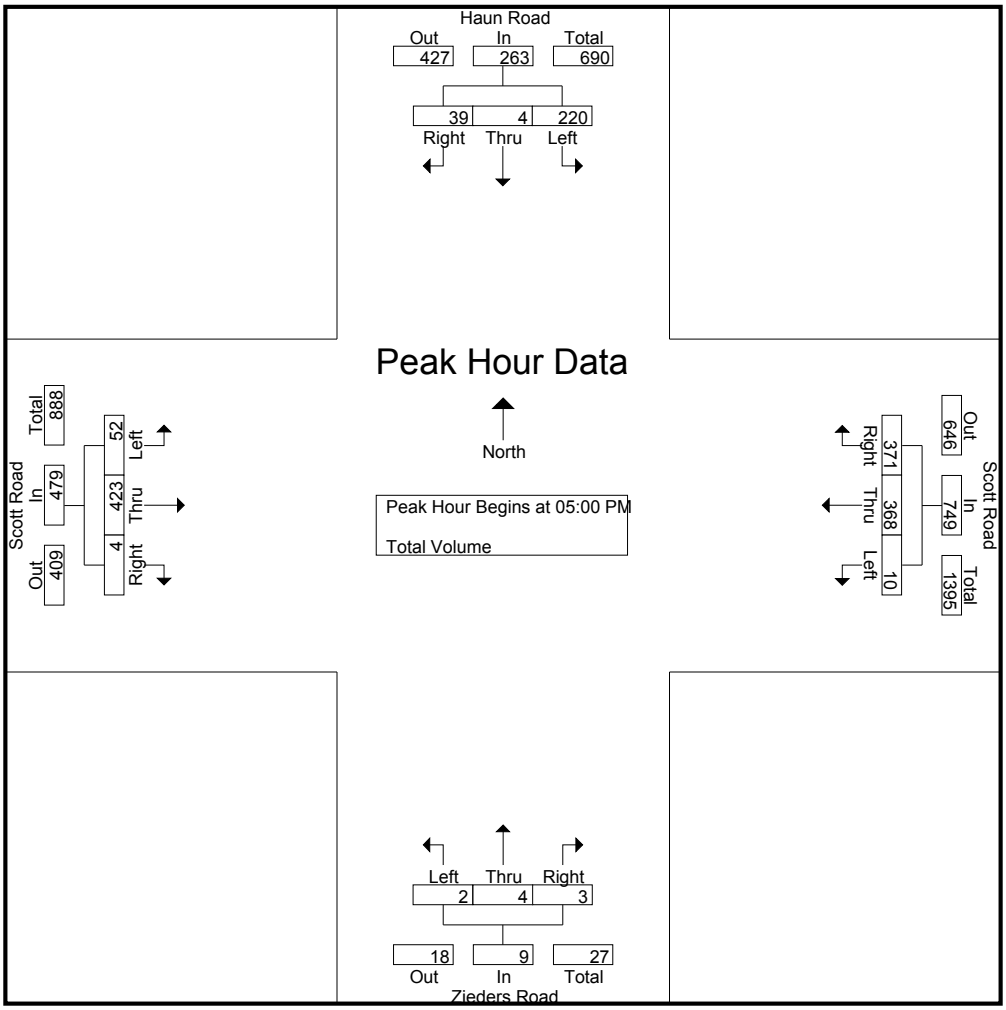
Weather: Clear

File Name : MENHASCPM
Site Code : 00000044
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 05:00 PM | | | | 04:00 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 60 | **2** | 8 | 70 | 2 | 89 | 70 | 161 | **2** | 0 | **2** | **4** | 14 | 100 | 1 | 115 |
| +15 mins. | 53 | 1 | **12** | 66 | 1 | 86 | 101 | 188 | 0 | 0 | 2 | 2 | 12 | 115 | **4** | 131 |
| +30 mins. | 65 | 1 | 8 | 74 | **7** | **108** | 95 | **210** | 2 | **2** | 0 | 4 | 16 | 81 | 2 | 99 |
| +45 mins. | **66** | 0 | 11 | **77** | 0 | 85 | **105** | 190 | 1 | 0 | 0 | 1 | **18** | **131** | 1 | **150** |
| Total Volume | 244 | 4 | 39 | 287 | 10 | 368 | 371 | 749 | 5 | 2 | 4 | 11 | 60 | 427 | 8 | 495 |
| % App. Total | 85 | 1.4 | 13.6 | | 1.3 | 49.1 | 49.5 | | 45.5 | 18.2 | 36.4 | | 12.1 | 86.3 | 1.6 | |
| PHF | .924 | .500 | .813 | .932 | .357 | .852 | .883 | .892 | .625 | .250 | .500 | .688 | .833 | .815 | .500 | .825 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 56 | 0 | 51 | 107 | 150 | 211 | 0 | 361 | 0 | 0 | 0 | 0 | 0 | 158 | 110 | 268 | 736 |
| 07:15 AM | 104 | 0 | 62 | 166 | 162 | 240 | 0 | 402 | 0 | 0 | 0 | 0 | 0 | 236 | 106 | 342 | 910 |
| 07:30 AM | 114 | 0 | 43 | 157 | 157 | 266 | 0 | 423 | 0 | 0 | 0 | 0 | 0 | 284 | 113 | 397 | 977 |
| 07:45 AM | 82 | 0 | 58 | 140 | 170 | 289 | 0 | 459 | 0 | 0 | 0 | 0 | 0 | 212 | 108 | 320 | 919 |
| Total | 356 | 0 | 214 | 570 | 639 | 1006 | 0 | 1645 | 0 | 0 | 0 | 0 | 0 | 890 | 437 | 1327 | 3542 |
| 08:00 AM | 97 | 0 | 63 | 160 | 132 | 242 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 208 | 97 | 305 | 839 |
| 08:15 AM | 65 | 0 | 54 | 119 | 124 | 250 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 239 | 83 | 322 | 815 |
| 08:30 AM | 78 | 0 | 54 | 132 | 118 | 268 | 0 | 386 | 0 | 0 | 0 | 0 | 0 | 196 | 94 | 290 | 808 |
| 08:45 AM | 72 | 0 | 49 | 121 | 112 | 275 | 0 | 387 | 0 | 0 | 0 | 0 | 0 | 214 | 105 | 319 | 827 |
| Total | 312 | 0 | 220 | 532 | 486 | 1035 | 0 | 1521 | 0 | 0 | 0 | 0 | 0 | 857 | 379 | 1236 | 3289 |
| Grand Total | 668 | 0 | 434 | 1102 | 1125 | 2041 | 0 | 3166 | 0 | 0 | 0 | 0 | 0 | 1747 | 816 | 2563 | 6831 |
| Apprch % | 60.6 | 0 | 39.4 | | 35.5 | 64.5 | 0 | | 0 | 0 | 0 | | 0 | 68.2 | 31.8 | | |
| Total % | 9.8 | 0 | 6.4 | 16.1 | 16.5 | 29.9 | 0 | 46.3 | 0 | 0 | 0 | 0 | 0 | 25.6 | 11.9 | 37.5 | |
| Passenger Vehicles | 619 | 0 | 427 | 1046 | 1085 | 2017 | 0 | 3102 | 0 | 0 | 0 | 0 | 0 | 1708 | 808 | 2516 | 6664 |
| % Passenger Vehicles | 92.7 | 0 | 98.4 | 94.9 | 96.4 | 98.8 | 0 | 98 | 0 | 0 | 0 | 0 | 0 | 97.8 | 99 | 98.2 | 97.6 |
| Large 2 Axle Vehicles | 42 | 0 | 6 | 48 | 26 | 19 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 33 | 3 | 36 | 129 |
| % Large 2 Axle Vehicles | 6.3 | 0 | 1.4 | 4.4 | 2.3 | 0.9 | 0 | 1.4 | 0 | 0 | 0 | 0 | 0 | 1.9 | 0.4 | 1.4 | 1.9 |
| 3 Axle Vehicles | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 8 |
| % 3 Axle Vehicles | 0.1 | 0 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.1 | 0.2 | 0.1 |
| 4+ Axle Trucks | 6 | 0 | 0 | 6 | 12 | 5 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 30 |
| % 4+ Axle Trucks | 0.9 | 0 | 0 | 0.5 | 1.1 | 0.2 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.5 | 0.3 | 0.4 |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 104 | 0 | 62 | **166** | 162 | 240 | 0 | 402 | 0 | 0 | 0 | 0 | 0 | 236 | 106 | 342 | 910 |
| 07:30 AM | **114** | 0 | 43 | 157 | 157 | 266 | 0 | 423 | 0 | 0 | 0 | 0 | 0 | **284** | **113** | **397** | **977** |
| 07:45 AM | 82 | 0 | 58 | 140 | **170** | **289** | 0 | **459** | 0 | 0 | 0 | 0 | 0 | 212 | 108 | 320 | 919 |
| 08:00 AM | 97 | 0 | **63** | 160 | 132 | 242 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 208 | 97 | 305 | 839 |
| Total Volume | 397 | 0 | 226 | 623 | 621 | 1037 | 0 | 1658 | 0 | 0 | 0 | 0 | 0 | 940 | 424 | 1364 | 3645 |
| % App. Total | 63.7 | 0 | 36.3 | | 37.5 | 62.5 | 0 | | 0 | 0 | 0 | | 0 | 68.9 | 31.1 | | |
| PHF | .871 | .000 | .897 | .938 | .913 | .897 | .000 | .903 | .000 | .000 | .000 | .000 | .000 | .827 | .938 | .859 | .933 |

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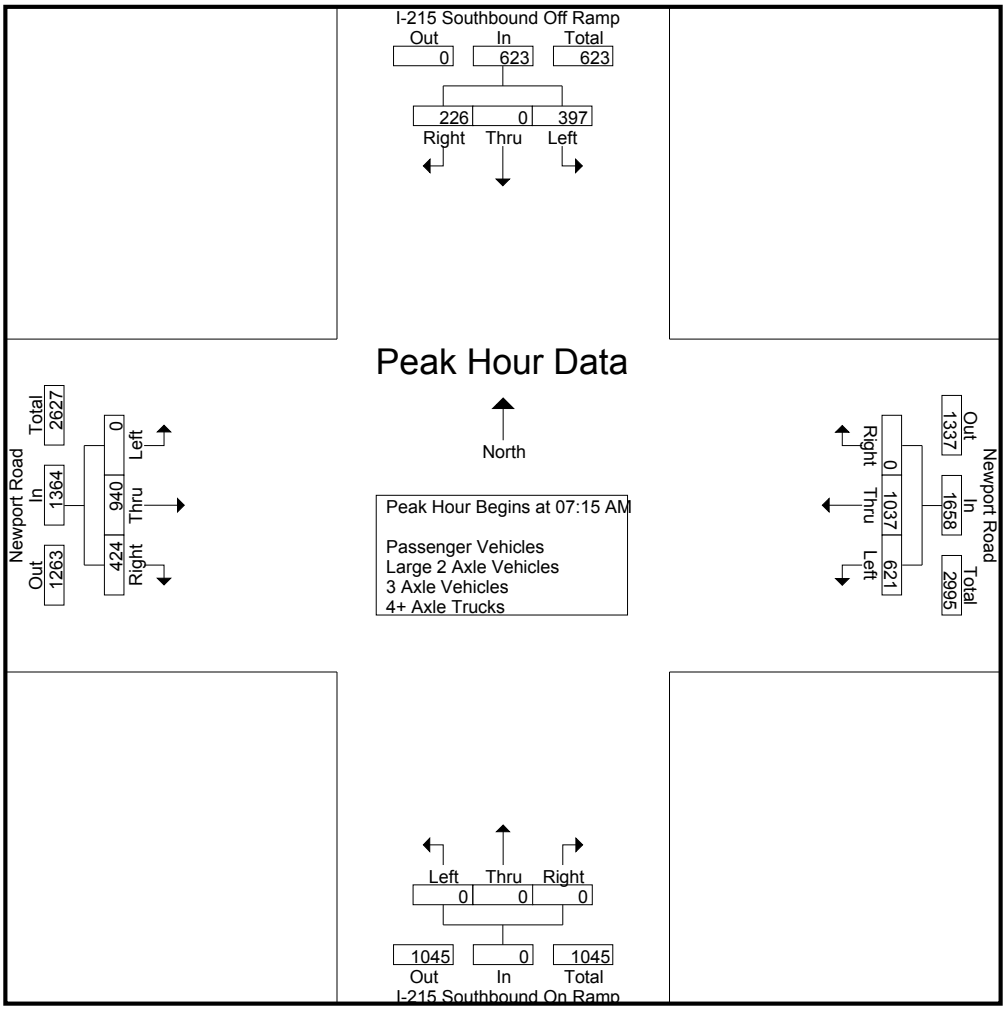
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:00 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 104 | 0 | 62 | **166** | 162 | 240 | 0 | 402 | 0 | 0 | 0 | 0 | 0 | 236 | 106 | 342 |
| +15 mins. | **114** | 0 | 43 | 157 | 157 | 266 | 0 | 423 | 0 | 0 | 0 | 0 | 0 | **284** | **113** | **397** |
| +30 mins. | 82 | 0 | 58 | 140 | **170** | **289** | 0 | **459** | 0 | 0 | 0 | 0 | 0 | 212 | 108 | 320 |
| +45 mins. | 97 | 0 | **63** | 160 | 132 | 242 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 208 | 97 | 305 |
| Total Volume | 397 | 0 | 226 | 623 | 621 | 1037 | 0 | 1658 | 0 | 0 | 0 | 0 | 0 | 940 | 424 | 1364 |
| % App. Total | 63.7 | 0 | 36.3 | | 37.5 | 62.5 | 0 | | 0 | 0 | 0 | | 0 | 68.9 | 31.1 | |
| PHF | .871 | .000 | .897 | .938 | .913 | .897 | .000 | .903 | .000 | .000 | .000 | .000 | .000 | .827 | .938 | .859 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 48 | 0 | 47 | 95 | 144 | 209 | 0 | 353 | 0 | 0 | 0 | 0 | 0 | 146 | 106 | 252 | 700 |
| 07:15 AM | 96 | 0 | 59 | 155 | 157 | 233 | 0 | 390 | 0 | 0 | 0 | 0 | 0 | 226 | 102 | 328 | 873 |
| 07:30 AM | 107 | 0 | 43 | 150 | 152 | 261 | 0 | 413 | 0 | 0 | 0 | 0 | 0 | 282 | 113 | 395 | 958 |
| 07:45 AM | 76 | 0 | 58 | 134 | 164 | 288 | 0 | 452 | 0 | 0 | 0 | 0 | 0 | 211 | 108 | 319 | 905 |
| Total | 327 | 0 | 207 | 534 | 617 | 991 | 0 | 1608 | 0 | 0 | 0 | 0 | 0 | 865 | 429 | 1294 | 3436 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 91 | 0 | 63 | 154 | 126 | 239 | 0 | 365 | 0 | 0 | 0 | 0 | 0 | 203 | 97 | 300 | 819 |
| 08:15 AM | 60 | 0 | 54 | 114 | 117 | 249 | 0 | 366 | 0 | 0 | 0 | 0 | 0 | 236 | 83 | 319 | 799 |
| 08:30 AM | 73 | 0 | 54 | 127 | 114 | 265 | 0 | 379 | 0 | 0 | 0 | 0 | 0 | 194 | 94 | 288 | 794 |
| 08:45 AM | 68 | 0 | 49 | 117 | 111 | 273 | 0 | 384 | 0 | 0 | 0 | 0 | 0 | 210 | 105 | 315 | 816 |
| Total | 292 | 0 | 220 | 512 | 468 | 1026 | 0 | 1494 | 0 | 0 | 0 | 0 | 0 | 843 | 379 | 1222 | 3228 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 619 | 0 | 427 | 1046 | 1085 | 2017 | 0 | 3102 | 0 | 0 | 0 | 0 | 0 | 1708 | 808 | 2516 | 6664 |
| Apprch % | 59.2 | 0 | 40.8 | | 35 | 65 | 0 | | 0 | 0 | 0 | | 0 | 67.9 | 32.1 | | |
| Total % | 9.3 | 0 | 6.4 | 15.7 | 16.3 | 30.3 | 0 | 46.5 | 0 | 0 | 0 | 0 | 0 | 25.6 | 12.1 | 37.8 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 96 | 0 | 59 | **155** | 157 | 233 | 0 | 390 | 0 | 0 | 0 | 0 | 0 | 226 | 102 | 328 | 873 |
| 07:30 AM | **107** | 0 | 43 | 150 | 152 | 261 | 0 | 413 | 0 | 0 | 0 | 0 | 0 | **282** | **113** | **395** | **958** |
| 07:45 AM | 76 | 0 | 58 | 134 | **164** | **288** | 0 | **452** | 0 | 0 | 0 | 0 | 0 | 211 | 108 | 319 | 905 |
| 08:00 AM | 91 | 0 | **63** | 154 | 126 | 239 | 0 | 365 | 0 | 0 | 0 | 0 | 0 | 203 | 97 | 300 | 819 |
| Total Volume | 370 | 0 | 223 | 593 | 599 | 1021 | 0 | 1620 | 0 | 0 | 0 | 0 | 0 | 922 | 420 | 1342 | 3555 |
| % App. Total | 62.4 | 0 | 37.6 | | 37 | 63 | 0 | | 0 | 0 | 0 | | 0 | 68.7 | 31.3 | | |
| PHF | .864 | .000 | .885 | .956 | .913 | .886 | .000 | .896 | .000 | .000 | .000 | .000 | .000 | .817 | .929 | .849 | .928 |

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City of Menifee
N/S: I-215 Southbound Ramps
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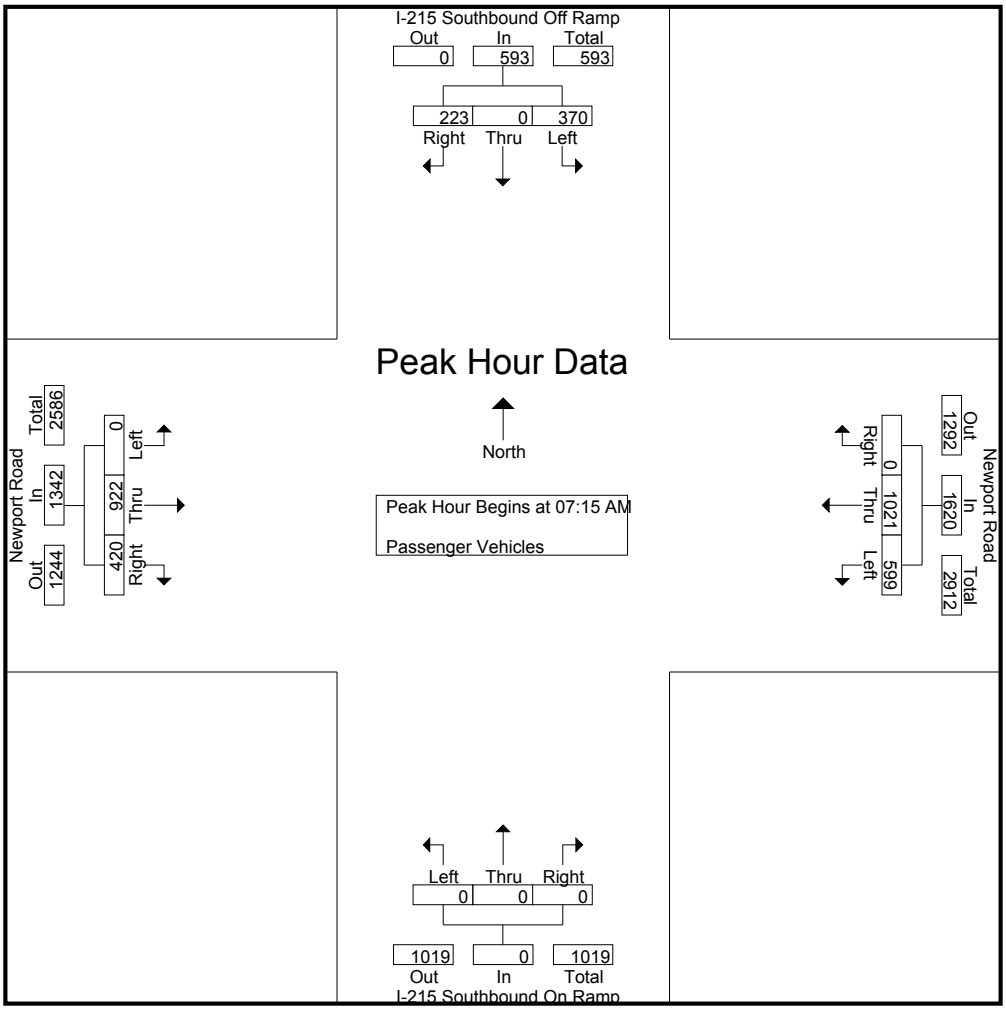
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 96 | 0 | 59 | **155** | 157 | 233 | 0 | 390 | 0 | 0 | 0 | 0 | 0 | 226 | 102 | 328 |
| +15 mins. | **107** | 0 | 43 | 150 | 152 | 261 | 0 | 413 | 0 | 0 | 0 | 0 | 0 | **282** | **113** | **395** |
| +30 mins. | 76 | 0 | 58 | 134 | **164** | **288** | 0 | **452** | 0 | 0 | 0 | 0 | 0 | 211 | 108 | 319 |
| +45 mins. | 91 | 0 | **63** | 154 | 126 | 239 | 0 | 365 | 0 | 0 | 0 | 0 | 0 | 203 | 97 | 300 |
| Total Volume | 370 | 0 | 223 | 593 | 599 | 1021 | 0 | 1620 | 0 | 0 | 0 | 0 | 0 | 922 | 420 | 1342 |
| % App. Total | 62.4 | 0 | 37.6 | | 37 | 63 | 0 | | 0 | 0 | 0 | | 0 | 68.7 | 31.3 | |
| PHF | .864 | .000 | .885 | .956 | .913 | .886 | .000 | .896 | .000 | .000 | .000 | .000 | .000 | .817 | .929 | .849 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 0 | 4 | 10 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 11 | 26 |
| 07:15 AM | 6 | 0 | 2 | 8 | 2 | 6 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 24 |
| 07:30 AM | 7 | 0 | 0 | 7 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 16 |
| 07:45 AM | 6 | 0 | 0 | 6 | 4 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 |
| Total | 25 | 0 | 6 | 31 | 14 | 11 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 19 | 3 | 22 | 78 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 5 | 0 | 0 | 5 | 6 | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 18 |
| 08:15 AM | 4 | 0 | 0 | 4 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 13 |
| 08:30 AM | 5 | 0 | 0 | 5 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 11 |
| 08:45 AM | 3 | 0 | 0 | 3 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 9 |
| Total | 17 | 0 | 0 | 17 | 12 | 8 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 14 | 51 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 42 | 0 | 6 | 48 | 26 | 19 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 33 | 3 | 36 | 129 |
| Apprch % | 87.5 | 0 | 12.5 | | 57.8 | 42.2 | 0 | | 0 | 0 | 0 | | 0 | 91.7 | 8.3 | | |
| Total % | 32.6 | 0 | 4.7 | 37.2 | 20.2 | 14.7 | 0 | 34.9 | 0 | 0 | 0 | 0 | 0 | 25.6 | 2.3 | 27.9 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 6 | 0 | **2** | **8** | 2 | **6** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | **7** | **1** | **8** | **24** |
| 07:30 AM | **7** | 0 | 0 | 7 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 16 |
| 07:45 AM | 6 | 0 | 0 | 6 | 4 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 |
| 08:00 AM | 5 | 0 | 0 | 5 | **6** | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 18 |
| Total Volume | 24 | 0 | 2 | 26 | 17 | 11 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 16 | 70 |
| % App. Total | 92.3 | 0 | 7.7 | | 60.7 | 39.3 | 0 | | 0 | 0 | 0 | | 0 | 93.8 | 6.2 | | |
| PHF | .857 | .000 | .250 | .813 | .708 | .458 | .000 | .875 | .000 | .000 | .000 | .000 | .000 | .536 | .250 | .500 | .729 |

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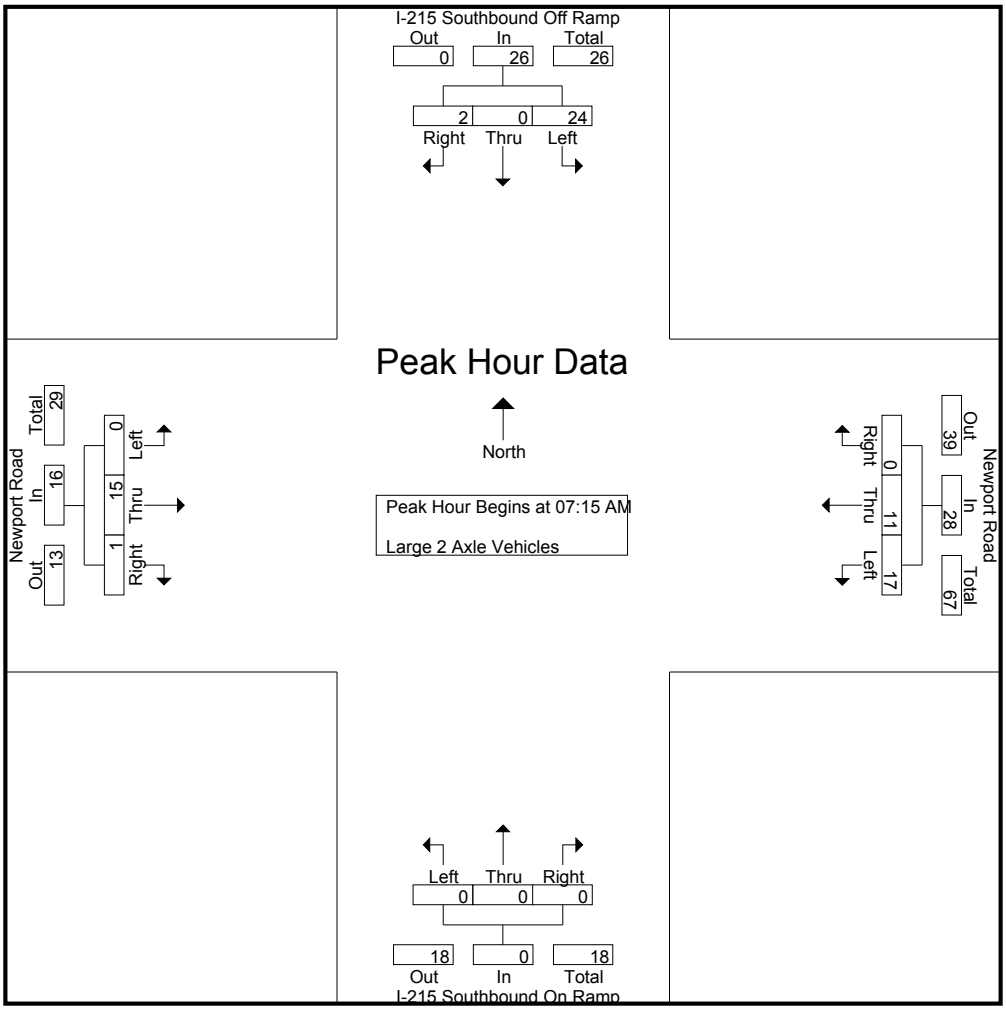
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 6 | 0 | **2** | **8** | 2 | **6** | 0 | **8** | 0 | 0 | 0 | 0 | 0 | **7** | **1** | **8** |
| +15 mins. | **7** | 0 | 0 | 7 | 5 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| +30 mins. | 6 | 0 | 0 | 6 | 4 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | 5 | 0 | 0 | 5 | **6** | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| Total Volume | 24 | 0 | 2 | 26 | 17 | 11 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 16 |
| % App. Total | 92.3 | 0 | 7.7 | | 60.7 | 39.3 | 0 | | 0 | 0 | 0 | | 0 | 93.8 | 6.2 | |
| PHF | .857 | .000 | .250 | .813 | .708 | .458 | .000 | .875 | .000 | .000 | .000 | .000 | .000 | .536 | .250 | .500 |

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City of Menifee
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Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 5 |
| 07:15 AM | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 8 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 8 |
| Apprch % | 50 | 0 | 50 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 75 | 25 | | |
| Total % | 12.5 | 0 | 12.5 | 25 | 25 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 37.5 | 12.5 | 50 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | **1** | **1** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **3** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| % App. Total | 0 | 0 | 100 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .250 | .250 | .250 | .000 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .250 |

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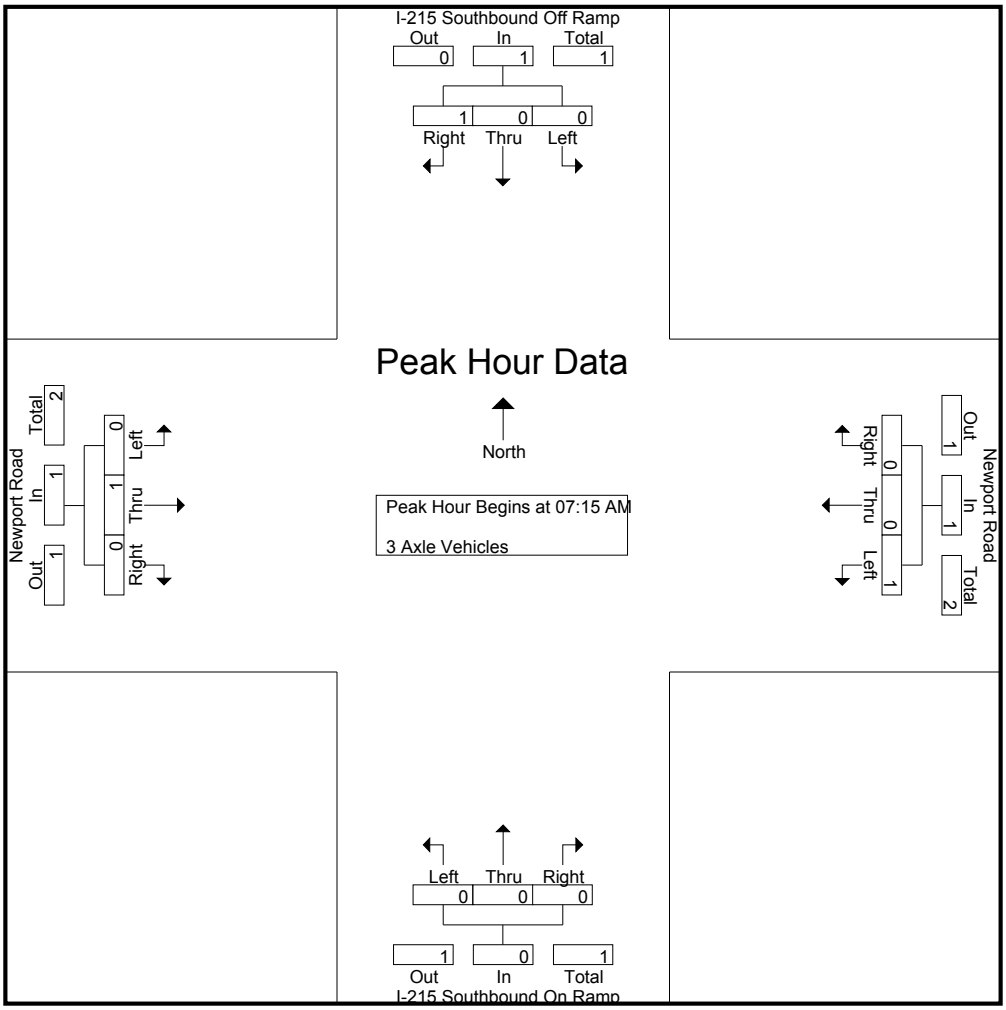
File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | **1** | **1** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 0 | 0 | 100 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .250 | .250 | .250 | .000 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
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E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 |
| 07:15 AM | 2 | 0 | 0 | 2 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 10 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:45 AM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 3 | 0 | 0 | 3 | 6 | 4 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 20 |
| 08:00 AM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:15 AM | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:30 AM | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:45 AM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 3 | 0 | 0 | 3 | 6 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Grand Total | 6 | 0 | 0 | 6 | 12 | 5 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 30 |
| Apprch % | 100 | 0 | 0 | | 70.6 | 29.4 | 0 | | 0 | 0 | 0 | | 0 | 42.9 | 57.1 | | |
| Total % | 20 | 0 | 0 | 20 | 40 | 16.7 | 0 | 56.7 | 0 | 0 | 0 | 0 | 0 | 10 | 13.3 | 23.3 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **2** | 0 | 0 | **2** | **2** | 1 | 0 | **3** | 0 | 0 | 0 | 0 | 0 | **2** | **3** | **5** | **10** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:45 AM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:00 AM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total Volume | 3 | 0 | 0 | 3 | 4 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 17 |
| % App. Total | 100 | 0 | 0 | | 44.4 | 55.6 | 0 | | 0 | 0 | 0 | | 0 | 40 | 60 | | |
| PHF | .375 | .000 | .000 | .375 | .500 | .417 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .250 | .425 |

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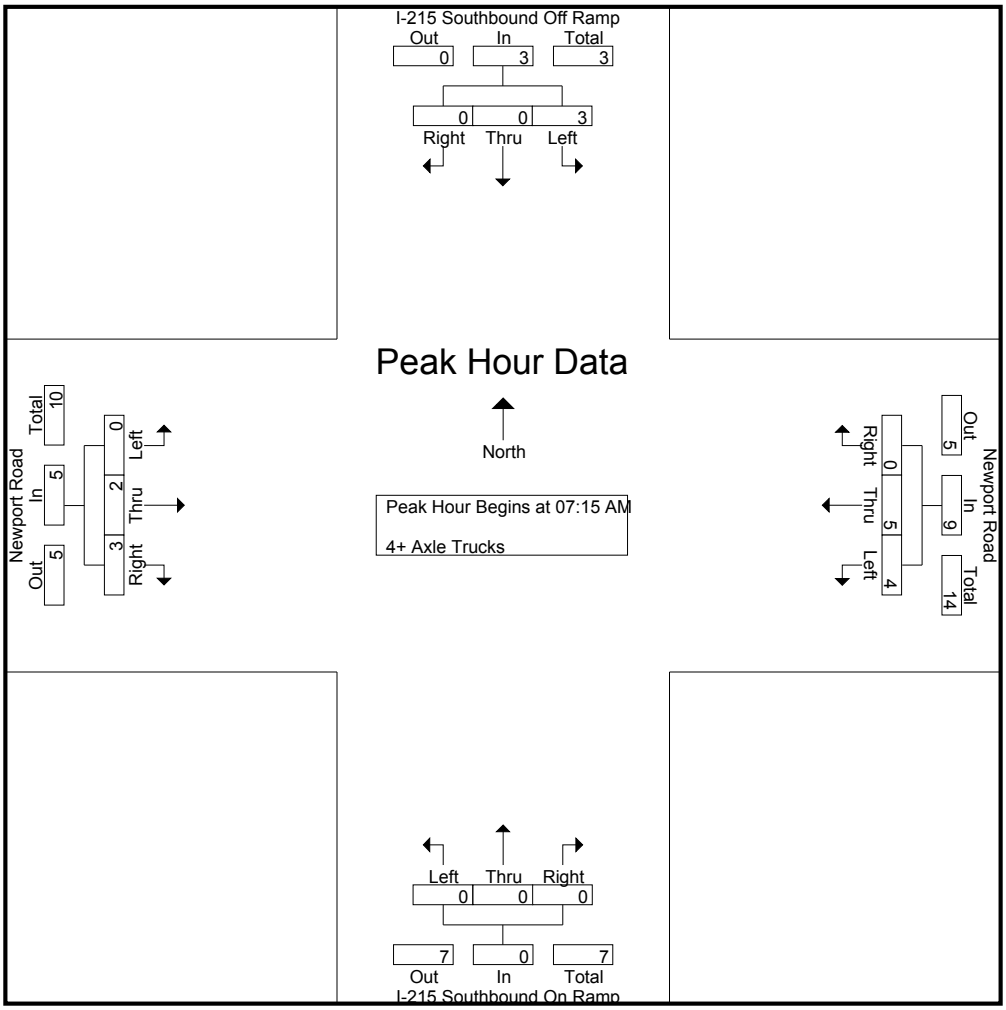
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **2** | 0 | 0 | **2** | **2** | 1 | 0 | **3** | 0 | 0 | 0 | 0 | 0 | **2** | **3** | **5** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 3 | 0 | 0 | 3 | 4 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 |
| % App. Total | 100 | 0 | 0 | | 44.4 | 55.6 | 0 | | 0 | 0 | 0 | | 0 | 40 | 60 | |
| PHF | .375 | .000 | .000 | .375 | .500 | .417 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .250 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 116 | 2 | 127 | 245 | 71 | 303 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 310 | 83 | 393 | 1012 |
| 04:15 PM | 127 | 1 | 125 | 253 | 106 | 329 | 0 | 435 | 0 | 0 | 0 | 0 | 0 | 284 | 88 | 372 | 1060 |
| 04:30 PM | 119 | 0 | 105 | 224 | 94 | 328 | 0 | 422 | 0 | 0 | 0 | 0 | 0 | 314 | 91 | 405 | 1051 |
| 04:45 PM | 132 | 0 | 114 | 246 | 87 | 338 | 0 | 425 | 0 | 0 | 0 | 0 | 0 | 258 | 70 | 328 | 999 |
| Total | 494 | 3 | 471 | 968 | 358 | 1298 | 0 | 1656 | 0 | 0 | 0 | 0 | 0 | 1166 | 332 | 1498 | 4122 |
| 05:00 PM | 134 | 1 | 137 | 272 | 61 | 293 | 0 | 354 | 0 | 0 | 0 | 0 | 0 | 334 | 92 | 426 | 1052 |
| 05:15 PM | 116 | 1 | 129 | 246 | 119 | 327 | 0 | 446 | 0 | 0 | 0 | 0 | 0 | 265 | 85 | 350 | 1042 |
| 05:30 PM | 107 | 0 | 121 | 228 | 102 | 305 | 0 | 407 | 0 | 0 | 0 | 0 | 0 | 309 | 89 | 398 | 1033 |
| 05:45 PM | 121 | 0 | 114 | 235 | 85 | 314 | 0 | 399 | 0 | 0 | 0 | 0 | 0 | 247 | 88 | 335 | 969 |
| Total | 478 | 2 | 501 | 981 | 367 | 1239 | 0 | 1606 | 0 | 0 | 0 | 0 | 0 | 1155 | 354 | 1509 | 4096 |
| Grand Total | 972 | 5 | 972 | 1949 | 725 | 2537 | 0 | 3262 | 0 | 0 | 0 | 0 | 0 | 2321 | 686 | 3007 | 8218 |
| Apprch % | 49.9 | 0.3 | 49.9 | | 22.2 | 77.8 | 0 | | 0 | 0 | 0 | | 0 | 77.2 | 22.8 | | |
| Total % | 11.8 | 0.1 | 11.8 | 23.7 | 8.8 | 30.9 | 0 | 39.7 | 0 | 0 | 0 | 0 | 0 | 28.2 | 8.3 | 36.6 | |
| Passenger Vehicles | 962 | 4 | 958 | 1924 | 715 | 2519 | 0 | 3234 | 0 | 0 | 0 | 0 | 0 | 2296 | 683 | 2979 | 8137 |
| % Passenger Vehicles | 99 | 80 | 98.6 | 98.7 | 98.6 | 99.3 | 0 | 99.1 | 0 | 0 | 0 | 0 | 0 | 98.9 | 99.6 | 99.1 | 99 |
| Large 2 Axle Vehicles | 10 | 1 | 8 | 19 | 6 | 18 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 20 | 63 |
| % Large 2 Axle Vehicles | 1 | 20 | 0.8 | 1 | 0.8 | 0.7 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.4 | 0.7 | 0.8 |
| 3 Axle Vehicles | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| % 3 Axle Vehicles | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 |
| 4+ Axle Trucks | 0 | 0 | 5 | 5 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 14 |
| % 4+ Axle Trucks | 0 | 0 | 0.5 | 0.3 | 0.6 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.2 | 0.2 |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 127 | **1** | 125 | 253 | **106** | 329 | 0 | **435** | 0 | 0 | 0 | 0 | 0 | 284 | 88 | 372 | **1060** |
| 04:30 PM | 119 | 0 | 105 | 224 | 94 | 328 | 0 | 422 | 0 | 0 | 0 | 0 | 0 | 314 | 91 | 405 | 1051 |
| 04:45 PM | 132 | 0 | 114 | 246 | 87 | **338** | 0 | 425 | 0 | 0 | 0 | 0 | 0 | 258 | 70 | 328 | 999 |
| 05:00 PM | **134** | 1 | **137** | **272** | 61 | 293 | 0 | 354 | 0 | 0 | 0 | 0 | 0 | **334** | **92** | **426** | 1052 |
| Total Volume | 512 | 2 | 481 | 995 | 348 | 1288 | 0 | 1636 | 0 | 0 | 0 | 0 | 0 | 1190 | 341 | 1531 | 4162 |
| % App. Total | 51.5 | 0.2 | 48.3 | | 21.3 | 78.7 | 0 | | 0 | 0 | 0 | | 0 | 77.7 | 22.3 | | |
| PHF | .955 | .500 | .878 | .915 | .821 | .953 | .000 | .940 | .000 | .000 | .000 | .000 | .000 | .891 | .927 | .898 | .982 |

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File Name : MEN215SNEPM
Site Code : 00000028
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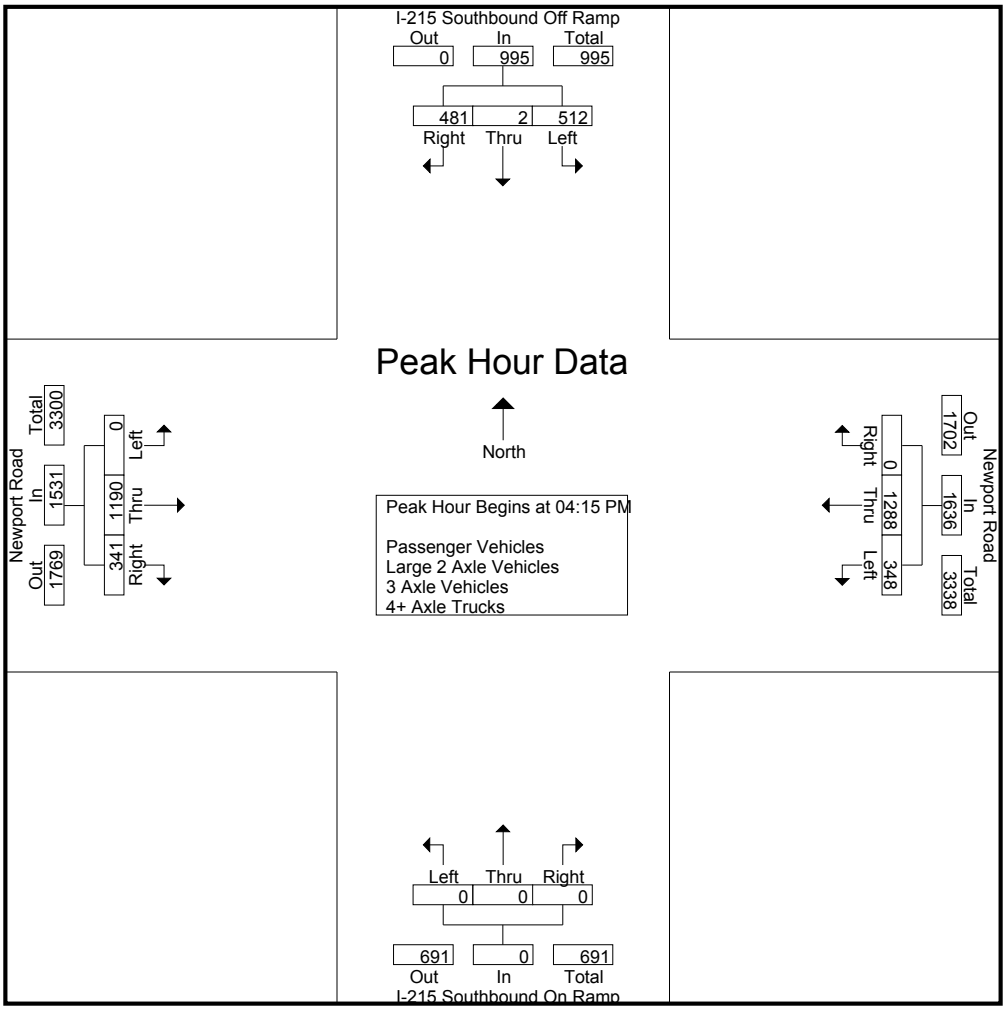
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 127 | **1** | 125 | 253 | 71 | 303 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 284 | 88 | 372 |
| +15 mins. | 119 | 0 | 105 | 224 | **106** | 329 | 0 | **435** | 0 | 0 | 0 | 0 | 0 | 314 | 91 | 405 |
| +30 mins. | 132 | 0 | 114 | 246 | 94 | 328 | 0 | 422 | 0 | 0 | 0 | 0 | 0 | 258 | 70 | 328 |
| +45 mins. | **134** | 1 | **137** | **272** | 87 | **338** | 0 | 425 | 0 | 0 | 0 | 0 | 0 | **334** | **92** | **426** |
| Total Volume | 512 | 2 | 481 | 995 | 358 | 1298 | 0 | 1656 | 0 | 0 | 0 | 0 | 0 | 1190 | 341 | 1531 |
| % App. Total | 51.5 | 0.2 | 48.3 | | 21.6 | 78.4 | 0 | | 0 | 0 | 0 | | 0 | 77.7 | 22.3 | |
| PHF | .955 | .500 | .878 | .915 | .844 | .960 | .000 | .952 | .000 | .000 | .000 | .000 | .000 | .891 | .927 | .898 |

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E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 115 | 2 | 122 | 239 | 67 | 298 | 0 | 365 | 0 | 0 | 0 | 0 | 0 | 302 | 83 | 385 | 989 |
| 04:15 PM | 126 | 0 | 124 | 250 | 106 | 326 | 0 | 432 | 0 | 0 | 0 | 0 | 0 | 283 | 88 | 371 | 1053 |
| 04:30 PM | 118 | 0 | 105 | 223 | 94 | 325 | 0 | 419 | 0 | 0 | 0 | 0 | 0 | 312 | 91 | 403 | 1045 |
| 04:45 PM | 129 | 0 | 113 | 242 | 86 | 337 | 0 | 423 | 0 | 0 | 0 | 0 | 0 | 252 | 70 | 322 | 987 |
| Total | 488 | 2 | 464 | 954 | 353 | 1286 | 0 | 1639 | 0 | 0 | 0 | 0 | 0 | 1149 | 332 | 1481 | 4074 |
| 05:00 PM | 132 | 1 | 136 | 269 | 60 | 292 | 0 | 352 | 0 | 0 | 0 | 0 | 0 | 333 | 91 | 424 | 1045 |
| 05:15 PM | 114 | 1 | 125 | 240 | 117 | 324 | 0 | 441 | 0 | 0 | 0 | 0 | 0 | 264 | 85 | 349 | 1030 |
| 05:30 PM | 107 | 0 | 119 | 226 | 102 | 303 | 0 | 405 | 0 | 0 | 0 | 0 | 0 | 306 | 89 | 395 | 1026 |
| 05:45 PM | 121 | 0 | 114 | 235 | 83 | 314 | 0 | 397 | 0 | 0 | 0 | 0 | 0 | 244 | 86 | 330 | 962 |
| Total | 474 | 2 | 494 | 970 | 362 | 1233 | 0 | 1595 | 0 | 0 | 0 | 0 | 0 | 1147 | 351 | 1498 | 4063 |
| Grand Total | 962 | 4 | 958 | 1924 | 715 | 2519 | 0 | 3234 | 0 | 0 | 0 | 0 | 0 | 2296 | 683 | 2979 | 8137 |
| Apprch % | 50 | 0.2 | 49.8 | | 22.1 | 77.9 | 0 | | 0 | 0 | 0 | | 0 | 77.1 | 22.9 | | |
| Total % | 11.8 | 0 | 11.8 | 23.6 | 8.8 | 31 | 0 | 39.7 | 0 | 0 | 0 | 0 | 0 | 28.2 | 8.4 | 36.6 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 126 | 0 | 124 | 250 | **106** | 326 | 0 | **432** | 0 | 0 | 0 | 0 | 0 | 283 | 88 | 371 | **1053** |
| 04:30 PM | 118 | 0 | 105 | 223 | 94 | 325 | 0 | 419 | 0 | 0 | 0 | 0 | 0 | 312 | **91** | 403 | 1045 |
| 04:45 PM | 129 | 0 | 113 | 242 | 86 | **337** | 0 | 423 | 0 | 0 | 0 | 0 | 0 | 252 | 70 | 322 | 987 |
| 05:00 PM | **132** | **1** | **136** | **269** | 60 | 292 | 0 | 352 | 0 | 0 | 0 | 0 | 0 | **333** | 91 | **424** | 1045 |
| Total Volume | 505 | 1 | 478 | 984 | 346 | 1280 | 0 | 1626 | 0 | 0 | 0 | 0 | 0 | 1180 | 340 | 1520 | 4130 |
| % App. Total | 51.3 | 0.1 | 48.6 | | 21.3 | 78.7 | 0 | | 0 | 0 | 0 | | 0 | 77.6 | 22.4 | | |
| PHF | .956 | .250 | .879 | .914 | .816 | .950 | .000 | .941 | .000 | .000 | .000 | .000 | .000 | .886 | .934 | .896 | .981 |

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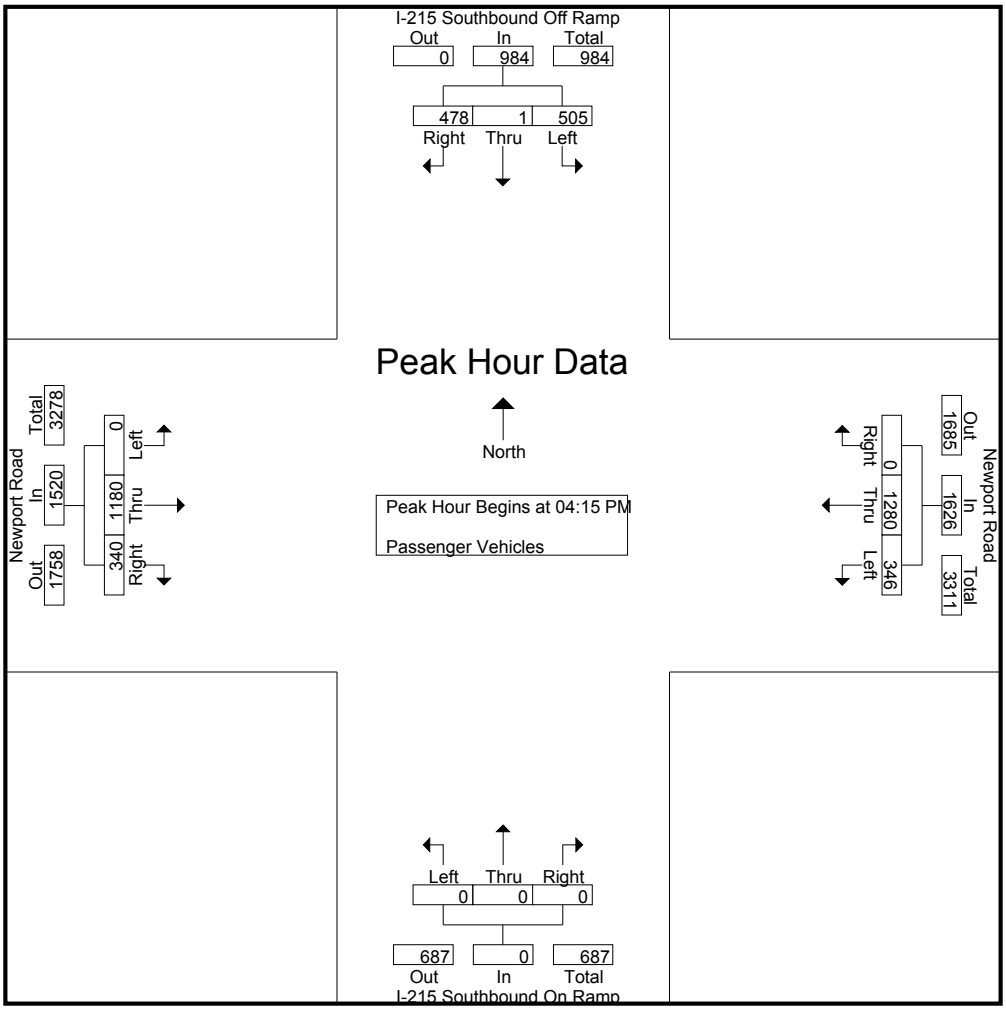
(951) 268-6268

City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 126 | 0 | 124 | 250 | **106** | 326 | 0 | **432** | 0 | 0 | 0 | 0 | 0 | 283 | 88 | 371 |
| +15 mins. | 118 | 0 | 105 | 223 | 94 | 325 | 0 | 419 | 0 | 0 | 0 | 0 | 0 | 312 | **91** | 403 |
| +30 mins. | 129 | 0 | 113 | 242 | 86 | **337** | 0 | 423 | 0 | 0 | 0 | 0 | 0 | 252 | 70 | 322 |
| +45 mins. | **132** | **1** | **136** | **269** | 60 | 292 | 0 | 352 | 0 | 0 | 0 | 0 | 0 | **333** | 91 | **424** |
| Total Volume | 505 | 1 | 478 | 984 | 346 | 1280 | 0 | 1626 | 0 | 0 | 0 | 0 | 0 | 1180 | 340 | 1520 |
| % App. Total | 51.3 | 0.1 | 48.6 | | 21.3 | 78.7 | 0 | | 0 | 0 | 0 | | 0 | 77.6 | 22.4 | |
| PHF | .956 | .250 | .879 | .914 | .816 | .950 | .000 | .941 | .000 | .000 | .000 | .000 | .000 | .886 | .934 | .896 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 1 | 0 | 3 | 4 | 3 | 5 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 16 |
| 04:15 PM | 1 | 1 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| 04:30 PM | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| 04:45 PM | 3 | 0 | 1 | 4 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 11 |
| Total | 6 | 1 | 4 | 11 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 38 |
| 05:00 PM | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| 05:15 PM | 2 | 0 | 2 | 4 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 9 |
| 05:30 PM | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 7 |
| 05:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 5 |
| Total | 4 | 0 | 4 | 8 | 2 | 6 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 9 | 25 |
| Grand Total | 10 | 1 | 8 | 19 | 6 | 18 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 20 | 63 |
| Apprch % | 52.6 | 5.3 | 42.1 | | 25 | 75 | 0 | | 0 | 0 | 0 | | 0 | 85 | 15 | | |
| Total % | 15.9 | 1.6 | 12.7 | 30.2 | 9.5 | 28.6 | 0 | 38.1 | 0 | 0 | 0 | 0 | 0 | 27 | 4.8 | 31.7 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 1 | **1** | 0 | 2 | 0 | **3** | 0 | **3** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| 04:30 PM | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| 04:45 PM | **3** | 0 | **1** | **4** | **1** | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** | **11** |
| 05:00 PM | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 4 |
| Total Volume | 7 | 1 | 1 | 9 | 1 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 26 |
| % App. Total | 77.8 | 11.1 | 11.1 | | 11.1 | 88.9 | 0 | | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | | |
| PHF | .583 | .250 | .250 | .563 | .250 | .667 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .350 | .250 | .400 | .591 |

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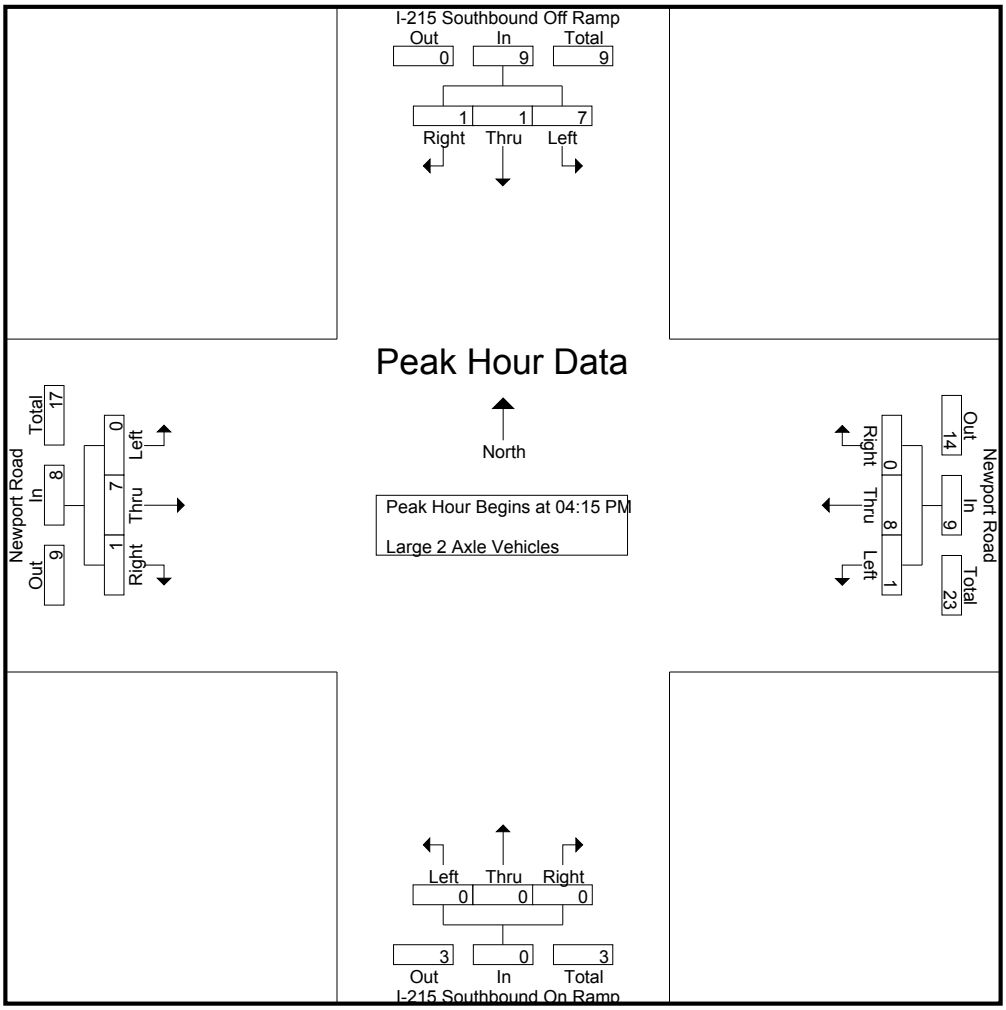
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | **1** | 0 | 2 | 0 | **3** | 0 | **3** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +15 mins. | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +30 mins. | **3** | 0 | **1** | **4** | **1** | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** |
| +45 mins. | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 |
| Total Volume | 7 | 1 | 1 | 9 | 1 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 |
| % App. Total | 77.8 | 11.1 | 11.1 | | 11.1 | 88.9 | 0 | | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | |
| PHF | .583 | .250 | .250 | .563 | .250 | .667 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .350 | .250 | .400 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Grand Total | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| Apprch % | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 75 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .250 |

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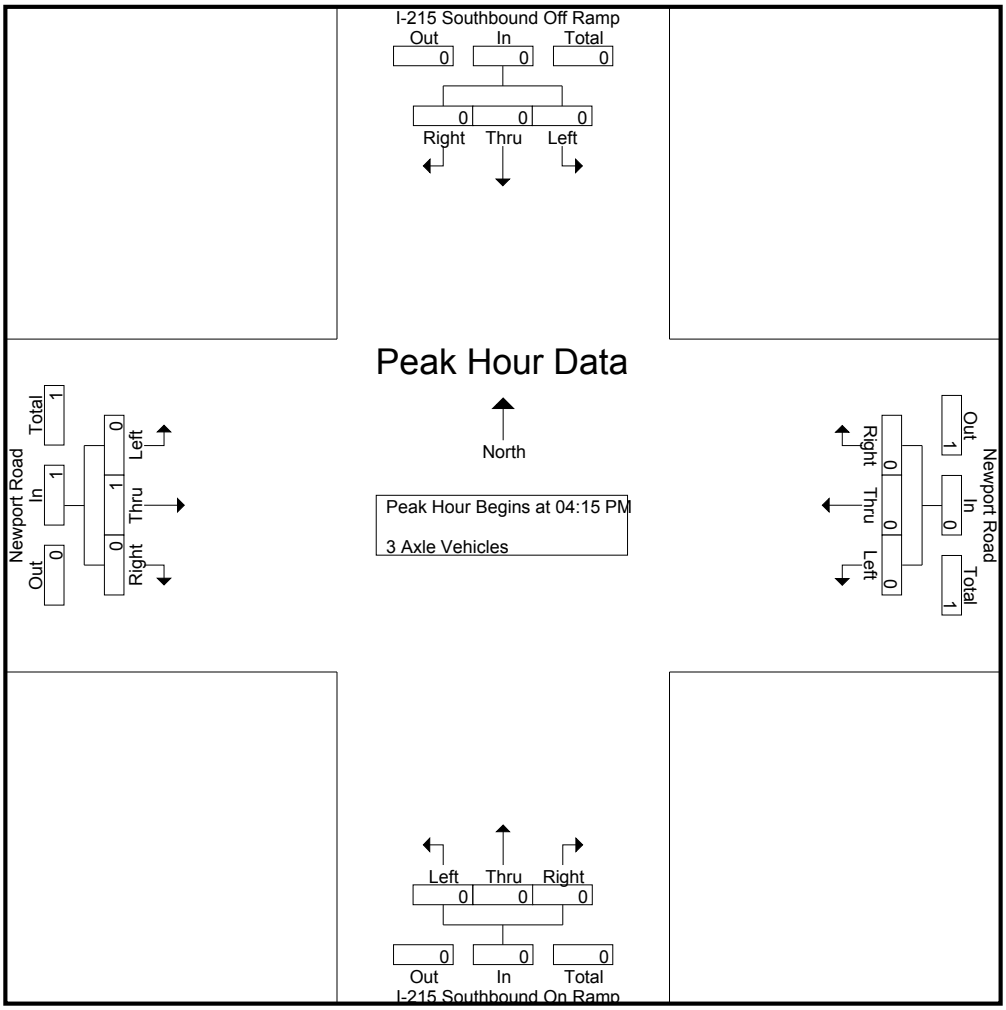
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 |
| 04:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 8 |
| 05:00 PM | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 05:15 PM | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| Grand Total | 0 | 0 | 5 | 5 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 14 |
| Apprch % | 0 | 0 | 100 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 35.7 | 35.7 | 28.6 | 0 | 0 | 28.6 | 0 | 0 | 0 | 0 | 0 | 35.7 | 0 | 35.7 | |

| | I-215 Southbound Off Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | | | | | | | | |
| 04:15 PM | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 PM | 0 | 0 | 1 | 1 | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | **3** |
| Total Volume | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 5 |
| % App. Total | 0 | 0 | 100 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .500 | .500 | .250 | .000 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .417 |

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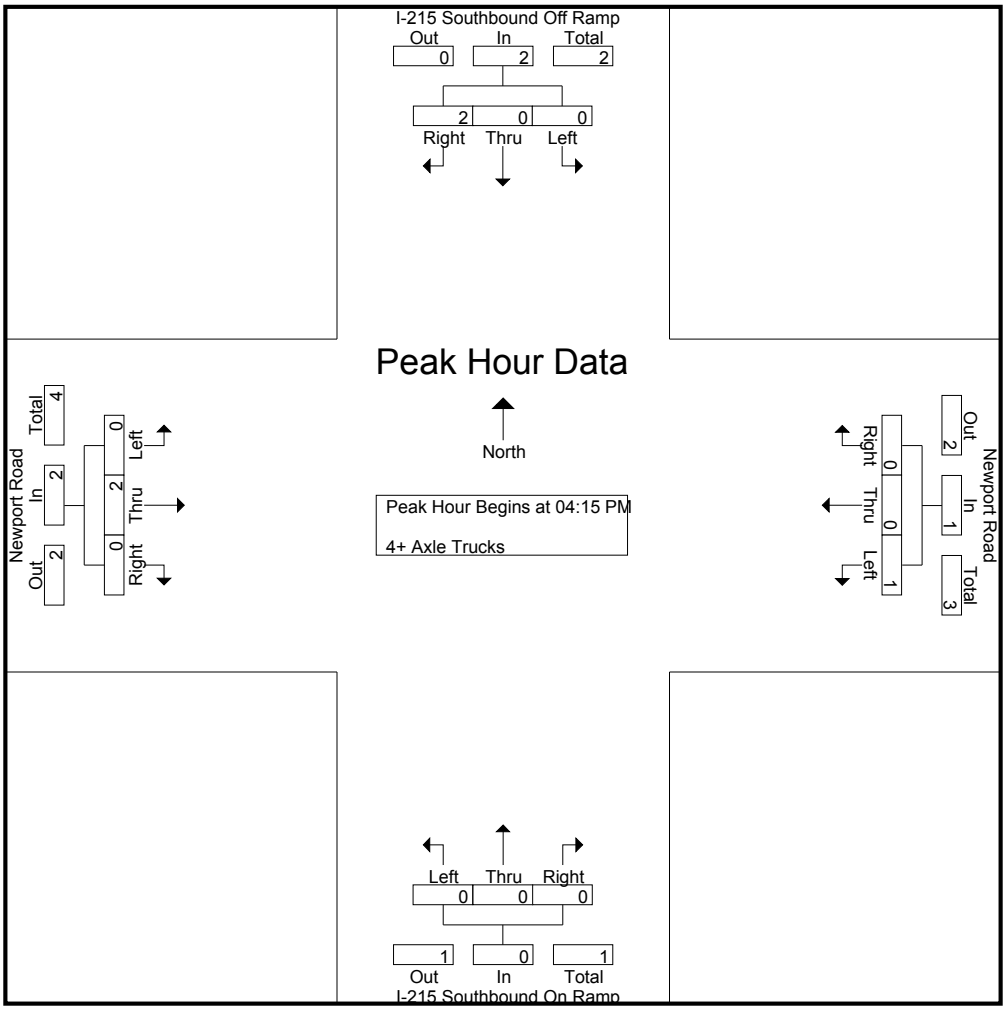
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215SNEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 1 | 1 | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Volume | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 0 | 0 | 100 | | 100 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .500 | .500 | .250 | .000 | .000 | .250 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 51 | 2 | 36 | 89 | 123 | 92 | 0 | 215 | 0 | 0 | 0 | 0 | 0 | 93 | 47 | 140 | 444 |
| 07:15 AM | 63 | 1 | 23 | 87 | 125 | 108 | 0 | 233 | 0 | 0 | 0 | 0 | 0 | 83 | 52 | 135 | 455 |
| 07:30 AM | 77 | 0 | 16 | 93 | 102 | 115 | 0 | 217 | 0 | 0 | 0 | 0 | 0 | 81 | 81 | 162 | 472 |
| 07:45 AM | 72 | 0 | 21 | 93 | 113 | 112 | 0 | 225 | 0 | 0 | 0 | 0 | 0 | 101 | 101 | 202 | 520 |
| Total | 263 | 3 | 96 | 362 | 463 | 427 | 0 | 890 | 0 | 0 | 0 | 0 | 0 | 358 | 281 | 639 | 1891 |
| 08:00 AM | 69 | 0 | 18 | 87 | 108 | 91 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 76 | 77 | 153 | 439 |
| 08:15 AM | 68 | 0 | 14 | 82 | 118 | 92 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 98 | 72 | 170 | 462 |
| 08:30 AM | 73 | 0 | 22 | 95 | 125 | 91 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 97 | 66 | 163 | 474 |
| 08:45 AM | 74 | 6 | 28 | 108 | 98 | 115 | 0 | 213 | 0 | 0 | 0 | 0 | 0 | 79 | 51 | 130 | 451 |
| Total | 284 | 6 | 82 | 372 | 449 | 389 | 0 | 838 | 0 | 0 | 0 | 0 | 0 | 350 | 266 | 616 | 1826 |
| Grand Total | 547 | 9 | 178 | 734 | 912 | 816 | 0 | 1728 | 0 | 0 | 0 | 0 | 0 | 708 | 547 | 1255 | 3717 |
| Apprch % | 74.5 | 1.2 | 24.3 | | 52.8 | 47.2 | 0 | | 0 | 0 | 0 | | 0 | 56.4 | 43.6 | | |
| Total % | 14.7 | 0.2 | 4.8 | 19.7 | 24.5 | 22 | 0 | 46.5 | 0 | 0 | 0 | 0 | 0 | 19 | 14.7 | 33.8 | |
| Passenger Vehicles | 525 | 9 | 167 | 701 | 899 | 785 | 0 | 1684 | 0 | 0 | 0 | 0 | 0 | 670 | 525 | 1195 | 3580 |
| % Passenger Vehicles | 96 | 100 | 93.8 | 95.5 | 98.6 | 96.2 | 0 | 97.5 | 0 | 0 | 0 | 0 | 0 | 94.6 | 96 | 95.2 | 96.3 |
| Large 2 Axle Vehicles | 14 | 0 | 6 | 20 | 8 | 22 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 23 | 13 | 36 | 86 |
| % Large 2 Axle Vehicles | 2.6 | 0 | 3.4 | 2.7 | 0.9 | 2.7 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 3.2 | 2.4 | 2.9 | 2.3 |
| 3 Axle Vehicles | 4 | 0 | 0 | 4 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 5 | 15 | 22 |
| % 3 Axle Vehicles | 0.7 | 0 | 0 | 0.5 | 0.1 | 0.2 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0.9 | 1.2 | 0.6 |
| 4+ Axle Trucks | 4 | 0 | 5 | 9 | 4 | 7 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | 29 |
| % 4+ Axle Trucks | 0.7 | 0 | 2.8 | 1.2 | 0.4 | 0.9 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.8 |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 72 | 0 | 21 | 93 | 113 | **112** | 0 | **225** | 0 | 0 | 0 | 0 | 0 | **101** | **101** | **202** | **520** |
| 08:00 AM | 69 | 0 | 18 | 87 | 108 | 91 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 76 | 77 | 153 | 439 |
| 08:15 AM | 68 | 0 | 14 | 82 | 118 | 92 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 98 | 72 | 170 | 462 |
| 08:30 AM | **73** | 0 | **22** | **95** | **125** | 91 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 97 | 66 | 163 | 474 |
| Total Volume | 282 | 0 | 75 | 357 | 464 | 386 | 0 | 850 | 0 | 0 | 0 | 0 | 0 | 372 | 316 | 688 | 1895 |
| % App. Total | 79 | 0 | 21 | | 54.6 | 45.4 | 0 | | 0 | 0 | 0 | | 0 | 54.1 | 45.9 | | |
| PHF | .966 | .000 | .852 | .939 | .928 | .862 | .000 | .944 | .000 | .000 | .000 | .000 | .000 | .921 | .782 | .851 | .911 |

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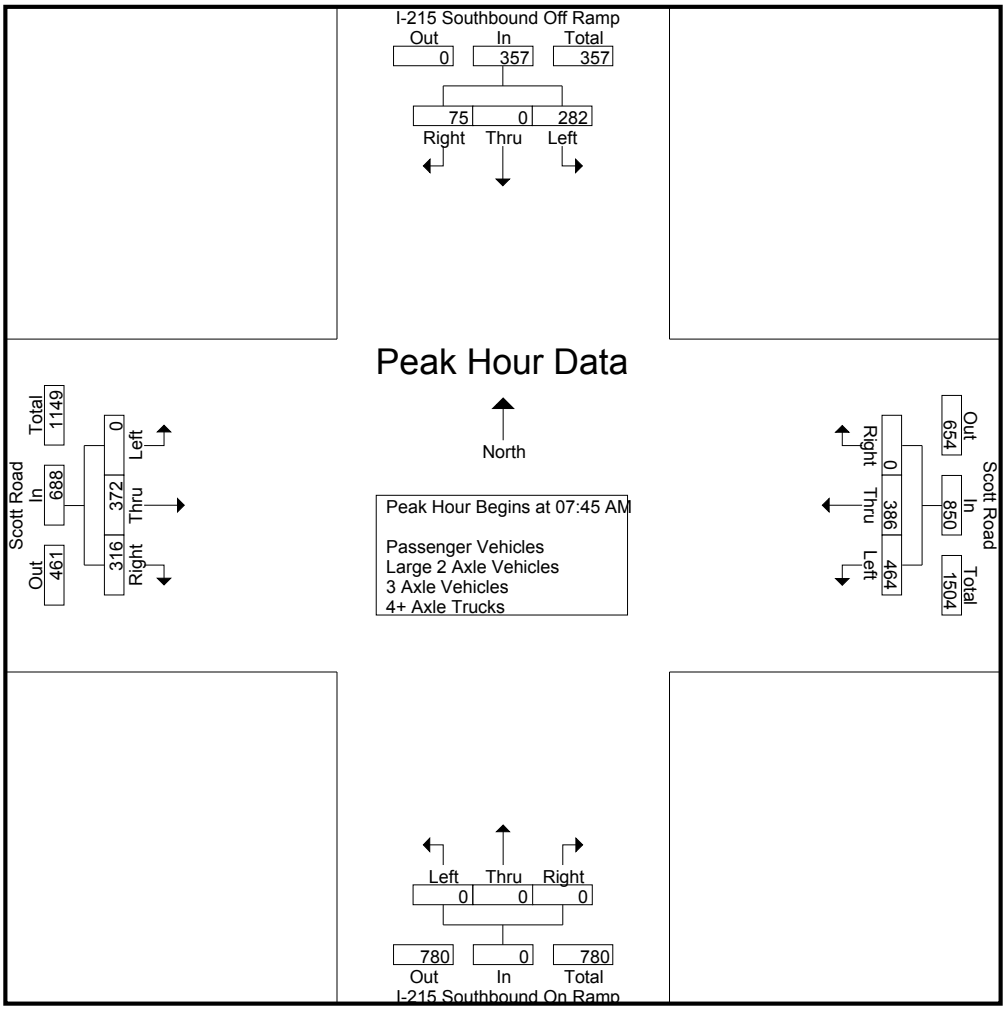
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 69 | 0 | 18 | 87 | 123 | 92 | 0 | 215 | 0 | 0 | 0 | 0 | 0 | **101** | **101** | **202** |
| +15 mins. | 68 | 0 | 14 | 82 | **125** | 108 | 0 | **233** | 0 | 0 | 0 | 0 | 0 | 76 | 77 | 153 |
| +30 mins. | 73 | 0 | 22 | 95 | 102 | **115** | 0 | 217 | 0 | 0 | 0 | 0 | 0 | 98 | 72 | 170 |
| +45 mins. | **74** | **6** | **28** | **108** | 113 | 112 | 0 | 225 | 0 | 0 | 0 | 0 | 0 | 97 | 66 | 163 |
| Total Volume | 284 | 6 | 82 | 372 | 463 | 427 | 0 | 890 | 0 | 0 | 0 | 0 | 0 | 372 | 316 | 688 |
| % App. Total | 76.3 | 1.6 | 22 | | 52 | 48 | 0 | | 0 | 0 | 0 | | 0 | 54.1 | 45.9 | |
| PHF | .959 | .250 | .732 | .861 | .926 | .928 | .000 | .955 | .000 | .000 | .000 | .000 | .000 | .921 | .782 | .851 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 48 | 2 | 33 | 83 | 119 | 90 | 0 | 209 | 0 | 0 | 0 | 0 | 0 | 88 | 46 | 134 | 426 |
| 07:15 AM | 57 | 1 | 21 | 79 | 123 | 107 | 0 | 230 | 0 | 0 | 0 | 0 | 0 | 80 | 51 | 131 | 440 |
| 07:30 AM | 74 | 0 | 15 | 89 | 102 | 108 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 78 | 75 | 153 | 452 |
| 07:45 AM | 68 | 0 | 19 | 87 | 112 | 107 | 0 | 219 | 0 | 0 | 0 | 0 | 0 | 97 | 96 | 193 | 499 |
| Total | 247 | 3 | 88 | 338 | 456 | 412 | 0 | 868 | 0 | 0 | 0 | 0 | 0 | 343 | 268 | 611 | 1817 |
| 08:00 AM | 66 | 0 | 18 | 84 | 106 | 90 | 0 | 196 | 0 | 0 | 0 | 0 | 0 | 73 | 75 | 148 | 428 |
| 08:15 AM | 66 | 0 | 14 | 80 | 116 | 88 | 0 | 204 | 0 | 0 | 0 | 0 | 0 | 93 | 71 | 164 | 448 |
| 08:30 AM | 72 | 0 | 21 | 93 | 124 | 86 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 87 | 63 | 150 | 453 |
| 08:45 AM | 74 | 6 | 26 | 106 | 97 | 109 | 0 | 206 | 0 | 0 | 0 | 0 | 0 | 74 | 48 | 122 | 434 |
| Total | 278 | 6 | 79 | 363 | 443 | 373 | 0 | 816 | 0 | 0 | 0 | 0 | 0 | 327 | 257 | 584 | 1763 |
| Grand Total | 525 | 9 | 167 | 701 | 899 | 785 | 0 | 1684 | 0 | 0 | 0 | 0 | 0 | 670 | 525 | 1195 | 3580 |
| Apprch % | 74.9 | 1.3 | 23.8 | | 53.4 | 46.6 | 0 | | 0 | 0 | 0 | | 0 | 56.1 | 43.9 | | |
| Total % | 14.7 | 0.3 | 4.7 | 19.6 | 25.1 | 21.9 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 18.7 | 14.7 | 33.4 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 68 | 0 | 19 | 87 | 112 | **107** | 0 | **219** | 0 | 0 | 0 | 0 | 0 | **97** | **96** | **193** | **499** |
| 08:00 AM | 66 | 0 | 18 | 84 | 106 | 90 | 0 | 196 | 0 | 0 | 0 | 0 | 0 | 73 | 75 | 148 | 428 |
| 08:15 AM | 66 | 0 | 14 | 80 | 116 | 88 | 0 | 204 | 0 | 0 | 0 | 0 | 0 | 93 | 71 | 164 | 448 |
| 08:30 AM | **72** | 0 | **21** | **93** | **124** | 86 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 87 | 63 | 150 | 453 |
| Total Volume | 272 | 0 | 72 | 344 | 458 | 371 | 0 | 829 | 0 | 0 | 0 | 0 | 0 | 350 | 305 | 655 | 1828 |
| % App. Total | 79.1 | 0 | 20.9 | | 55.2 | 44.8 | 0 | | 0 | 0 | 0 | | 0 | 53.4 | 46.6 | | |
| PHF | .944 | .000 | .857 | .925 | .923 | .867 | .000 | .946 | .000 | .000 | .000 | .000 | .000 | .902 | .794 | .848 | .916 |

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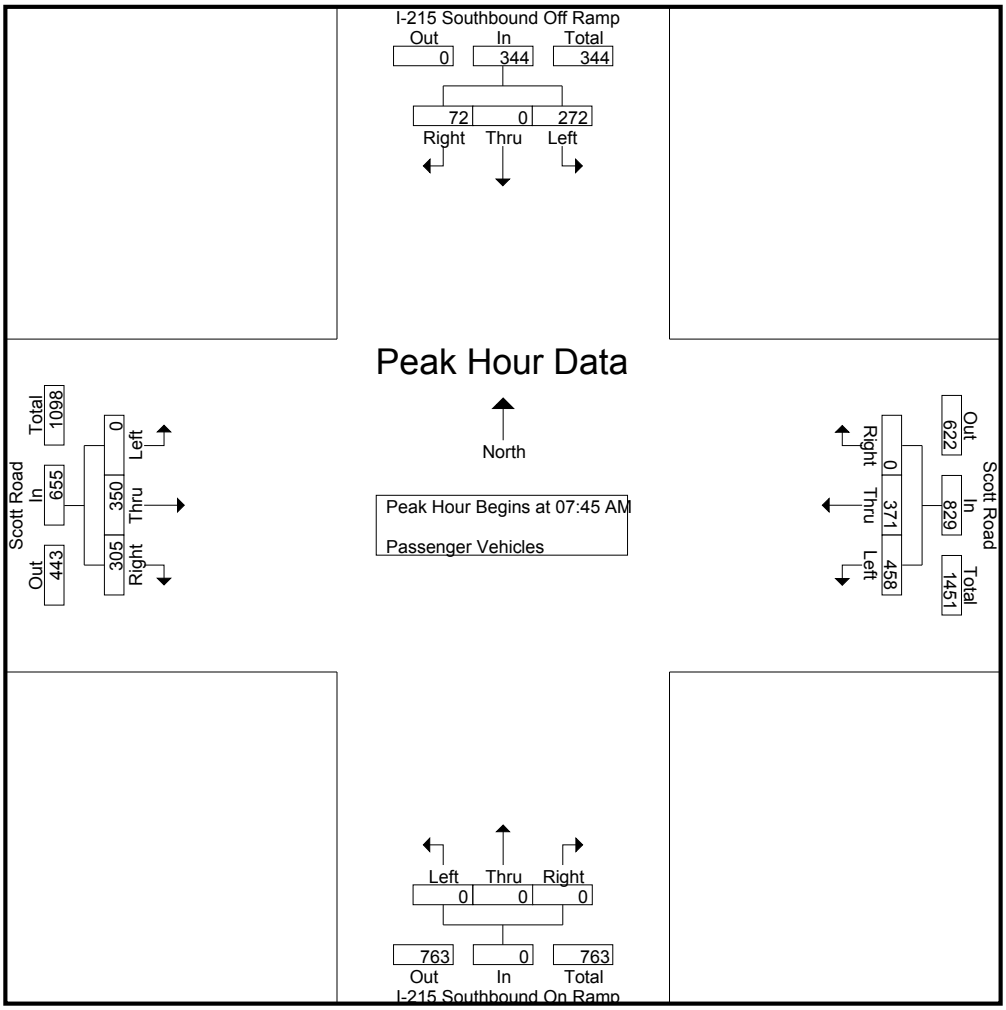
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 68 | 0 | 19 | 87 | 112 | **107** | 0 | **219** | 0 | 0 | 0 | 0 | 0 | **97** | **96** | **193** |
| +15 mins. | 66 | 0 | 18 | 84 | 106 | 90 | 0 | 196 | 0 | 0 | 0 | 0 | 0 | 73 | 75 | 148 |
| +30 mins. | 66 | 0 | 14 | 80 | 116 | 88 | 0 | 204 | 0 | 0 | 0 | 0 | 0 | 93 | 71 | 164 |
| +45 mins. | **72** | 0 | **21** | **93** | **124** | 86 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 87 | 63 | 150 |
| Total Volume | 272 | 0 | 72 | 344 | 458 | 371 | 0 | 829 | 0 | 0 | 0 | 0 | 0 | 350 | 305 | 655 |
| % App. Total | 79.1 | 0 | 20.9 | | 55.2 | 44.8 | 0 | | 0 | 0 | 0 | | 0 | 53.4 | 46.6 | |
| PHF | .944 | .000 | .857 | .925 | .923 | .867 | .000 | .946 | .000 | .000 | .000 | .000 | .000 | .902 | .794 | .848 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 2 | 0 | 3 | 5 | 3 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 14 |
| 07:15 AM | 4 | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 9 |
| 07:30 AM | 2 | 0 | 1 | 3 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 9 | 16 |
| 07:45 AM | 2 | 0 | 0 | 2 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 10 |
| Total | 10 | 0 | 4 | 14 | 5 | 10 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 20 | 49 |
| 08:00 AM | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 7 |
| 08:15 AM | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:30 AM | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 14 |
| 08:45 AM | 0 | 0 | 2 | 2 | 1 | 5 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 13 |
| Total | 4 | 0 | 2 | 6 | 3 | 12 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 13 | 3 | 16 | 37 |
| Grand Total | 14 | 0 | 6 | 20 | 8 | 22 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 23 | 13 | 36 | 86 |
| Apprch % | 70 | 0 | 30 | | 26.7 | 73.3 | 0 | | 0 | 0 | 0 | | 0 | 63.9 | 36.1 | | |
| Total % | 16.3 | 0 | 7 | 23.3 | 9.3 | 25.6 | 0 | 34.9 | 0 | 0 | 0 | 0 | 0 | 26.7 | 15.1 | 41.9 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **2** | 0 | 0 | **2** | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | **2** | 4 | 10 |
| 08:00 AM | 2 | 0 | 0 | 2 | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 7 |
| 08:15 AM | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:30 AM | 1 | 0 | 0 | 1 | 0 | **5** | 0 | **5** | 0 | 0 | 0 | 0 | 0 | **7** | 1 | **8** | **14** |
| Total Volume | 6 | 0 | 0 | 6 | 3 | 10 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 15 | 34 |
| % App. Total | 100 | 0 | 0 | | 23.1 | 76.9 | 0 | | 0 | 0 | 0 | | 0 | 73.3 | 26.7 | | |
| PHF | .750 | .000 | .000 | .750 | .375 | .500 | .000 | .650 | .000 | .000 | .000 | .000 | .000 | .393 | .500 | .469 | .607 |

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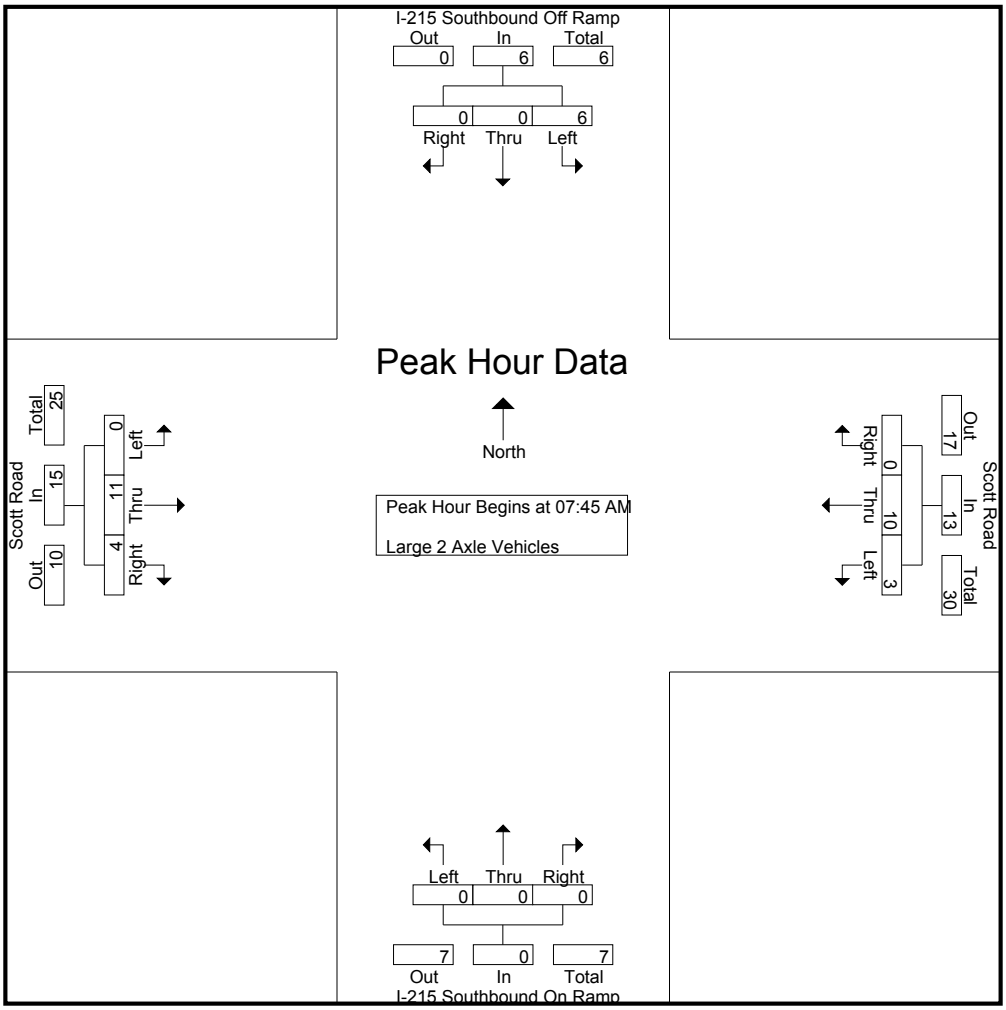
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **2** | 0 | 0 | **2** | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | **2** | 4 |
| +15 mins. | 2 | 0 | 0 | 2 | **2** | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| +30 mins. | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 1 | 0 | 0 | 1 | 0 | **5** | 0 | **5** | 0 | 0 | 0 | 0 | 0 | **7** | 1 | **8** |
| Total Volume | 6 | 0 | 0 | 6 | 3 | 10 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 15 |
| % App. Total | 100 | 0 | 0 | | 23.1 | 76.9 | 0 | | 0 | 0 | 0 | | 0 | 73.3 | 26.7 | |
| PHF | .750 | .000 | .000 | .750 | .375 | .500 | .000 | .650 | .000 | .000 | .000 | .000 | .000 | .393 | .500 | .469 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| 07:15 AM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:30 AM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:45 AM | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 6 |
| Total | 3 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 10 |
| 08:00 AM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 4 |
| 08:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 |
| Total | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 9 | 12 |
| Grand Total | 4 | 0 | 0 | 4 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 5 | 15 | 22 |
| Apprch % | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 66.7 | 33.3 | | |
| Total % | 18.2 | 0 | 0 | 18.2 | 4.5 | 9.1 | 0 | 13.6 | 0 | 0 | 0 | 0 | 0 | 45.5 | 22.7 | 68.2 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **1** | 0 | 0 | **1** | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 2 | **2** | **4** | **6** |
| 08:00 AM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 4 |
| 08:30 AM | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 | 4 |
| Total Volume | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 11 | 16 |
| % App. Total | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 72.7 | 27.3 | | |
| PHF | .500 | .000 | .000 | .500 | .250 | .500 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .667 | .375 | .688 | .667 |

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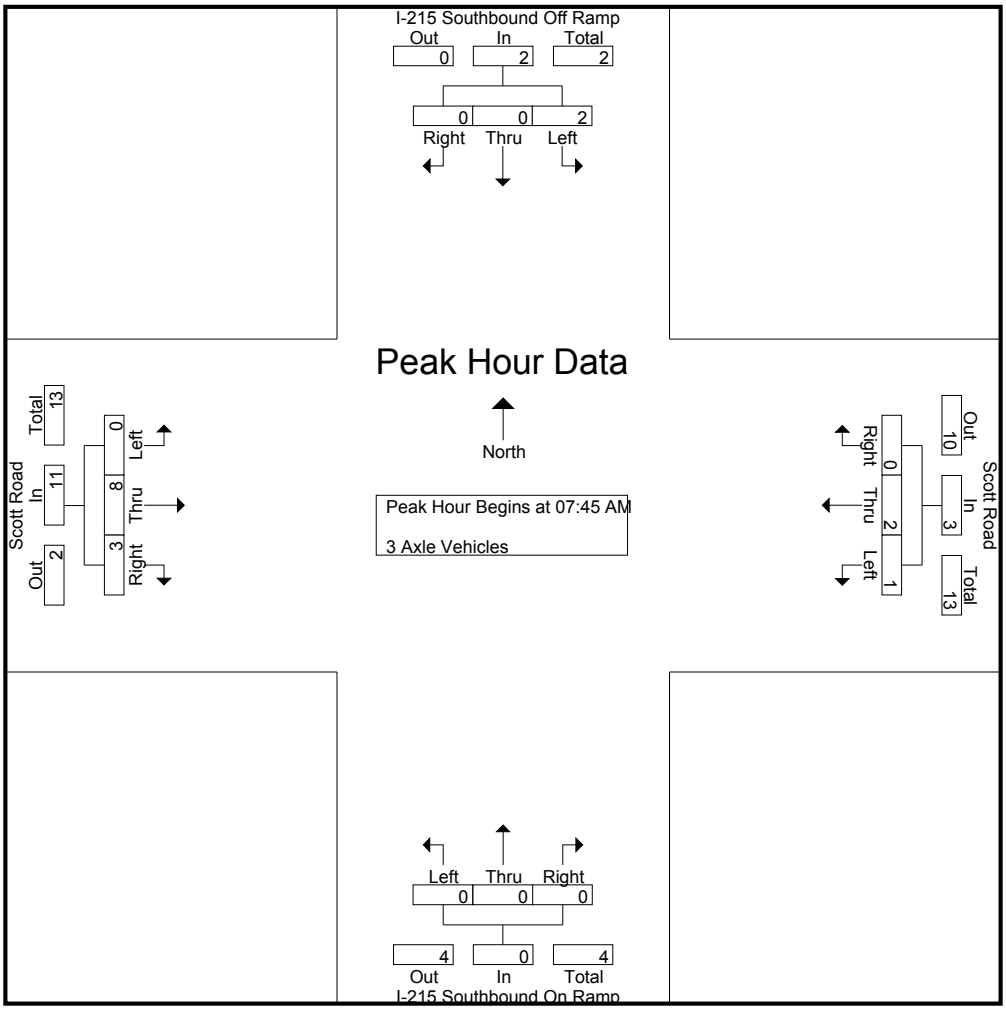
File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **1** | 0 | 0 | **1** | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 2 | **2** | **4** |
| +15 mins. | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| +45 mins. | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 |
| Total Volume | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 11 |
| % App. Total | 100 | 0 | 0 | | 33.3 | 66.7 | 0 | | 0 | 0 | 0 | | 0 | 72.7 | 27.3 | |
| PHF | .500 | .000 | .000 | .500 | .250 | .500 | .000 | .750 | .000 | .000 | .000 | .000 | .000 | .667 | .375 | .688 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07:15 AM | 1 | 0 | 2 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:45 AM | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 |
| Total | 3 | 0 | 4 | 7 | 2 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 15 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 08:15 AM | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 7 |
| 08:30 AM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Total | 1 | 0 | 1 | 2 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 7 | 14 |
| Grand Total | 4 | 0 | 5 | 9 | 4 | 7 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | 29 |
| Apprch % | 44.4 | 0 | 55.6 | | 36.4 | 63.6 | 0 | | 0 | 0 | 0 | | 0 | 55.6 | 44.4 | | |
| Total % | 13.8 | 0 | 17.2 | 31 | 13.8 | 24.1 | 0 | 37.9 | 0 | 0 | 0 | 0 | 0 | 17.2 | 13.8 | 31 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **1** | 0 | **2** | **3** | 0 | **1** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 08:15 AM | 1 | 0 | 0 | 1 | **2** | 1 | 0 | **3** | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | **7** |
| 08:30 AM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 | 3 |
| Total Volume | 2 | 0 | 3 | 5 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 17 |
| % App. Total | 40 | 0 | 60 | | 40 | 60 | 0 | | 0 | 0 | 0 | | 0 | 42.9 | 57.1 | | |
| PHF | .500 | .000 | .375 | .417 | .250 | .750 | .000 | .417 | .000 | .000 | .000 | .000 | .000 | .250 | .500 | .583 | .607 |

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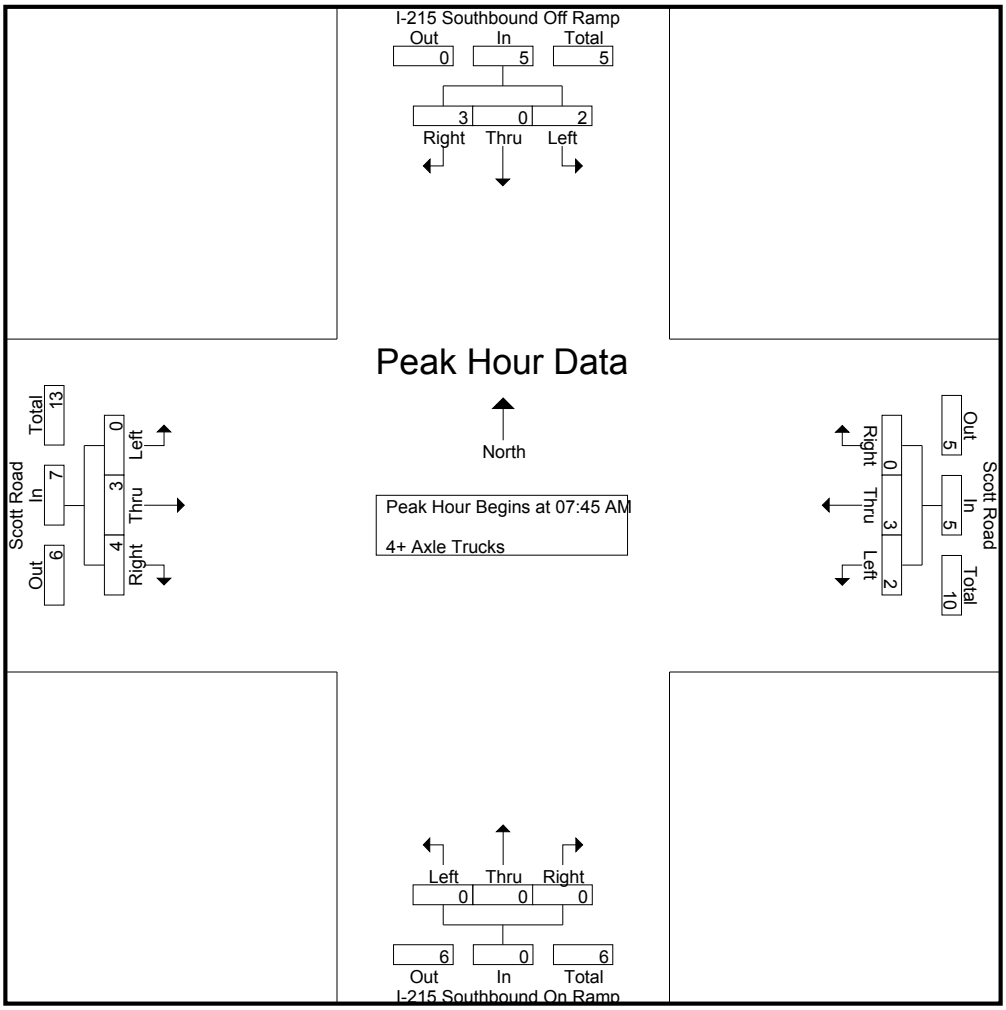
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **1** | 0 | **2** | **3** | 0 | **1** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| +30 mins. | 1 | 0 | 0 | 1 | **2** | 1 | 0 | **3** | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** |
| +45 mins. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 |
| Total Volume | 2 | 0 | 3 | 5 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 |
| % App. Total | 40 | 0 | 60 | | 40 | 60 | 0 | | 0 | 0 | 0 | | 0 | 42.9 | 57.1 | |
| PHF | .500 | .000 | .375 | .417 | .250 | .750 | .000 | .417 | .000 | .000 | .000 | .000 | .000 | .250 | .500 | .583 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 101 | 0 | 30 | 131 | 113 | 150 | 0 | 263 | 0 | 0 | 0 | 0 | 0 | 130 | 47 | 177 | 571 |
| 04:15 PM | 97 | 2 | 33 | 132 | 104 | 142 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 154 | 69 | 223 | 601 |
| 04:30 PM | 82 | 0 | 22 | 104 | 114 | 157 | 0 | 271 | 0 | 0 | 0 | 0 | 0 | 128 | 53 | 181 | 556 |
| 04:45 PM | 85 | 0 | 30 | 115 | 104 | 142 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 131 | 52 | 183 | 544 |
| Total | 365 | 2 | 115 | 482 | 435 | 591 | 0 | 1026 | 0 | 0 | 0 | 0 | 0 | 543 | 221 | 764 | 2272 |
| 05:00 PM | 105 | 0 | 28 | 133 | 95 | 144 | 0 | 239 | 0 | 0 | 0 | 0 | 0 | 137 | 42 | 179 | 551 |
| 05:15 PM | 106 | 0 | 31 | 137 | 115 | 156 | 0 | 271 | 0 | 0 | 0 | 0 | 0 | 128 | 36 | 164 | 572 |
| 05:30 PM | 111 | 1 | 30 | 142 | 85 | 146 | 0 | 231 | 0 | 0 | 0 | 0 | 0 | 153 | 37 | 190 | 563 |
| 05:45 PM | 93 | 1 | 23 | 117 | 96 | 165 | 0 | 261 | 0 | 0 | 0 | 0 | 0 | 168 | 30 | 198 | 576 |
| Total | 415 | 2 | 112 | 529 | 391 | 611 | 0 | 1002 | 0 | 0 | 0 | 0 | 0 | 586 | 145 | 731 | 2262 |
| Grand Total | 780 | 4 | 227 | 1011 | 826 | 1202 | 0 | 2028 | 0 | 0 | 0 | 0 | 0 | 1129 | 366 | 1495 | 4534 |
| Apprch % | 77.2 | 0.4 | 22.5 | | 40.7 | 59.3 | 0 | | 0 | 0 | 0 | | 0 | 75.5 | 24.5 | | |
| Total % | 17.2 | 0.1 | 5 | 22.3 | 18.2 | 26.5 | 0 | 44.7 | 0 | 0 | 0 | 0 | 0 | 24.9 | 8.1 | 33 | |
| Passenger Vehicles | 770 | 2 | 221 | 993 | 816 | 1175 | 0 | 1991 | 0 | 0 | 0 | 0 | 0 | 1110 | 364 | 1474 | 4458 |
| % Passenger Vehicles | 98.7 | 50 | 97.4 | 98.2 | 98.8 | 97.8 | 0 | 98.2 | 0 | 0 | 0 | 0 | 0 | 98.3 | 99.5 | 98.6 | 98.3 |
| Large 2 Axle Vehicles | 7 | 1 | 4 | 12 | 10 | 24 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 13 | 2 | 15 | 61 |
| % Large 2 Axle Vehicles | 0.9 | 25 | 1.8 | 1.2 | 1.2 | 2 | 0 | 1.7 | 0 | 0 | 0 | 0 | 0 | 1.2 | 0.5 | 1 | 1.3 |
| 3 Axle Vehicles | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 7 |
| % 3 Axle Vehicles | 0.1 | 0 | 0.9 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.3 | 0.2 |
| 4+ Axle Trucks | 2 | 1 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| % 4+ Axle Trucks | 0.3 | 25 | 0 | 0.3 | 0 | 0.2 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.1 | 0.2 |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | **101** | 0 | 30 | 131 | 113 | 150 | 0 | 263 | 0 | 0 | 0 | 0 | 0 | 130 | 47 | 177 | 571 |
| 04:15 PM | 97 | **2** | **33** | **132** | 104 | 142 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | **154** | **69** | **223** | **601** |
| 04:30 PM | 82 | 0 | 22 | 104 | **114** | **157** | 0 | **271** | 0 | 0 | 0 | 0 | 0 | 128 | 53 | 181 | 556 |
| 04:45 PM | 85 | 0 | 30 | 115 | 104 | 142 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 131 | 52 | 183 | 544 |
| Total Volume | 365 | 2 | 115 | 482 | 435 | 591 | 0 | 1026 | 0 | 0 | 0 | 0 | 0 | 543 | 221 | 764 | 2272 |
| % App. Total | 75.7 | 0.4 | 23.9 | | 42.4 | 57.6 | 0 | | 0 | 0 | 0 | | 0 | 71.1 | 28.9 | | |
| PHF | .903 | .250 | .871 | .913 | .954 | .941 | .000 | .946 | .000 | .000 | .000 | .000 | .000 | .881 | .801 | .857 | .945 |

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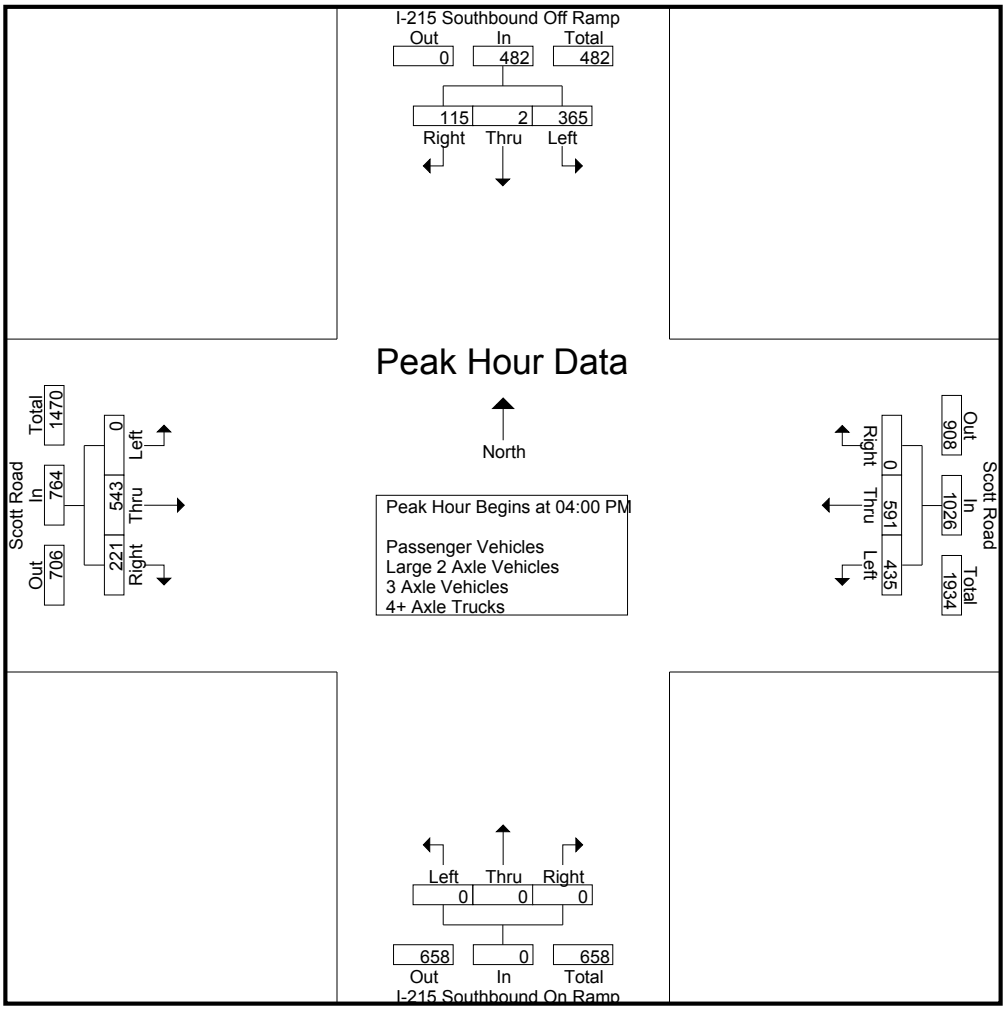
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 04:30 PM | | | | 04:00 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 105 | 0 | 28 | 133 | 114 | **157** | 0 | **271** | 0 | 0 | 0 | 0 | 0 | **154** | **69** | **223** |
| +15 mins. | 106 | 0 | **31** | 137 | 104 | 142 | 0 | 246 | 0 | 0 | 0 | 0 | 0 | 128 | 53 | 181 |
| +30 mins. | **111** | **1** | 30 | **142** | 95 | 144 | 0 | 239 | 0 | 0 | 0 | 0 | 0 | 131 | 52 | 183 |
| +45 mins. | 93 | 1 | 23 | 117 | **115** | 156 | 0 | 271 | 0 | 0 | 0 | 0 | 0 | 137 | 42 | 179 |
| Total Volume | 415 | 2 | 112 | 529 | 428 | 599 | 0 | 1027 | 0 | 0 | 0 | 0 | 0 | 550 | 216 | 766 |
| % App. Total | 78.4 | 0.4 | 21.2 | | 41.7 | 58.3 | 0 | | 0 | 0 | 0 | | 0 | 71.8 | 28.2 | |
| PHF | .935 | .500 | .903 | .931 | .930 | .954 | .000 | .947 | .000 | .000 | .000 | .000 | .000 | .893 | .783 | .859 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 100 | 0 | 29 | 129 | 112 | 147 | 0 | 259 | 0 | 0 | 0 | 0 | 0 | 129 | 46 | 175 | 563 |
| 04:15 PM | 95 | 1 | 33 | 129 | 104 | 136 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | 151 | 69 | 220 | 589 |
| 04:30 PM | 80 | 0 | 22 | 102 | 112 | 154 | 0 | 266 | 0 | 0 | 0 | 0 | 0 | 124 | 53 | 177 | 545 |
| 04:45 PM | 83 | 0 | 29 | 112 | 103 | 139 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 129 | 52 | 181 | 535 |
| Total | 358 | 1 | 113 | 472 | 431 | 576 | 0 | 1007 | 0 | 0 | 0 | 0 | 0 | 533 | 220 | 753 | 2232 |
| 05:00 PM | 105 | 0 | 26 | 131 | 94 | 140 | 0 | 234 | 0 | 0 | 0 | 0 | 0 | 135 | 42 | 177 | 542 |
| 05:15 PM | 104 | 0 | 30 | 134 | 111 | 153 | 0 | 264 | 0 | 0 | 0 | 0 | 0 | 125 | 36 | 161 | 559 |
| 05:30 PM | 111 | 0 | 29 | 140 | 85 | 143 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 152 | 36 | 188 | 556 |
| 05:45 PM | 92 | 1 | 23 | 116 | 95 | 163 | 0 | 258 | 0 | 0 | 0 | 0 | 0 | 165 | 30 | 195 | 569 |
| Total | 412 | 1 | 108 | 521 | 385 | 599 | 0 | 984 | 0 | 0 | 0 | 0 | 0 | 577 | 144 | 721 | 2226 |
| Grand Total | 770 | 2 | 221 | 993 | 816 | 1175 | 0 | 1991 | 0 | 0 | 0 | 0 | 0 | 1110 | 364 | 1474 | 4458 |
| Apprch % | 77.5 | 0.2 | 22.3 | | 41 | 59 | 0 | | 0 | 0 | 0 | | 0 | 75.3 | 24.7 | | |
| Total % | 17.3 | 0 | 5 | 22.3 | 18.3 | 26.4 | 0 | 44.7 | 0 | 0 | 0 | 0 | 0 | 24.9 | 8.2 | 33.1 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | **100** | 0 | 29 | **129** | **112** | 147 | 0 | 259 | 0 | 0 | 0 | 0 | 0 | 129 | 46 | 175 | 563 |
| 04:15 PM | 95 | **1** | **33** | 129 | 104 | 136 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | **151** | **69** | **220** | **589** |
| 04:30 PM | 80 | 0 | 22 | 102 | 112 | **154** | 0 | **266** | 0 | 0 | 0 | 0 | 0 | 124 | 53 | 177 | 545 |
| 04:45 PM | 83 | 0 | 29 | 112 | 103 | 139 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 129 | 52 | 181 | 535 |
| Total Volume | 358 | 1 | 113 | 472 | 431 | 576 | 0 | 1007 | 0 | 0 | 0 | 0 | 0 | 533 | 220 | 753 | 2232 |
| % App. Total | 75.8 | 0.2 | 23.9 | | 42.8 | 57.2 | 0 | | 0 | 0 | 0 | | 0 | 70.8 | 29.2 | | |
| PHF | .895 | .250 | .856 | .915 | .962 | .935 | .000 | .946 | .000 | .000 | .000 | .000 | .000 | .882 | .797 | .856 | .947 |

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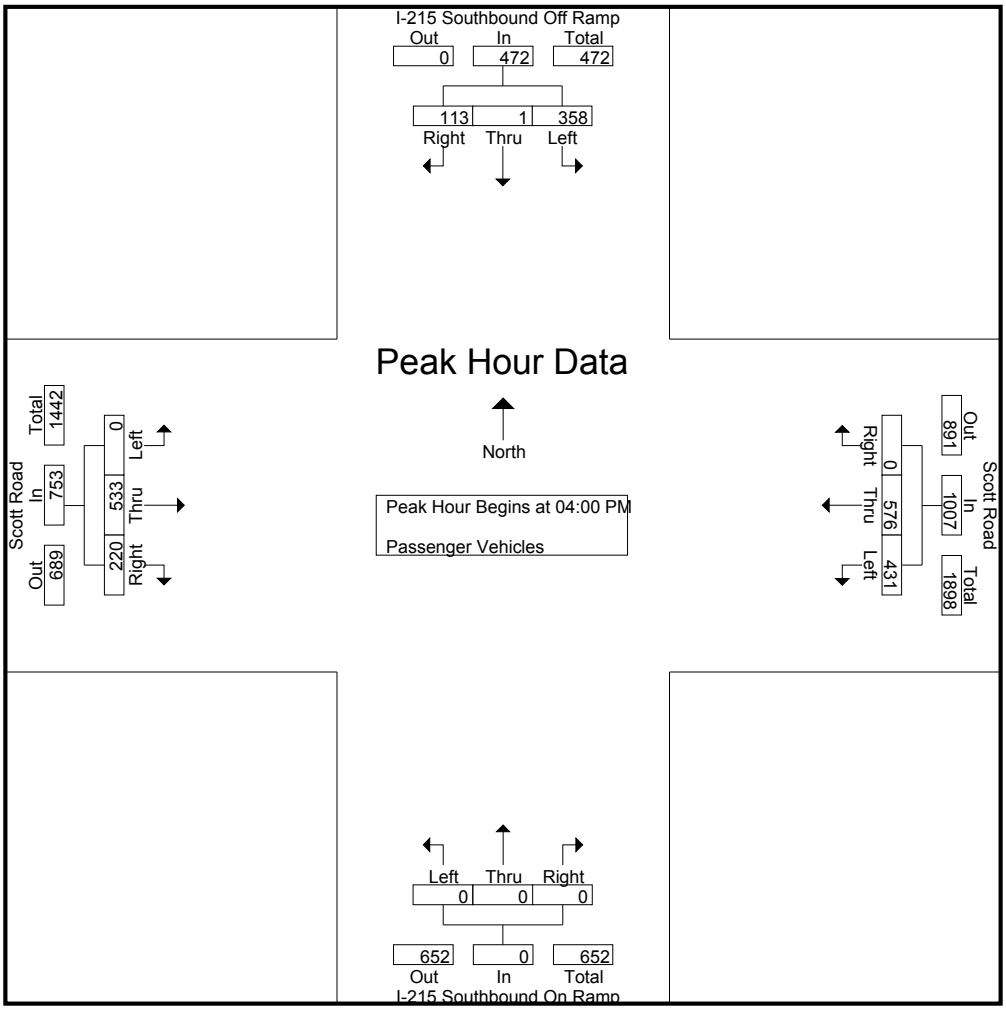
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **100** | 0 | 29 | **129** | **112** | 147 | 0 | 259 | 0 | 0 | 0 | 0 | 0 | 129 | 46 | 175 |
| +15 mins. | 95 | **1** | **33** | 129 | 104 | 136 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | **151** | **69** | **220** |
| +30 mins. | 80 | 0 | 22 | 102 | 112 | **154** | 0 | **266** | 0 | 0 | 0 | 0 | 0 | 124 | 53 | 177 |
| +45 mins. | 83 | 0 | 29 | 112 | 103 | 139 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 129 | 52 | 181 |
| Total Volume | 358 | 1 | 113 | 472 | 431 | 576 | 0 | 1007 | 0 | 0 | 0 | 0 | 0 | 533 | 220 | 753 |
| % App. Total | 75.8 | 0.2 | 23.9 | | 42.8 | 57.2 | 0 | | 0 | 0 | 0 | | 0 | 70.8 | 29.2 | |
| PHF | .895 | .250 | .856 | .915 | .962 | .935 | .000 | .946 | .000 | .000 | .000 | .000 | .000 | .882 | .797 | .856 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| 04:15 PM | 2 | 0 | 0 | 2 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 04:30 PM | 2 | 0 | 0 | 2 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 9 |
| 04:45 PM | 1 | 0 | 1 | 2 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| Total | 6 | 0 | 1 | 7 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 31 |
| 05:00 PM | 0 | 0 | 2 | 2 | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 8 |
| 05:15 PM | 1 | 0 | 0 | 1 | 4 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 10 |
| 05:30 PM | 0 | 1 | 1 | 2 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 |
| 05:45 PM | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 5 |
| Total | 1 | 1 | 3 | 5 | 6 | 12 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 7 | 30 |
| Grand Total | 7 | 1 | 4 | 12 | 10 | 24 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 13 | 2 | 15 | 61 |
| Apprch % | 58.3 | 8.3 | 33.3 | | 29.4 | 70.6 | 0 | | 0 | 0 | 0 | | 0 | 86.7 | 13.3 | | |
| Total % | 11.5 | 1.6 | 6.6 | 19.7 | 16.4 | 39.3 | 0 | 55.7 | 0 | 0 | 0 | 0 | 0 | 21.3 | 3.3 | 24.6 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | 1 | 0 | 0 | 1 | 1 | 3 | 0 | **4** | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 6 |
| 04:15 PM | **2** | 0 | 0 | **2** | 0 | **4** | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 04:30 PM | 2 | 0 | 0 | 2 | **2** | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | **9** |
| 04:45 PM | 1 | 0 | **1** | 2 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| Total Volume | 6 | 0 | 1 | 7 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 31 |
| % App. Total | 85.7 | 0 | 14.3 | | 25 | 75 | 0 | | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | | |
| PHF | .750 | .000 | .250 | .875 | .500 | .750 | .000 | 1.00 | .000 | .000 | .000 | .000 | .000 | .583 | .250 | .667 | .861 |

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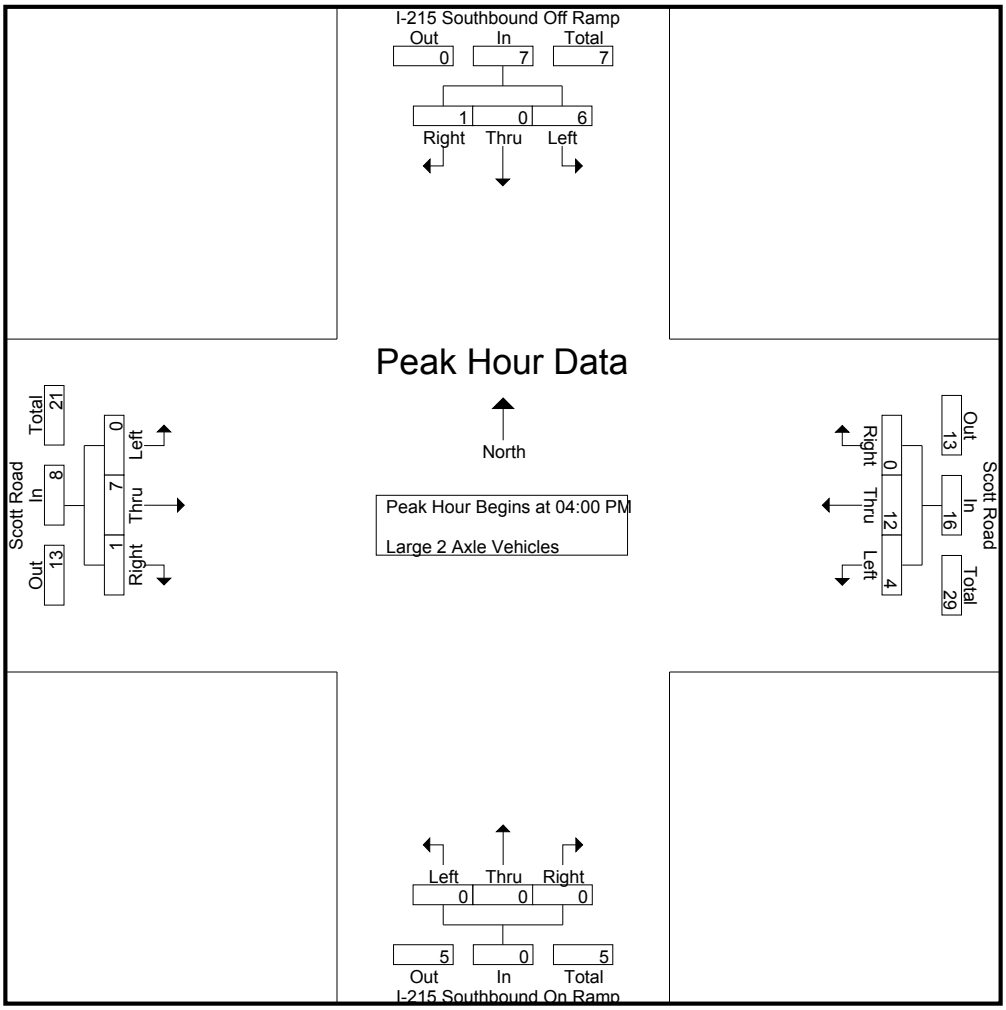
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | 0 | 0 | 1 | 1 | 3 | 0 | **4** | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 |
| +15 mins. | **2** | 0 | 0 | **2** | 0 | **4** | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| +30 mins. | 2 | 0 | 0 | 2 | **2** | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** |
| +45 mins. | 1 | 0 | **1** | 2 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Total Volume | 6 | 0 | 1 | 7 | 4 | 12 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 |
| % App. Total | 85.7 | 0 | 14.3 | | 25 | 75 | 0 | | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | |
| PHF | .750 | .000 | .250 | .875 | .500 | .750 | .000 | 1.000 | .000 | .000 | .000 | .000 | .000 | .583 | .250 | .667 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:15 PM | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| Grand Total | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 7 |
| Apprch % | 33.3 | 0 | 66.7 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 14.3 | 0 | 28.6 | 42.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.1 | 0 | 57.1 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | **1** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| % App. Total | 50 | 0 | 50 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .250 | .000 | .250 | .500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .750 |

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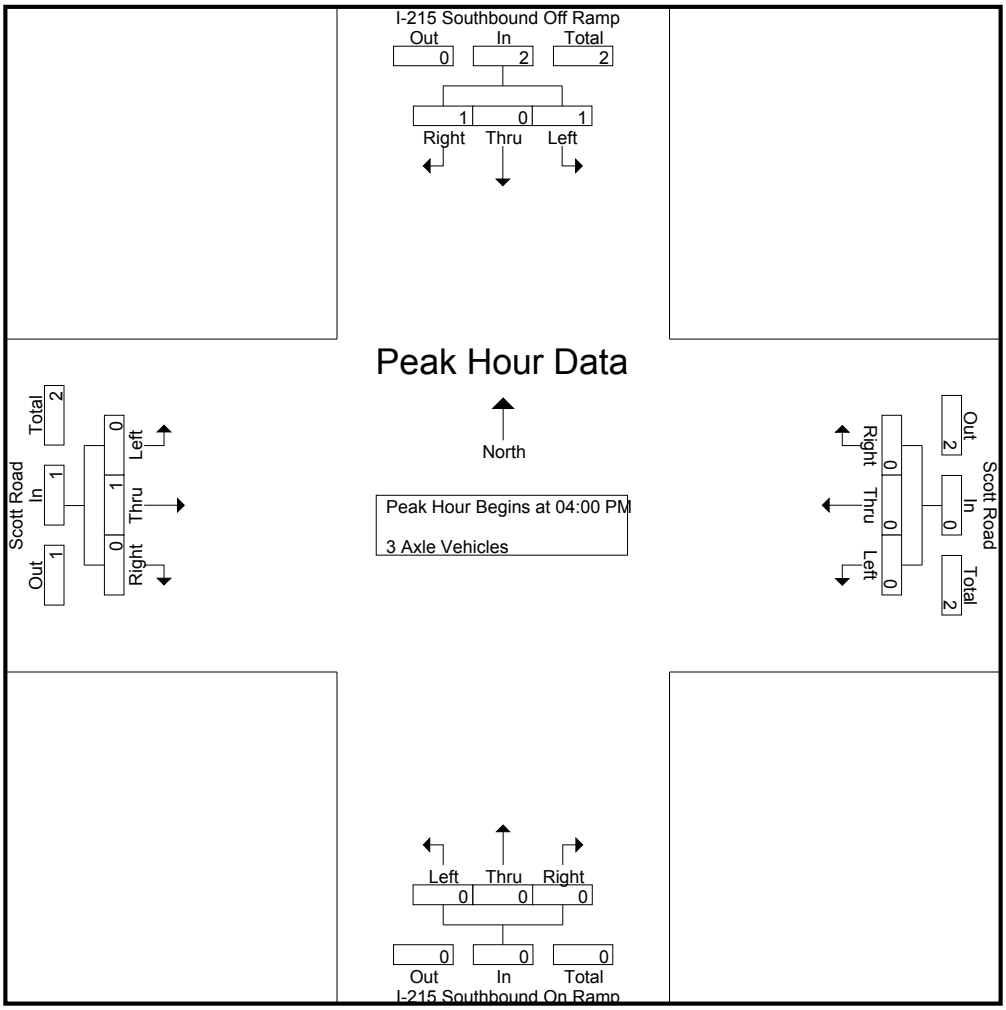
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | **1** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 50 | 0 | 50 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .250 | .000 | .250 | .500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:15 PM | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Grand Total | 2 | 1 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| Apprch % | 66.7 | 33.3 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 25 | 12.5 | 0 | 37.5 | 0 | 37.5 | 0 | 37.5 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 25 | |

| | I-215 Southbound Off Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Southbound On Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:00 PM | | | | | | | | | | | | | | | | | |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 |
| 04:15 PM | 0 | **1** | 0 | **1** | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| % App. Total | 0 | 100 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .250 | .000 | .250 | .000 | .375 | .000 | .375 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .500 |

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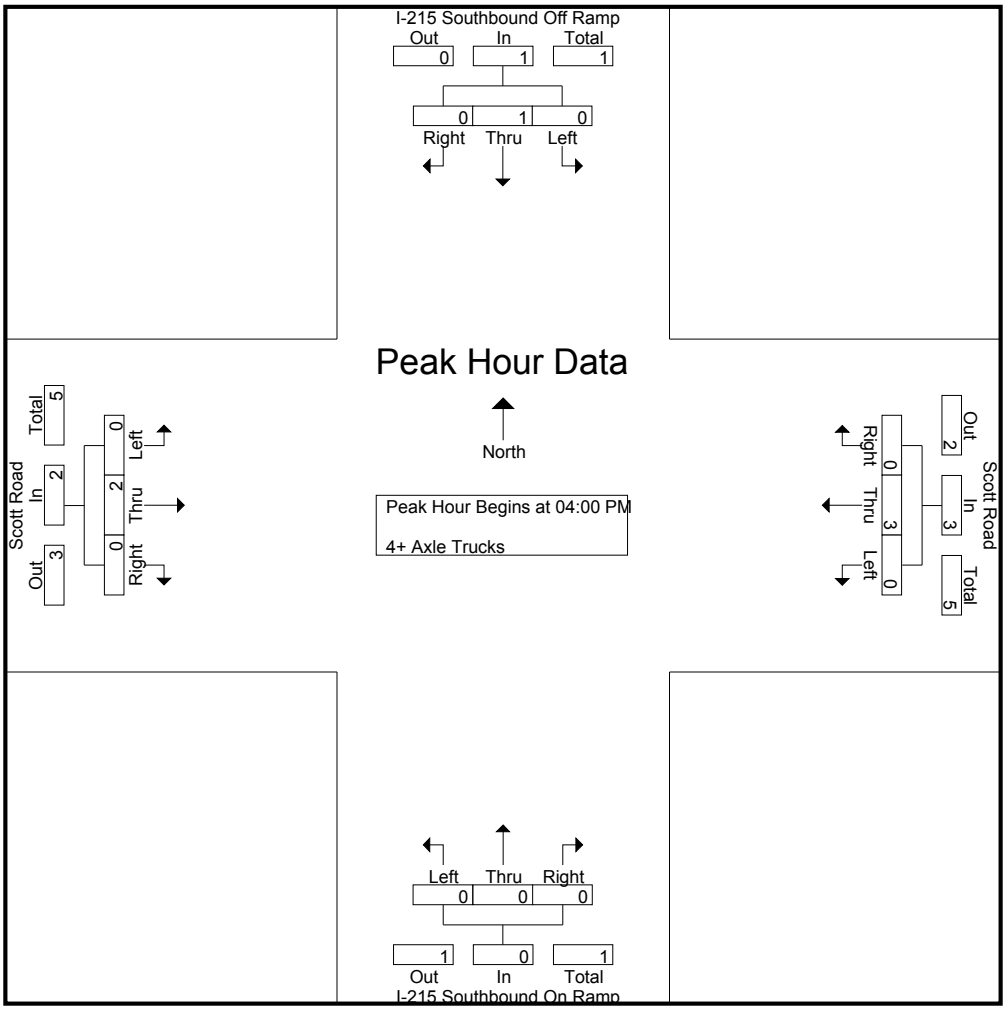
City of Menifee
N/S: I-215 Southbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215SSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +15 mins. | 0 | **1** | 0 | **1** | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 0 | 100 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .250 | .000 | .250 | .000 | .375 | .000 | .375 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 52 | 11 | 63 | 56 | 1 | 23 | 80 | 46 | 65 | 0 | 111 | 254 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 71 | 9 | 80 | 68 | 1 | 48 | 117 | 36 | 82 | 0 | 118 | 315 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 71 | 6 | 77 | 67 | 3 | 32 | 102 | 38 | 80 | 0 | 118 | 297 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 96 | 3 | 99 | 72 | 1 | 35 | 108 | 44 | 84 | 0 | 128 | 335 |
| Total | 0 | 0 | 0 | 0 | 0 | 290 | 29 | 319 | 263 | 6 | 138 | 407 | 164 | 311 | 0 | 475 | 1201 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 72 | 9 | 81 | 50 | 0 | 14 | 64 | 50 | 50 | 0 | 100 | 245 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 59 | 9 | 68 | 46 | 2 | 15 | 63 | 30 | 50 | 0 | 80 | 211 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 61 | 14 | 75 | 44 | 0 | 13 | 57 | 46 | 62 | 0 | 108 | 240 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 58 | 7 | 65 | 28 | 0 | 17 | 45 | 35 | 67 | 0 | 102 | 212 |
| Total | 0 | 0 | 0 | 0 | 0 | 250 | 39 | 289 | 168 | 2 | 59 | 229 | 161 | 229 | 0 | 390 | 908 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 540 | 68 | 608 | 431 | 8 | 197 | 636 | 325 | 540 | 0 | 865 | 2109 |
| Apprch % | 0 | 0 | 0 | | 0 | 88.8 | 11.2 | | 67.8 | 1.3 | 31 | | 37.6 | 62.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 25.6 | 3.2 | 28.8 | 20.4 | 0.4 | 9.3 | 30.2 | 15.4 | 25.6 | 0 | 41 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 515 | 63 | 578 | 399 | 8 | 186 | 593 | 309 | 523 | 0 | 832 | 2003 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 95.4 | 92.6 | 95.1 | 92.6 | 100 | 94.4 | 93.2 | 95.1 | 96.9 | 0 | 96.2 | 95 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 17 | 1 | 18 | 25 | 0 | 6 | 31 | 11 | 13 | 0 | 24 | 73 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 3.1 | 1.5 | 3 | 5.8 | 0 | 3 | 4.9 | 3.4 | 2.4 | 0 | 2.8 | 3.5 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 7 | 0 | 5 | 12 | 5 | 4 | 0 | 9 | 33 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 1.5 | 5.9 | 2 | 1.6 | 0 | 2.5 | 1.9 | 1.5 | 0.7 | 0 | 1 | 1.6 |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 52 | **11** | 63 | 56 | 1 | 23 | 80 | **46** | 65 | 0 | 111 | 254 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 71 | 9 | 80 | 68 | 1 | **48** | **117** | 36 | 82 | 0 | 118 | 315 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 71 | 6 | 77 | 67 | **3** | 32 | 102 | 38 | 80 | 0 | 118 | 297 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | **96** | 3 | **99** | **72** | 1 | 35 | 108 | 44 | **84** | 0 | **128** | **335** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 290 | 29 | 319 | 263 | 6 | 138 | 407 | 164 | 311 | 0 | 475 | 1201 |
| % App. Total | 0 | 0 | 0 | | 0 | 90.9 | 9.1 | | 64.6 | 1.5 | 33.9 | | 34.5 | 65.5 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .755 | .659 | .806 | .913 | .500 | .719 | .870 | .891 | .926 | .000 | .928 | .896 |

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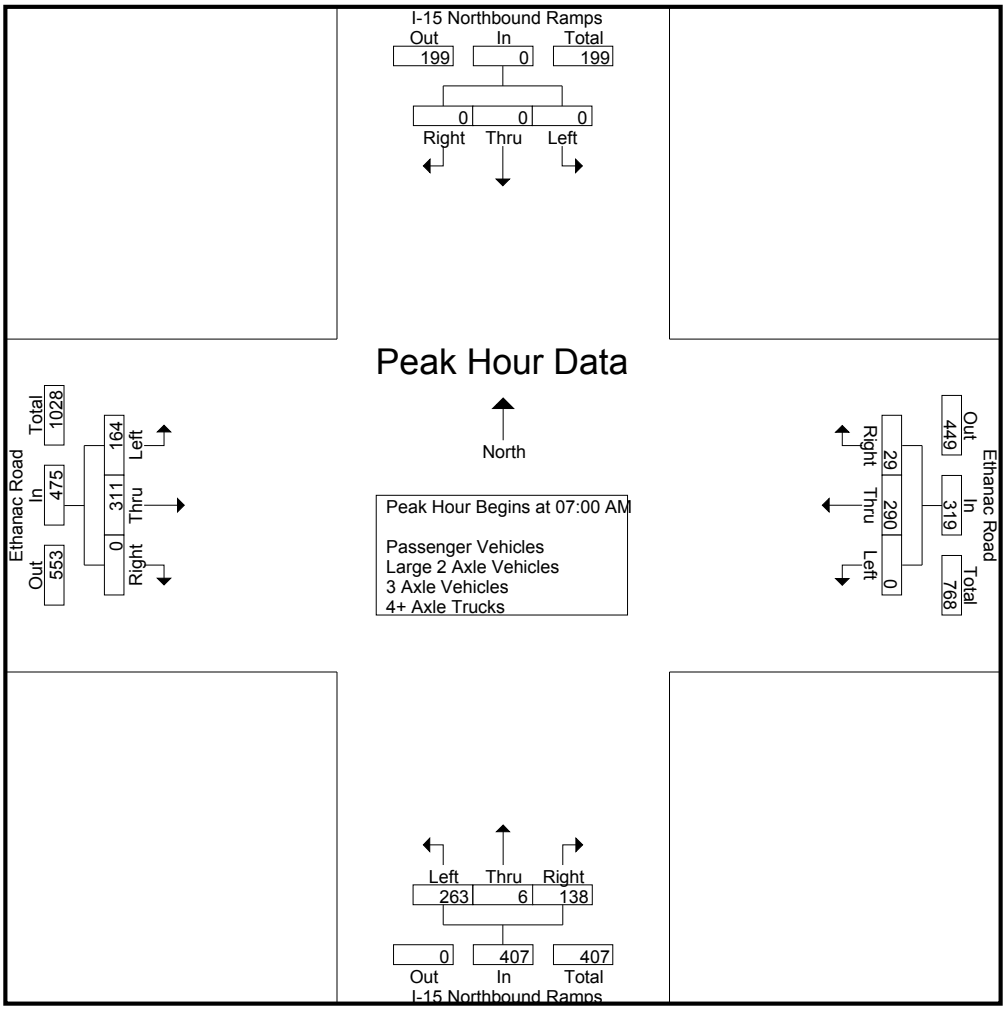
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:15 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 71 | **9** | 80 | 56 | 1 | 23 | 80 | **46** | 65 | 0 | 111 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 71 | 6 | 77 | 68 | 1 | **48** | **117** | 36 | 82 | 0 | 118 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **96** | 3 | **99** | 67 | **3** | 32 | 102 | 38 | 80 | 0 | 118 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 72 | 9 | 81 | **72** | 1 | 35 | 108 | 44 | **84** | 0 | **128** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 310 | 27 | 337 | 263 | 6 | 138 | 407 | 164 | 311 | 0 | 475 |
| % App. Total | 0 | 0 | 0 | | 0 | 92 | 8 | | 64.6 | 1.5 | 33.9 | | 34.5 | 65.5 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .807 | .750 | .851 | .913 | .500 | .719 | .870 | .891 | .926 | .000 | .928 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 48 | 9 | 57 | 55 | 1 | 20 | 76 | 44 | 65 | 0 | 109 | 242 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 69 | 9 | 78 | 66 | 1 | 48 | 115 | 34 | 81 | 0 | 115 | 308 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 71 | 5 | 76 | 60 | 3 | 30 | 93 | 37 | 78 | 0 | 115 | 284 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 93 | 2 | 95 | 65 | 1 | 32 | 98 | 40 | 82 | 0 | 122 | 315 |
| Total | 0 | 0 | 0 | 0 | 0 | 281 | 25 | 306 | 246 | 6 | 130 | 382 | 155 | 306 | 0 | 461 | 1149 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 67 | 9 | 76 | 47 | 0 | 12 | 59 | 48 | 48 | 0 | 96 | 231 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 55 | 8 | 63 | 42 | 2 | 15 | 59 | 28 | 44 | 0 | 72 | 194 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 58 | 14 | 72 | 39 | 0 | 13 | 52 | 45 | 61 | 0 | 106 | 230 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 54 | 7 | 61 | 25 | 0 | 16 | 41 | 33 | 64 | 0 | 97 | 199 |
| Total | 0 | 0 | 0 | 0 | 0 | 234 | 38 | 272 | 153 | 2 | 56 | 211 | 154 | 217 | 0 | 371 | 854 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 515 | 63 | 578 | 399 | 8 | 186 | 593 | 309 | 523 | 0 | 832 | 2003 |
| Apprch % | 0 | 0 | 0 | | 0 | 89.1 | 10.9 | | 67.3 | 1.3 | 31.4 | | 37.1 | 62.9 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 25.7 | 3.1 | 28.9 | 19.9 | 0.4 | 9.3 | 29.6 | 15.4 | 26.1 | 0 | 41.5 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 48 | **9** | 57 | 55 | 1 | 20 | 76 | **44** | 65 | 0 | 109 | 242 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 69 | 9 | 78 | **66** | 1 | **48** | **115** | 34 | 81 | 0 | 115 | 308 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 71 | 5 | 76 | 60 | **3** | 30 | 93 | 37 | 78 | 0 | 115 | 284 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | **93** | 2 | **95** | 65 | 1 | 32 | 98 | 40 | **82** | 0 | **122** | **315** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 281 | 25 | 306 | 246 | 6 | 130 | 382 | 155 | 306 | 0 | 461 | 1149 |
| % App. Total | 0 | 0 | 0 | | 0 | 91.8 | 8.2 | | 64.4 | 1.6 | 34 | | 33.6 | 66.4 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .755 | .694 | .805 | .932 | .500 | .677 | .830 | .881 | .933 | .000 | .945 | .912 |

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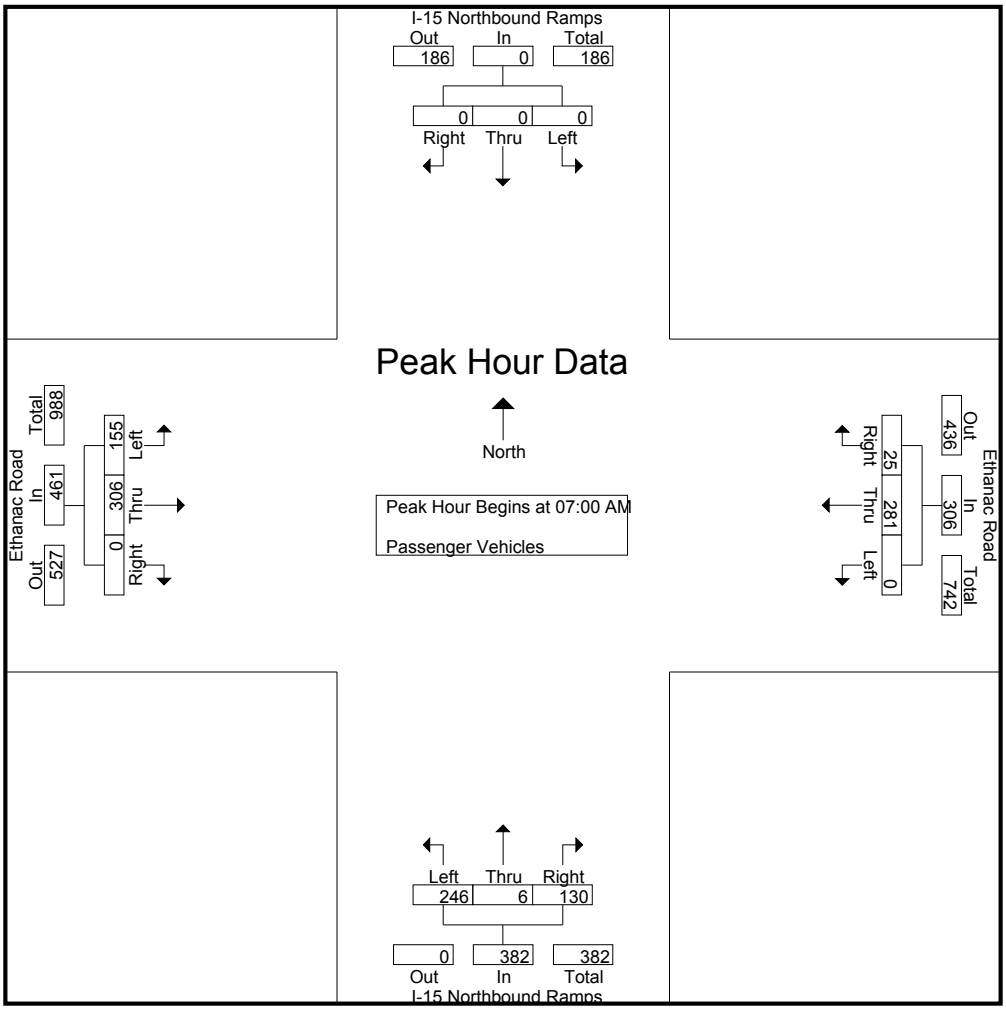
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 48 | **9** | 57 | 55 | 1 | 20 | 76 | **44** | 65 | 0 | 109 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 69 | 9 | 78 | **66** | 1 | **48** | **115** | 34 | 81 | 0 | 115 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 71 | 5 | 76 | 60 | **3** | 30 | 93 | 37 | 78 | 0 | 115 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **93** | 2 | **95** | 65 | 1 | 32 | 98 | 40 | **82** | 0 | **122** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 281 | 25 | 306 | 246 | 6 | 130 | 382 | 155 | 306 | 0 | 461 |
| % App. Total | 0 | 0 | 0 | | 0 | 91.8 | 8.2 | | 64.4 | 1.6 | 34 | | 33.6 | 66.4 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .755 | .694 | .805 | .932 | .500 | .677 | .830 | .881 | .933 | .000 | .945 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 6 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 5 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 8 | 0 | 1 | 0 | 1 | 9 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 6 | 0 | 2 | 8 | 3 | 2 | 0 | 5 | 16 |
| Total | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 15 | 0 | 4 | 19 | 6 | 3 | 0 | 9 | 36 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 1 | 3 | 1 | 1 | 0 | 2 | 7 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 4 | 2 | 6 | 0 | 8 | 14 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 6 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 2 | 0 | 1 | 3 | 1 | 2 | 0 | 3 | 10 |
| Total | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 10 | 0 | 2 | 12 | 5 | 10 | 0 | 15 | 37 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 17 | 1 | 18 | 25 | 0 | 6 | 31 | 11 | 13 | 0 | 24 | 73 |
| Apprch % | 0 | 0 | 0 | | 0 | 94.4 | 5.6 | | 80.6 | 0 | 19.4 | | 45.8 | 54.2 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 23.3 | 1.4 | 24.7 | 34.2 | 0 | 8.2 | 42.5 | 15.1 | 17.8 | 0 | 32.9 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 6 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 5 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **7** | 0 | 1 | **8** | 0 | 1 | 0 | 1 | 9 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 2 | **1** | 3 | 6 | 0 | **2** | 8 | **3** | **2** | 0 | **5** | **16** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 15 | 0 | 4 | 19 | 6 | 3 | 0 | 9 | 36 |
| % App. Total | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | | 78.9 | 0 | 21.1 | | 66.7 | 33.3 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .583 | .250 | .667 | .536 | .000 | .500 | .594 | .500 | .375 | .000 | .450 | .563 |

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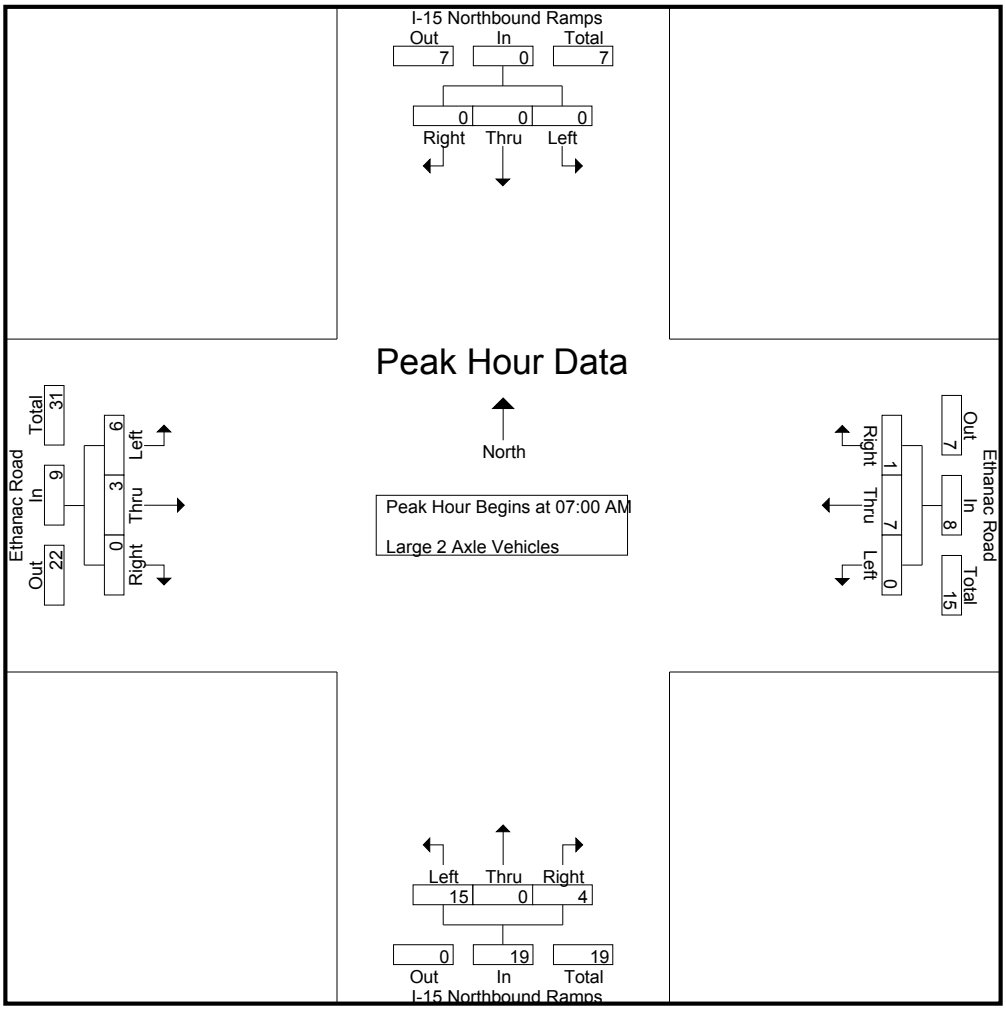
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **7** | 0 | 1 | **8** | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 2 | **1** | 3 | 6 | 0 | **2** | 8 | **3** | **2** | 0 | **5** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 8 | 15 | 0 | 4 | 19 | 6 | 3 | 0 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 87.5 | 12.5 | | 78.9 | 0 | 21.1 | | 66.7 | 33.3 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .583 | .250 | .667 | .536 | .000 | .500 | .594 | .500 | .375 | .000 | .450 |

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City of Menifee
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File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| Total % | | | | | | | | | | | | | | | | | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
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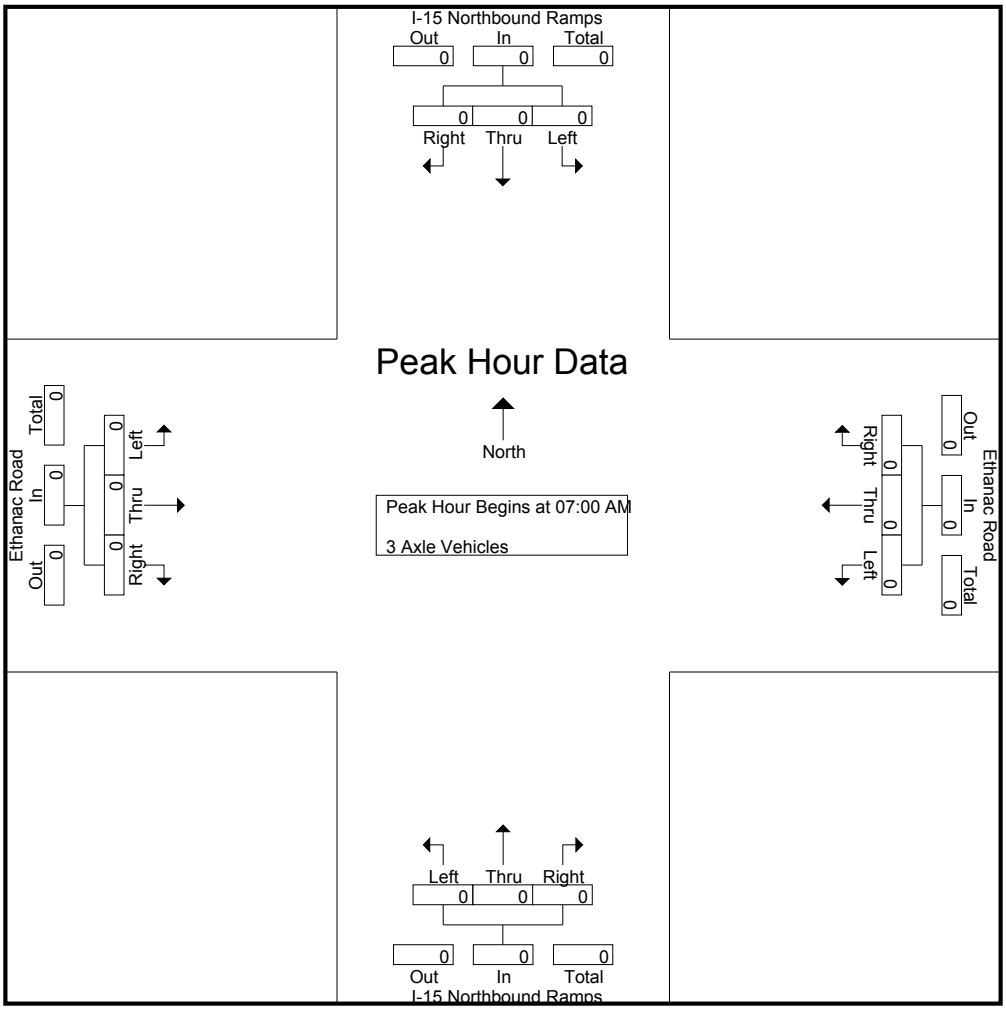
File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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City of Menifee
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File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 6 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 4 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 4 |
| Total | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 2 | 0 | 4 | 6 | 3 | 2 | 0 | 5 | 16 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 7 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 3 |
| Total | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 7 | 5 | 0 | 1 | 6 | 2 | 2 | 0 | 4 | 17 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 7 | 0 | 5 | 12 | 5 | 4 | 0 | 9 | 33 |
| Apprch % | 0 | 0 | 0 | | 0 | 66.7 | 33.3 | | 58.3 | 0 | 41.7 | | 55.6 | 44.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 24.2 | 12.1 | 36.4 | 21.2 | 0 | 15.2 | 36.4 | 15.2 | 12.1 | 0 | 27.3 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | **1** | **2** | **3** | **1** | 0 | **2** | **3** | 0 | 0 | 0 | 0 | **6** |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** | 2 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 4 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 4 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 2 | 0 | 4 | 6 | 3 | 2 | 0 | 5 | 16 |
| % App. Total | 0 | 0 | 0 | | 0 | 40 | 60 | | 33.3 | 0 | 66.7 | | 60 | 40 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .500 | .375 | .417 | .500 | .000 | .500 | .500 | .750 | .500 | .000 | .625 | .667 |

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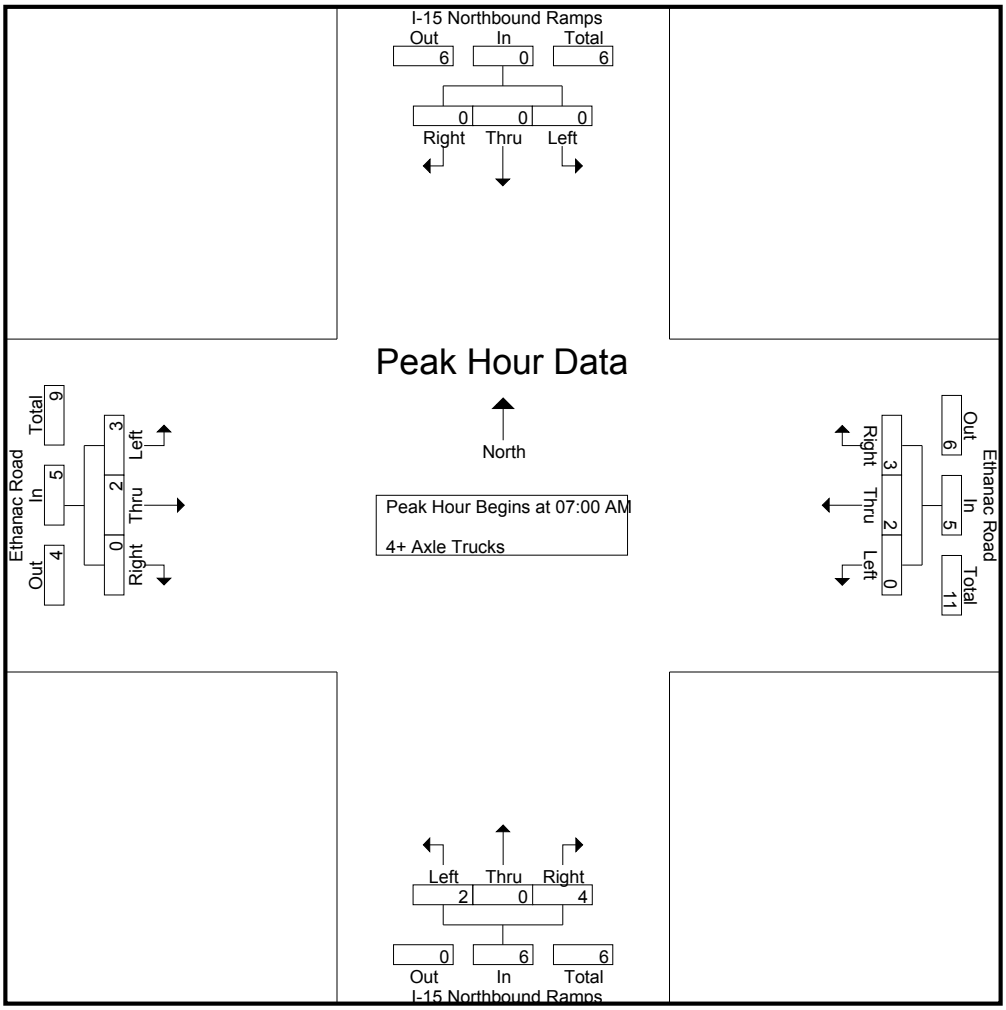
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETAM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **1** | **2** | **3** | **1** | 0 | **2** | **3** | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | **2** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 2 | 0 | 4 | 6 | 3 | 2 | 0 | 5 |
| % App. Total | 0 | 0 | 0 | | 0 | 40 | 60 | | 33.3 | 0 | 66.7 | | 60 | 40 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .500 | .375 | .417 | .500 | .000 | .500 | .500 | .750 | .500 | .000 | .625 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 87 | 10 | 97 | 56 | 1 | 36 | 93 | 32 | 67 | 0 | 99 | 289 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 47 | 6 | 53 | 58 | 2 | 43 | 103 | 35 | 78 | 0 | 113 | 269 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 75 | 20 | 95 | 53 | 0 | 52 | 105 | 53 | 88 | 0 | 141 | 341 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 59 | 15 | 74 | 48 | 0 | 35 | 83 | 39 | 76 | 0 | 115 | 272 |
| Total | 0 | 0 | 0 | 0 | 0 | 268 | 51 | 319 | 215 | 3 | 166 | 384 | 159 | 309 | 0 | 468 | 1171 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 66 | 14 | 80 | 55 | 0 | 31 | 86 | 37 | 64 | 0 | 101 | 267 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 78 | 8 | 86 | 57 | 1 | 50 | 108 | 39 | 85 | 0 | 124 | 318 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 75 | 11 | 86 | 39 | 0 | 41 | 80 | 32 | 62 | 0 | 94 | 260 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 49 | 9 | 58 | 45 | 3 | 36 | 84 | 29 | 79 | 0 | 108 | 250 |
| Total | 0 | 0 | 0 | 0 | 0 | 268 | 42 | 310 | 196 | 4 | 158 | 358 | 137 | 290 | 0 | 427 | 1095 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 536 | 93 | 629 | 411 | 7 | 324 | 742 | 296 | 599 | 0 | 895 | 2266 |
| Apprch % | 0 | 0 | 0 | | 0 | 85.2 | 14.8 | | 55.4 | 0.9 | 43.7 | | 33.1 | 66.9 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 23.7 | 4.1 | 27.8 | 18.1 | 0.3 | 14.3 | 32.7 | 13.1 | 26.4 | 0 | 39.5 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 532 | 89 | 621 | 393 | 6 | 304 | 703 | 286 | 587 | 0 | 873 | 2197 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 99.3 | 95.7 | 98.7 | 95.6 | 85.7 | 93.8 | 94.7 | 96.6 | 98 | 0 | 97.5 | 97 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 9 | 1 | 9 | 19 | 6 | 7 | 0 | 13 | 37 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.4 | 3.2 | 0.8 | 2.2 | 14.3 | 2.8 | 2.6 | 2 | 1.2 | 0 | 1.5 | 1.6 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 4 | 6 | 2 | 1 | 0 | 3 | 10 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.2 | 0.5 | 0 | 1.2 | 0.8 | 0.7 | 0.2 | 0 | 0.3 | 0.4 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 | 0 | 7 | 14 | 2 | 4 | 0 | 6 | 22 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.1 | 0.3 | 1.7 | 0 | 2.2 | 1.9 | 0.7 | 0.7 | 0 | 0.7 | 1 |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 75 | **20** | **95** | 53 | 0 | **52** | 105 | **53** | **88** | 0 | **141** | **341** |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 59 | 15 | 74 | 48 | 0 | 35 | 83 | 39 | 76 | 0 | 115 | 272 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 66 | 14 | 80 | 55 | 0 | 31 | 86 | 37 | 64 | 0 | 101 | 267 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **78** | 8 | 86 | **57** | **1** | 50 | **108** | 39 | 85 | 0 | 124 | 318 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 278 | 57 | 335 | 213 | 1 | 168 | 382 | 168 | 313 | 0 | 481 | 1198 |
| % App. Total | 0 | 0 | 0 | | 0 | 83 | 17 | | 55.8 | 0.3 | 44 | | 34.9 | 65.1 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .891 | .713 | .882 | .934 | .250 | .808 | .884 | .792 | .889 | .000 | .853 | .878 |

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City of Menifee
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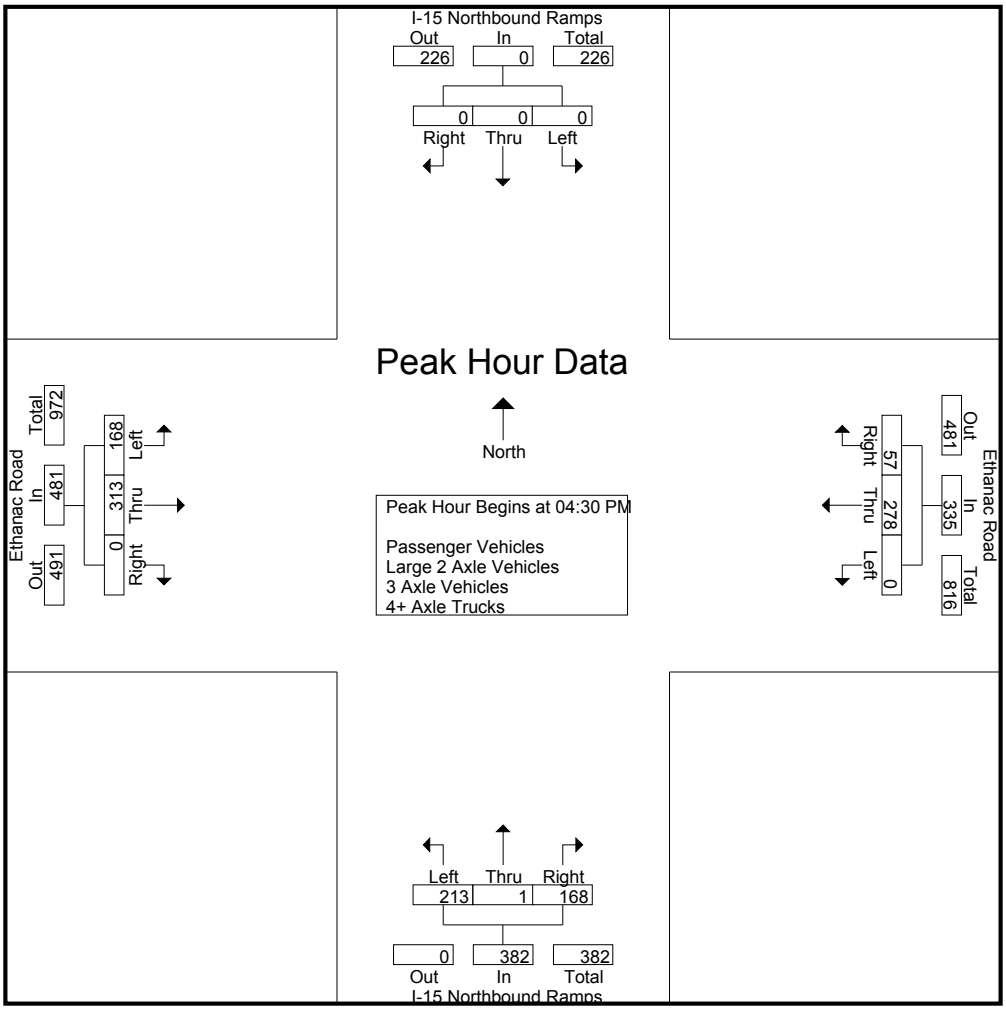
File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:30 PM | | | | 04:00 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 75 | **20** | **95** | 56 | 1 | 36 | 93 | **53** | **88** | 0 | **141** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 59 | 15 | 74 | **58** | **2** | 43 | 103 | 39 | 76 | 0 | 115 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 66 | 14 | 80 | 53 | 0 | **52** | **105** | 37 | 64 | 0 | 101 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **78** | 8 | 86 | 48 | 0 | 35 | 83 | 39 | 85 | 0 | 124 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 278 | 57 | 335 | 215 | 3 | 166 | 384 | 168 | 313 | 0 | 481 |
| % App. Total | 0 | 0 | 0 | | 0 | 83 | 17 | | 56 | 0.8 | 43.2 | | 34.9 | 65.1 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .891 | .713 | .882 | .927 | .375 | .798 | .914 | .792 | .889 | .000 | .853 |

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City of Menifee
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Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 87 | 9 | 96 | 54 | 1 | 35 | 90 | 31 | 66 | 0 | 97 | 283 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 47 | 6 | 53 | 56 | 2 | 41 | 99 | 33 | 78 | 0 | 111 | 263 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 74 | 20 | 94 | 50 | 0 | 50 | 100 | 53 | 85 | 0 | 138 | 332 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 58 | 14 | 72 | 47 | 0 | 33 | 80 | 38 | 75 | 0 | 113 | 265 |
| Total | 0 | 0 | 0 | 0 | 0 | 266 | 49 | 315 | 207 | 3 | 159 | 369 | 155 | 304 | 0 | 459 | 1143 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 66 | 12 | 78 | 50 | 0 | 31 | 81 | 36 | 62 | 0 | 98 | 257 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 78 | 8 | 86 | 56 | 1 | 44 | 101 | 36 | 83 | 0 | 119 | 306 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 74 | 11 | 85 | 37 | 0 | 37 | 74 | 32 | 60 | 0 | 92 | 251 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 48 | 9 | 57 | 43 | 2 | 33 | 78 | 27 | 78 | 0 | 105 | 240 |
| Total | 0 | 0 | 0 | 0 | 0 | 266 | 40 | 306 | 186 | 3 | 145 | 334 | 131 | 283 | 0 | 414 | 1054 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 532 | 89 | 621 | 393 | 6 | 304 | 703 | 286 | 587 | 0 | 873 | 2197 |
| Apprch % | 0 | 0 | 0 | | 0 | 85.7 | 14.3 | | 55.9 | 0.9 | 43.2 | | 32.8 | 67.2 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 24.2 | 4.1 | 28.3 | 17.9 | 0.3 | 13.8 | 32 | 13 | 26.7 | 0 | 39.7 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 74 | **20** | **94** | 50 | 0 | **50** | 100 | **53** | **85** | 0 | **138** | **332** |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 58 | 14 | 72 | 47 | 0 | 33 | 80 | 38 | 75 | 0 | 113 | 265 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 66 | 12 | 78 | 50 | 0 | 31 | 81 | 36 | 62 | 0 | 98 | 257 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **78** | 8 | 86 | **56** | **1** | 44 | **101** | 36 | 83 | 0 | 119 | 306 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 276 | 54 | 330 | 203 | 1 | 158 | 362 | 163 | 305 | 0 | 468 | 1160 |
| % App. Total | 0 | 0 | 0 | | 0 | 83.6 | 16.4 | | 56.1 | 0.3 | 43.6 | | 34.8 | 65.2 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .885 | .675 | .878 | .906 | .250 | .790 | .896 | .769 | .897 | .000 | .848 | .873 |

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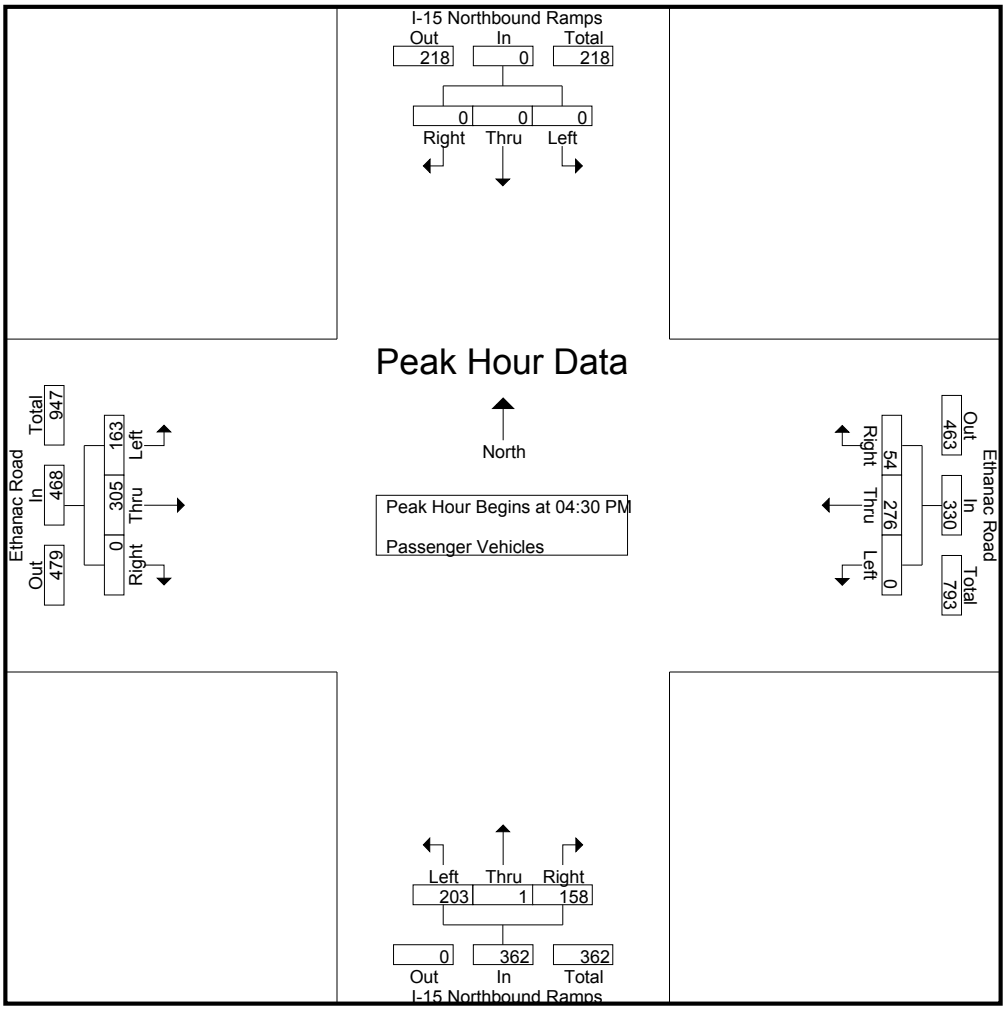
(951) 268-6268

City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 74 | **20** | **94** | 50 | 0 | **50** | 100 | **53** | **85** | 0 | **138** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 58 | 14 | 72 | 47 | 0 | 33 | 80 | 38 | 75 | 0 | 113 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 66 | 12 | 78 | 50 | 0 | 31 | 81 | 36 | 62 | 0 | 98 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **78** | 8 | 86 | **56** | **1** | 44 | **101** | 36 | 83 | 0 | 119 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 276 | 54 | 330 | 203 | 1 | 158 | 362 | 163 | 305 | 0 | 468 |
| % App. Total | 0 | 0 | 0 | | 0 | 83.6 | 16.4 | | 56.1 | 0.3 | 43.6 | | 34.8 | 65.2 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .885 | .675 | .878 | .906 | .250 | .790 | .896 | .769 | .897 | .000 | .848 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 4 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 3 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 2 | 3 | 0 | 5 | 9 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 8 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 7 | 2 | 2 | 0 | 4 | 11 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 4 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 1 | 0 | 0 | 1 | 5 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 8 | 1 | 8 | 17 | 4 | 4 | 0 | 8 | 28 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 9 | 1 | 9 | 19 | 6 | 7 | 0 | 13 | 37 |
| Apprch % | 0 | 0 | 0 | | 0 | 40 | 60 | | 47.4 | 5.3 | 47.4 | | 46.2 | 53.8 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 5.4 | 8.1 | 13.5 | 24.3 | 2.7 | 24.3 | 51.4 | 16.2 | 18.9 | 0 | 35.1 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 | 3 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | **1** | 1 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 | **4** | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 8 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | **6** | **7** | **2** | 2 | 0 | **4** | **11** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 5 | 0 | 6 | 11 | 3 | 6 | 0 | 9 | 24 |
| % App. Total | 0 | 0 | 0 | | 0 | 25 | 75 | | 45.5 | 0 | 54.5 | | 33.3 | 66.7 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .375 | .500 | .313 | .000 | .250 | .393 | .375 | .500 | .000 | .563 | .545 |

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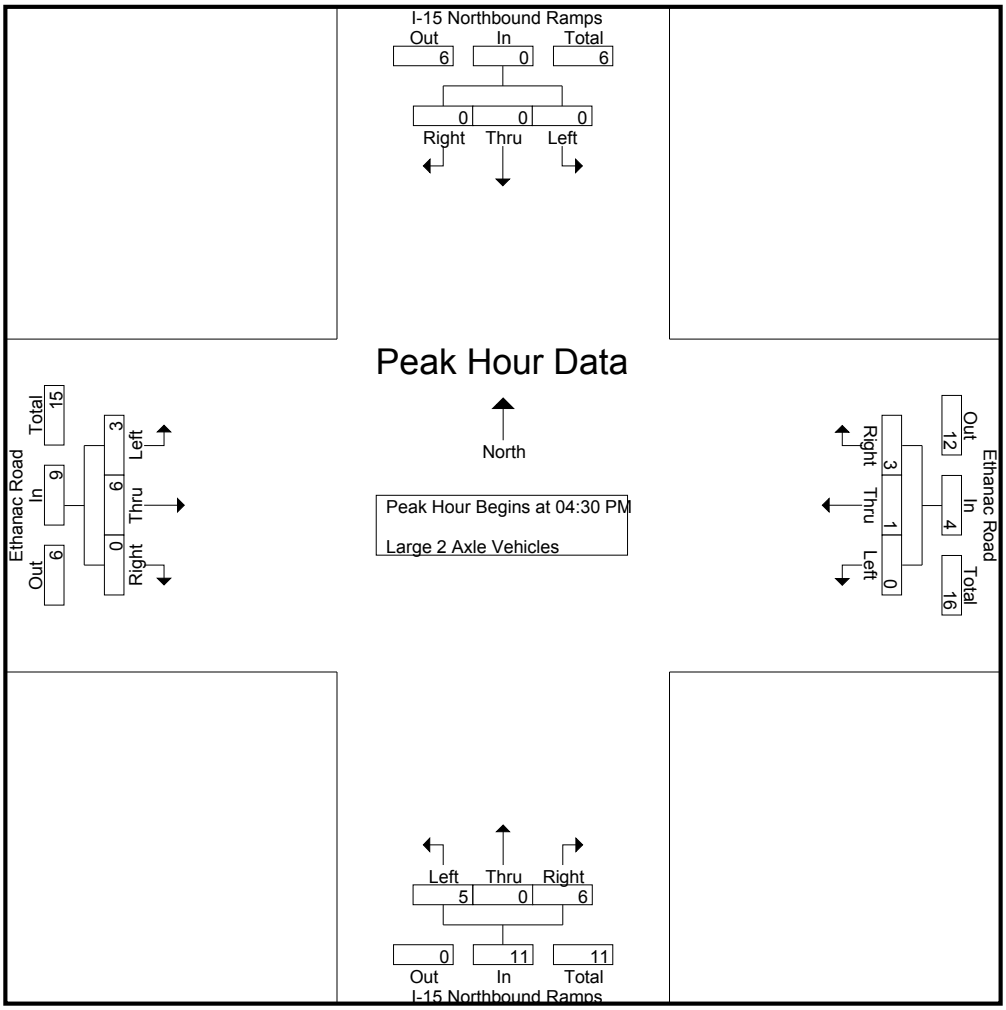
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 3 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **1** | 1 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 | **4** | 0 | 0 | 4 | 1 | 1 | 0 | 2 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | **6** | **7** | **2** | 2 | 0 | **4** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 5 | 0 | 6 | 11 | 3 | 6 | 0 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 25 | 75 | | 45.5 | 0 | 54.5 | | 33.3 | 66.7 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .375 | .500 | .313 | .000 | .250 | .393 | .375 | .500 | .000 | .563 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 5 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 1 | 0 | 1 | 5 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 4 | 6 | 2 | 1 | 0 | 3 | 10 |
| Apprch % | 0 | 0 | 0 | | 0 | 100 | 0 | | 33.3 | 0 | 66.7 | | 66.7 | 33.3 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 20 | 0 | 40 | 60 | 20 | 10 | 0 | 30 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | **2** |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | **1** | 0 | 1 | 2 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 5 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 100 | 0 | 0 | | 50 | 50 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .500 | .000 | .000 | .500 | .250 | .250 | .000 | .500 | .625 |

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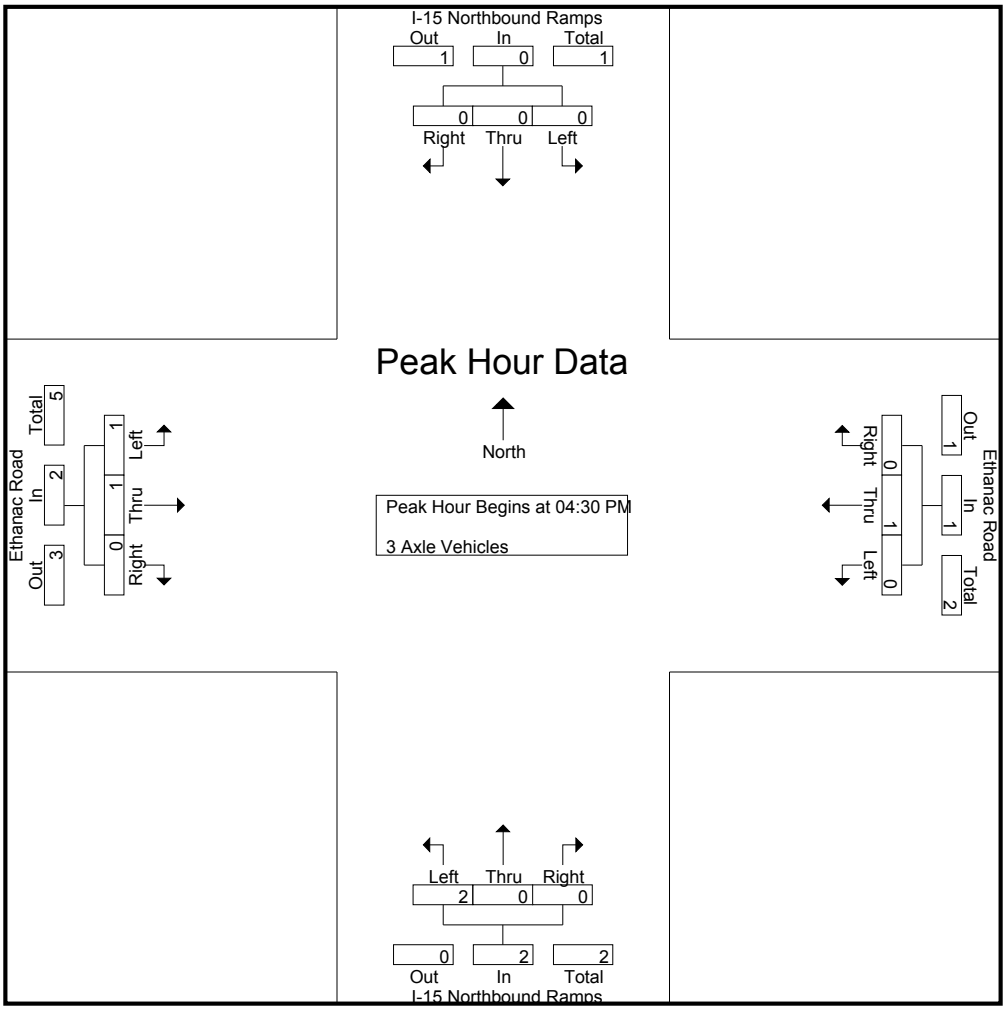
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | **1** | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 100 | 0 | 0 | | 50 | 50 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .500 | .000 | .000 | .500 | .250 | .250 | .000 | .500 |

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City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 5 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 4 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 1 | 4 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 0 | 5 | 11 | 0 | 2 | 0 | 2 | 14 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 1 | 4 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 3 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 3 | 2 | 2 | 0 | 4 | 8 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 | 0 | 7 | 14 | 2 | 4 | 0 | 6 | 22 |
| Apprch % | 0 | 0 | 0 | | 0 | 50 | 50 | | 50 | 0 | 50 | | 33.3 | 66.7 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 4.5 | 4.5 | 9.1 | 31.8 | 0 | 31.8 | 63.6 | 9.1 | 18.2 | 0 | 27.3 | |

| | I-15 Northbound Ramps Southbound | | | | Ethanac Road Westbound | | | | I-15 Northbound Ramps Northbound | | | | Ethanac Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | **4** | 0 | 0 | 0 | 0 | **4** |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | **1** | 0 | **1** | 4 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 7 | 1 | 1 | 0 | 2 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 42.9 | 0 | 57.1 | | 50 | 50 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .375 | .000 | .500 | .438 | .250 | .250 | .000 | .500 | .563 |

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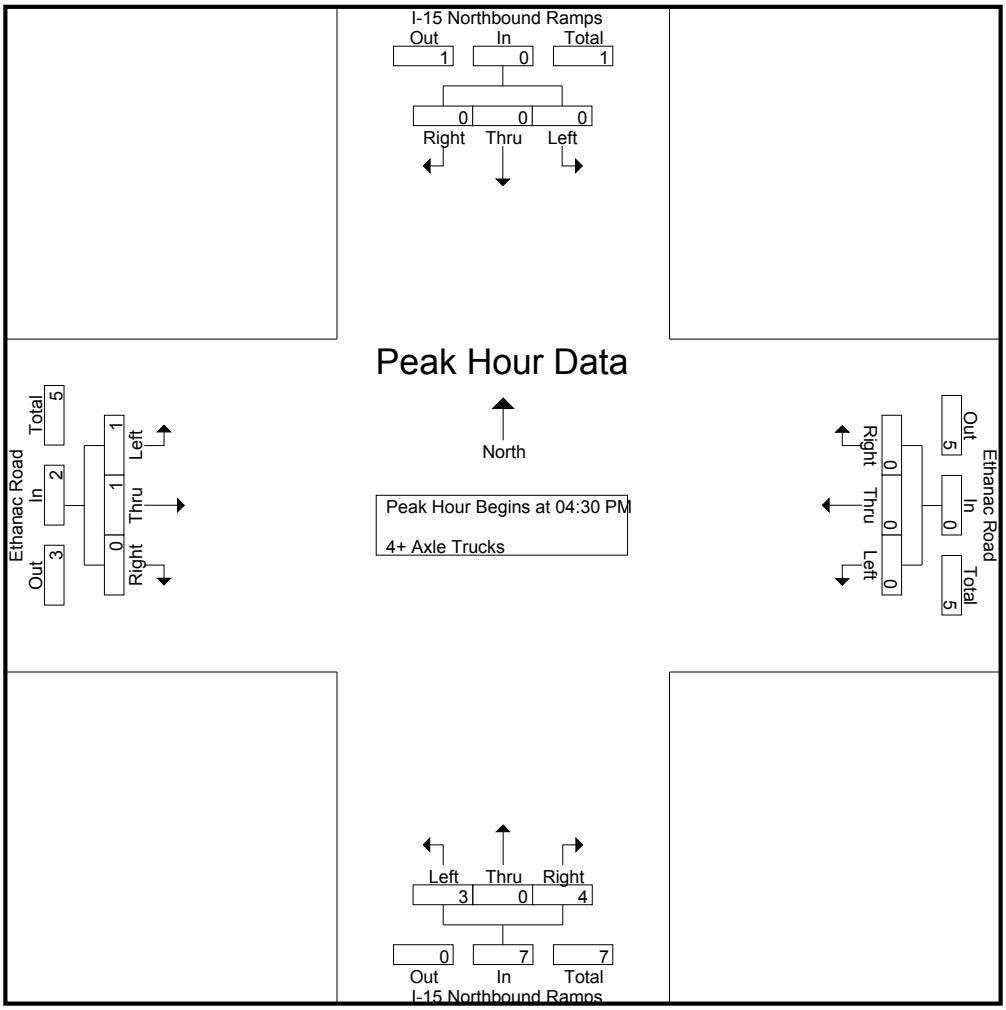
City of Menifee
N/S: I-15 Northbound Ramps
E/W: Ethanac Road
Weather: Clear

File Name : MEN15NETPM
Site Code : 00000093
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | **4** | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | **1** | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 7 | 1 | 1 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 42.9 | 0 | 57.1 | | 50 | 50 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .375 | .000 | .500 | .438 | .250 | .250 | .000 | .500 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 180 | 76 | 256 | 25 | 0 | 39 | 64 | 61 | 112 | 0 | 173 | 493 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 221 | 72 | 293 | 25 | 0 | 49 | 74 | 53 | 138 | 0 | 191 | 558 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 201 | 57 | 258 | 37 | 0 | 51 | 88 | 51 | 112 | 0 | 163 | 509 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 205 | 46 | 251 | 58 | 0 | 64 | 122 | 64 | 148 | 0 | 212 | 585 |
| Total | 0 | 0 | 0 | 0 | 0 | 807 | 251 | 1058 | 145 | 0 | 203 | 348 | 229 | 510 | 0 | 739 | 2145 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 238 | 42 | 280 | 47 | 0 | 42 | 89 | 53 | 88 | 0 | 141 | 510 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 207 | 29 | 236 | 50 | 0 | 73 | 123 | 58 | 124 | 0 | 182 | 541 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 260 | 48 | 308 | 41 | 2 | 50 | 93 | 81 | 127 | 0 | 208 | 609 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 188 | 17 | 205 | 68 | 0 | 31 | 99 | 60 | 119 | 0 | 179 | 483 |
| Total | 0 | 0 | 0 | 0 | 0 | 893 | 136 | 1029 | 206 | 2 | 196 | 404 | 252 | 458 | 0 | 710 | 2143 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1700 | 387 | 2087 | 351 | 2 | 399 | 752 | 481 | 968 | 0 | 1449 | 4288 |
| Apprch % | 0 | 0 | 0 | | 0 | 81.5 | 18.5 | | 46.7 | 0.3 | 53.1 | | 33.2 | 66.8 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 39.6 | 9 | 48.7 | 8.2 | 0 | 9.3 | 17.5 | 11.2 | 22.6 | 0 | 33.8 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 1656 | 371 | 2027 | 339 | 2 | 388 | 729 | 456 | 938 | 0 | 1394 | 4150 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 97.4 | 95.9 | 97.1 | 96.6 | 100 | 97.2 | 96.9 | 94.8 | 96.9 | 0 | 96.2 | 96.8 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 30 | 12 | 42 | 9 | 0 | 9 | 18 | 20 | 28 | 0 | 48 | 108 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 1.8 | 3.1 | 2 | 2.6 | 0 | 2.3 | 2.4 | 4.2 | 2.9 | 0 | 3.3 | 2.5 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 9 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.5 | 0.3 | 0.3 | 0 | 0 | 0.1 | 0.2 | 0.1 | 0 | 0.1 | 0.2 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 12 | 2 | 0 | 2 | 4 | 4 | 1 | 0 | 5 | 21 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.6 | 0.5 | 0.6 | 0.6 | 0 | 0.5 | 0.5 | 0.8 | 0.1 | 0 | 0.3 | 0.5 |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 205 | 46 | 251 | **58** | 0 | 64 | 122 | 64 | **148** | 0 | **212** | 585 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 238 | 42 | 280 | 47 | 0 | 42 | 89 | 53 | 88 | 0 | 141 | 510 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 207 | 29 | 236 | 50 | 0 | **73** | **123** | 58 | 124 | 0 | 182 | 541 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | **260** | **48** | **308** | 41 | **2** | 50 | 93 | **81** | 127 | 0 | 208 | **609** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 910 | 165 | 1075 | 196 | 2 | 229 | 427 | 256 | 487 | 0 | 743 | 2245 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.7 | 15.3 | | 45.9 | 0.5 | 53.6 | | 34.5 | 65.5 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .875 | .859 | .873 | .845 | .250 | .784 | .868 | .790 | .823 | .000 | .876 | .922 |

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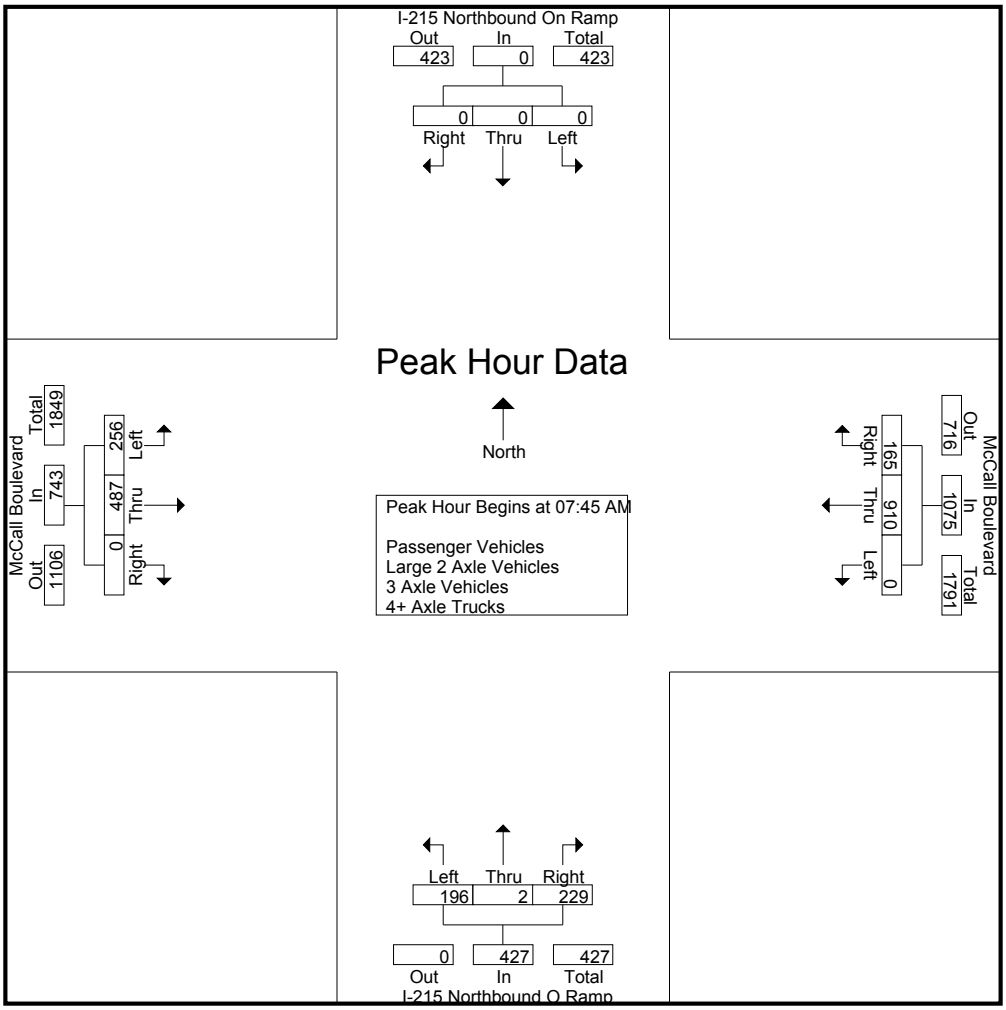
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:15 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 221 | **72** | **293** | **58** | 0 | 64 | 122 | 64 | **148** | 0 | **212** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 201 | 57 | 258 | 47 | 0 | 42 | 89 | 53 | 88 | 0 | 141 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 205 | 46 | 251 | 50 | 0 | **73** | **123** | 58 | 124 | 0 | 182 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **238** | 42 | 280 | 41 | **2** | 50 | 93 | **81** | 127 | 0 | 208 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 865 | 217 | 1082 | 196 | 2 | 229 | 427 | 256 | 487 | 0 | 743 |
| % App. Total | 0 | 0 | 0 | | 0 | 79.9 | 20.1 | | 45.9 | 0.5 | 53.6 | | 34.5 | 65.5 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .909 | .753 | .923 | .845 | .250 | .784 | .868 | .790 | .823 | .000 | .876 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 177 | 73 | 250 | 24 | 0 | 38 | 62 | 57 | 109 | 0 | 166 | 478 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 215 | 68 | 283 | 24 | 0 | 48 | 72 | 49 | 135 | 0 | 184 | 539 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 194 | 57 | 251 | 34 | 0 | 49 | 83 | 49 | 111 | 0 | 160 | 494 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 201 | 40 | 241 | 57 | 0 | 60 | 117 | 63 | 142 | 0 | 205 | 563 |
| Total | 0 | 0 | 0 | 0 | 0 | 787 | 238 | 1025 | 139 | 0 | 195 | 334 | 218 | 497 | 0 | 715 | 2074 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 232 | 40 | 272 | 45 | 0 | 42 | 87 | 50 | 86 | 0 | 136 | 495 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 200 | 28 | 228 | 50 | 0 | 72 | 122 | 52 | 118 | 0 | 170 | 520 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 252 | 48 | 300 | 40 | 2 | 49 | 91 | 78 | 126 | 0 | 204 | 595 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 185 | 17 | 202 | 65 | 0 | 30 | 95 | 58 | 111 | 0 | 169 | 466 |
| Total | 0 | 0 | 0 | 0 | 0 | 869 | 133 | 1002 | 200 | 2 | 193 | 395 | 238 | 441 | 0 | 679 | 2076 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1656 | 371 | 2027 | 339 | 2 | 388 | 729 | 456 | 938 | 0 | 1394 | 4150 |
| Apprch % | 0 | 0 | 0 | | 0 | 81.7 | 18.3 | | 46.5 | 0.3 | 53.2 | | 32.7 | 67.3 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 39.9 | 8.9 | 48.8 | 8.2 | 0 | 9.3 | 17.6 | 11 | 22.6 | 0 | 33.6 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 201 | 40 | 241 | **57** | 0 | 60 | 117 | 63 | **142** | 0 | **205** | 563 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 232 | 40 | 272 | 45 | 0 | 42 | 87 | 50 | 86 | 0 | 136 | 495 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 200 | 28 | 228 | 50 | 0 | **72** | **122** | 52 | 118 | 0 | 170 | 520 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | **252** | **48** | **300** | 40 | **2** | 49 | 91 | **78** | 126 | 0 | 204 | **595** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 885 | 156 | 1041 | 192 | 2 | 223 | 417 | 243 | 472 | 0 | 715 | 2173 |
| % App. Total | 0 | 0 | 0 | | 0 | 85 | 15 | | 46 | 0.5 | 53.5 | | 34 | 66 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .878 | .813 | .868 | .842 | .250 | .774 | .855 | .779 | .831 | .000 | .872 | .913 |

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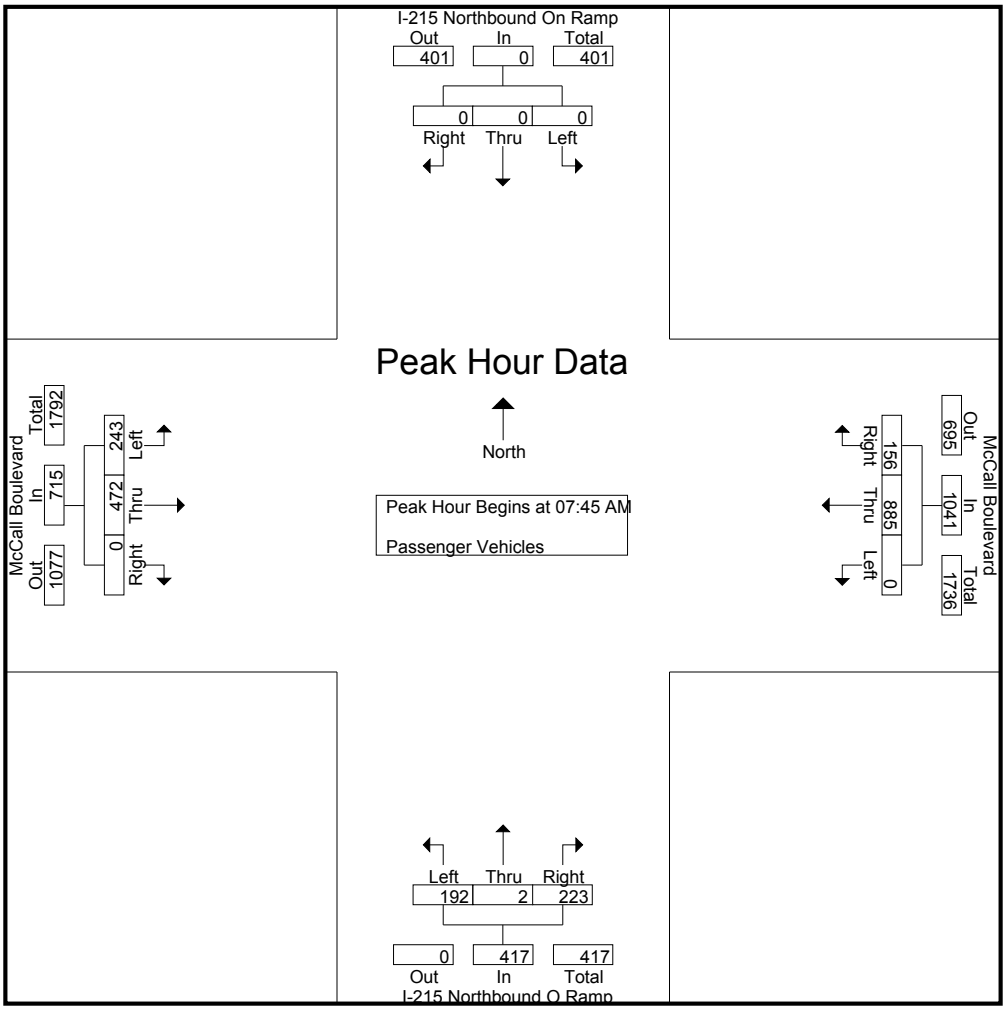
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 201 | 40 | 241 | **57** | 0 | 60 | 117 | 63 | **142** | 0 | **205** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 232 | 40 | 272 | 45 | 0 | 42 | 87 | 50 | 86 | 0 | 136 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 200 | 28 | 228 | 50 | 0 | **72** | **122** | 52 | 118 | 0 | 170 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **252** | **48** | **300** | 40 | **2** | 49 | 91 | **78** | 126 | 0 | 204 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 885 | 156 | 1041 | 192 | 2 | 223 | 417 | 243 | 472 | 0 | 715 |
| % App. Total | 0 | 0 | 0 | | 0 | 85 | 15 | | 46 | 0.5 | 53.5 | | 34 | 66 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .878 | .813 | .868 | .842 | .250 | .774 | .855 | .779 | .831 | .000 | .872 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 1 | 2 | 4 | 3 | 0 | 7 | 13 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 1 | 0 | 0 | 1 | 3 | 2 | 0 | 5 | 12 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 3 | 0 | 2 | 5 | 1 | 1 | 0 | 2 | 11 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 10 | 1 | 0 | 4 | 5 | 1 | 6 | 0 | 7 | 22 |
| Total | 0 | 0 | 0 | 0 | 0 | 14 | 10 | 24 | 6 | 0 | 7 | 13 | 9 | 12 | 0 | 21 | 58 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 0 | 1 | 3 | 2 | 0 | 5 | 12 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 1 | 1 | 4 | 5 | 0 | 9 | 14 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 1 | 0 | 1 | 2 | 2 | 1 | 0 | 3 | 11 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 1 | 2 | 8 | 0 | 10 | 13 |
| Total | 0 | 0 | 0 | 0 | 0 | 16 | 2 | 18 | 3 | 0 | 2 | 5 | 11 | 16 | 0 | 27 | 50 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 30 | 12 | 42 | 9 | 0 | 9 | 18 | 20 | 28 | 0 | 48 | 108 |
| Apprch % | 0 | 0 | 0 | | 0 | 71.4 | 28.6 | | 50 | 0 | 50 | | 41.7 | 58.3 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27.8 | 11.1 | 38.9 | 8.3 | 0 | 8.3 | 16.7 | 18.5 | 25.9 | 0 | 44.4 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 4 | **6** | **10** | **1** | 0 | **4** | **5** | 1 | **6** | 0 | 7 | **22** |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 0 | 1 | 3 | 2 | 0 | 5 | 12 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 1 | 1 | **4** | 5 | 0 | **9** | 14 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | **6** | 0 | 6 | 1 | 0 | 1 | 2 | 2 | 1 | 0 | 3 | 11 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 18 | 8 | 26 | 3 | 0 | 6 | 9 | 10 | 14 | 0 | 24 | 59 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.2 | 30.8 | | 33.3 | 0 | 66.7 | | 41.7 | 58.3 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .750 | .333 | .650 | .750 | .000 | .375 | .450 | .625 | .583 | .000 | .667 | .670 |

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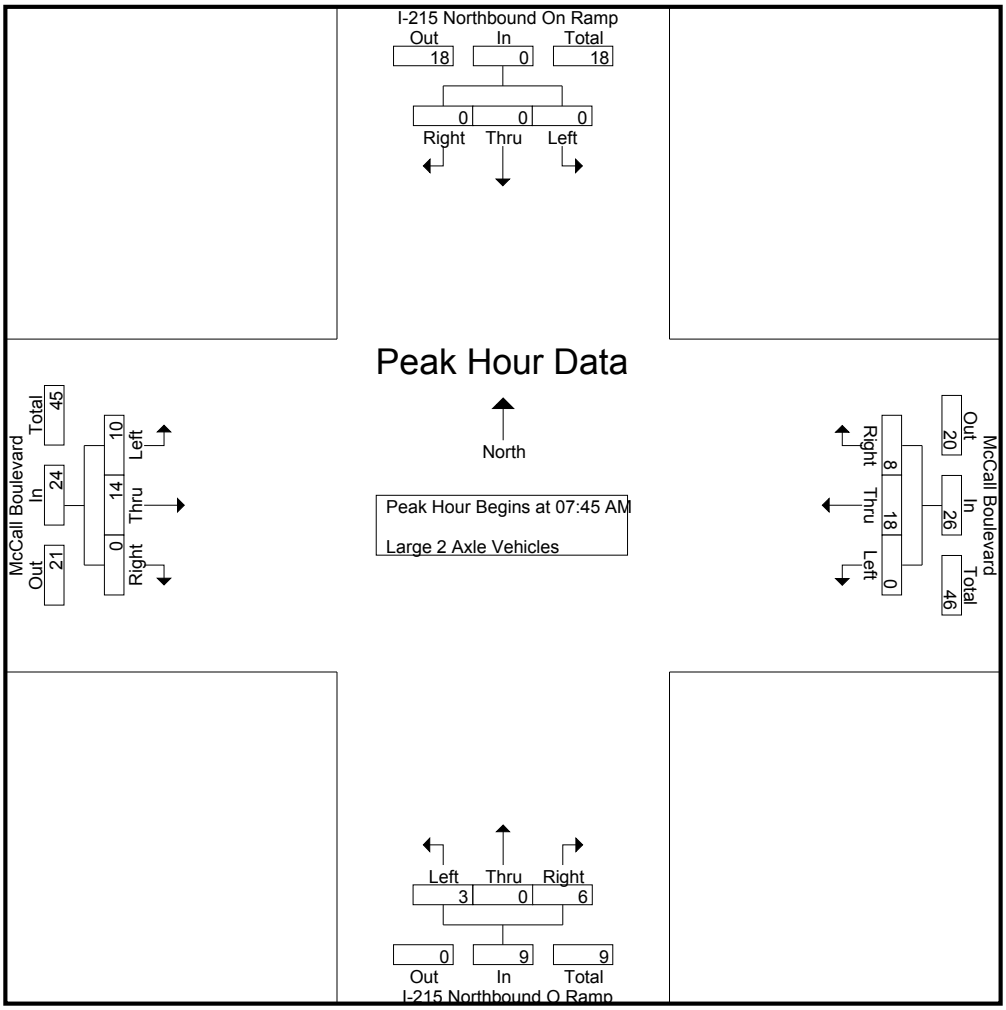
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 4 | **6** | **10** | **1** | 0 | **4** | **5** | 1 | **6** | 0 | 7 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 0 | 1 | 3 | 2 | 0 | 5 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 1 | 1 | **4** | 5 | 0 | **9** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **6** | 0 | 6 | 1 | 0 | 1 | 2 | 2 | 1 | 0 | 3 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 18 | 8 | 26 | 3 | 0 | 6 | 9 | 10 | 14 | 0 | 24 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.2 | 30.8 | | 33.3 | 0 | 66.7 | | 41.7 | 58.3 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .750 | .333 | .650 | .750 | .000 | .375 | .450 | .625 | .583 | .000 | .667 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 6 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 9 |
| Apprch % | 0 | 0 | 0 | | 0 | 66.7 | 33.3 | | 100 | 0 | 0 | | 50 | 50 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 44.4 | 22.2 | 66.7 | 11.1 | 0 | 0 | 11.1 | 11.1 | 11.1 | 0 | 22.2 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **3** |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 4 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 50 | 50 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .500 | .333 |

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City of Menifee
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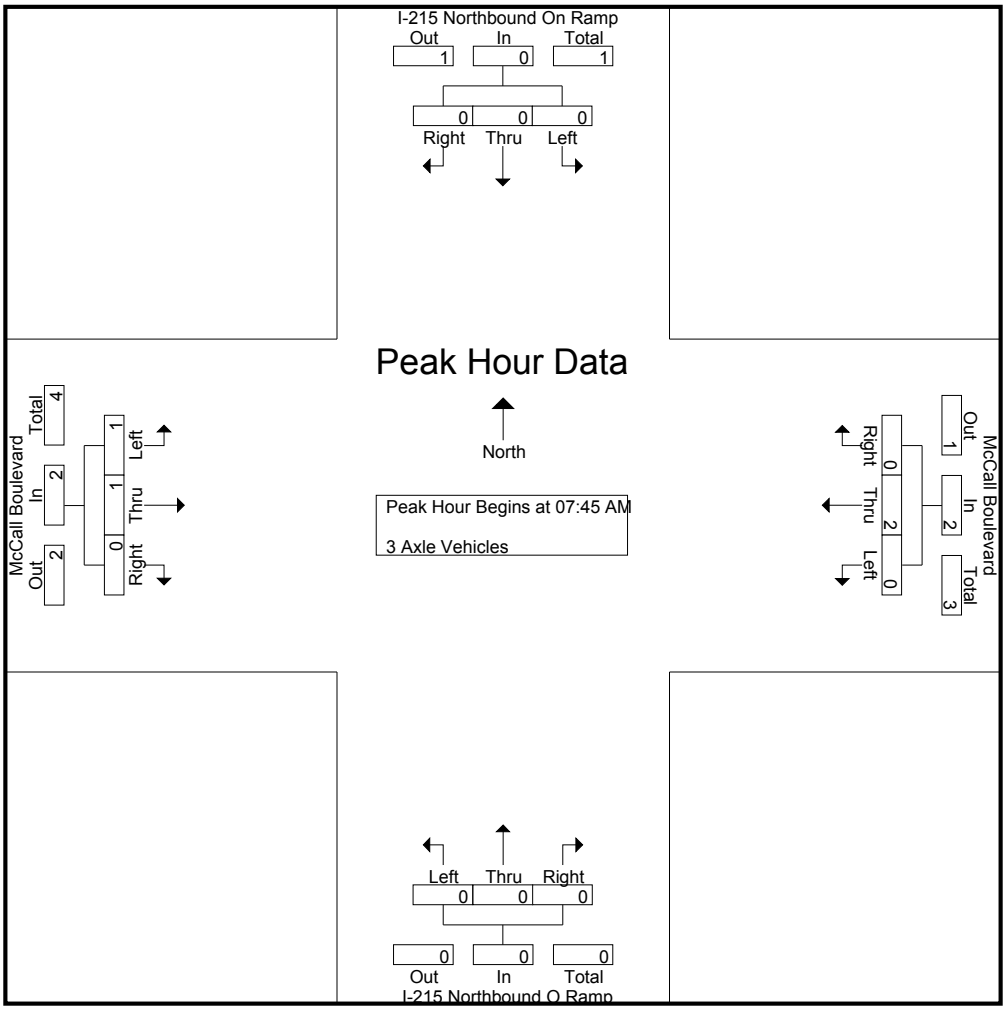
File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 0 | | 50 | 50 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .500 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 5 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 3 | 10 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 4 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 2 | 0 | 1 | 3 | 2 | 0 | 0 | 2 | 11 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 12 | 2 | 0 | 2 | 4 | 4 | 1 | 0 | 5 | 21 |
| Apprch % | 0 | 0 | 0 | | 0 | 83.3 | 16.7 | | 50 | 0 | 50 | | 80 | 20 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 47.6 | 9.5 | 57.1 | 9.5 | 0 | 9.5 | 19 | 19 | 4.8 | 0 | 23.8 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound O Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | **1** | **2** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 | 3 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | **2** | 0 | 2 | 0 | 0 | 0 | 0 | **2** | 0 | 0 | **2** | **4** |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 83.3 | 16.7 | | 100 | 0 | 0 | | 100 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .625 | .250 | .750 | .250 | .000 | .000 | .250 | .250 | .000 | .000 | .250 | .563 |

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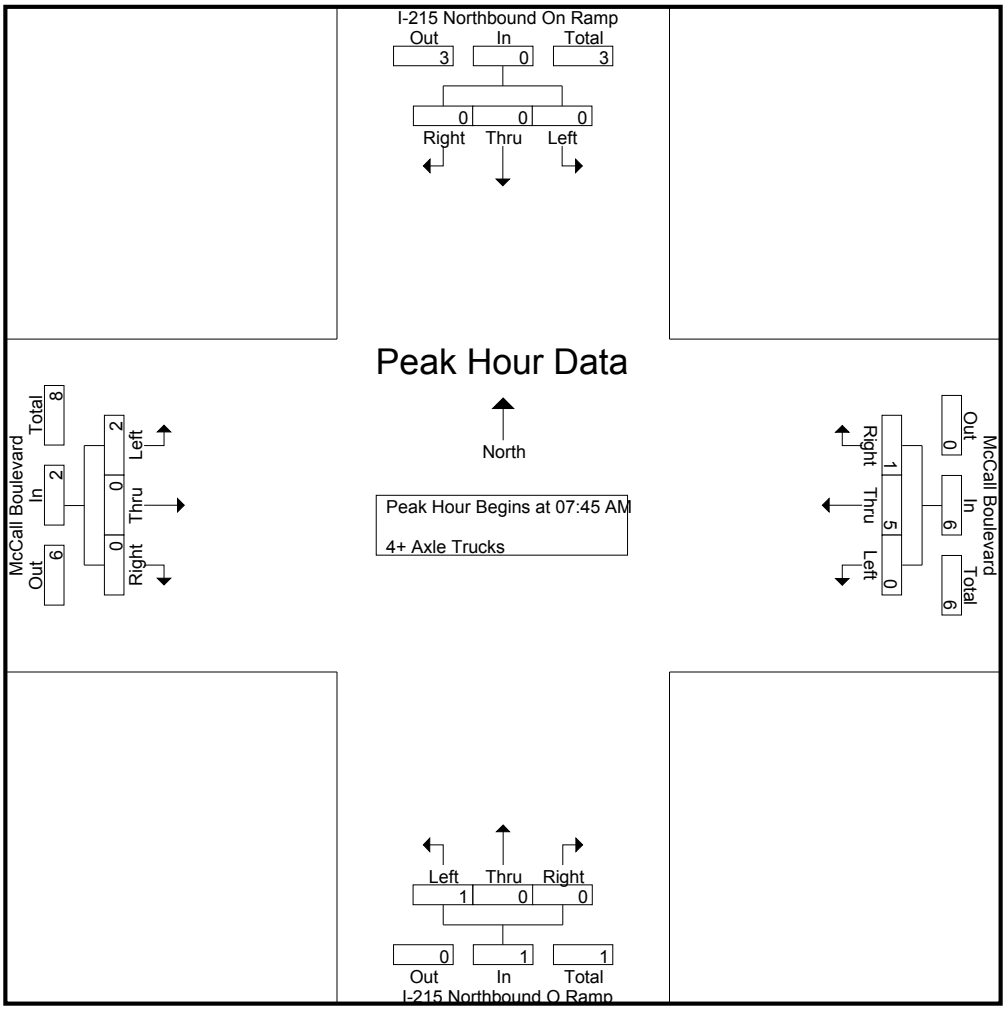
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 1 | **1** | **2** | **1** | 0 | 0 | **1** | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **2** | 0 | 2 | 0 | 0 | 0 | 0 | **2** | 0 | 0 | **2** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 83.3 | 16.7 | | 100 | 0 | 0 | | 100 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .625 | .250 | .750 | .250 | .000 | .000 | .250 | .250 | .000 | .000 | .250 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 174 | 37 | 211 | 80 | 0 | 92 | 172 | 78 | 189 | 0 | 267 | 650 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 177 | 19 | 196 | 83 | 1 | 85 | 169 | 56 | 194 | 0 | 250 | 615 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 177 | 28 | 205 | 94 | 0 | 94 | 188 | 54 | 199 | 0 | 253 | 646 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 188 | 19 | 207 | 63 | 0 | 97 | 160 | 75 | 221 | 0 | 296 | 663 |
| Total | 0 | 0 | 0 | 0 | 0 | 716 | 103 | 819 | 320 | 1 | 368 | 689 | 263 | 803 | 0 | 1066 | 2574 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 185 | 34 | 219 | 65 | 1 | 103 | 169 | 76 | 225 | 0 | 301 | 689 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | 71 | 0 | 114 | 185 | 64 | 237 | 0 | 301 | 690 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 158 | 29 | 187 | 67 | 0 | 109 | 176 | 49 | 240 | 0 | 289 | 652 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 186 | 40 | 226 | 67 | 0 | 102 | 169 | 43 | 215 | 0 | 258 | 653 |
| Total | 0 | 0 | 0 | 0 | 0 | 703 | 133 | 836 | 270 | 1 | 428 | 699 | 232 | 917 | 0 | 1149 | 2684 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1419 | 236 | 1655 | 590 | 2 | 796 | 1388 | 495 | 1720 | 0 | 2215 | 5258 |
| Apprch % | 0 | 0 | 0 | | 0 | 85.7 | 14.3 | | 42.5 | 0.1 | 57.3 | | 22.3 | 77.7 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27 | 4.5 | 31.5 | 11.2 | 0 | 15.1 | 26.4 | 9.4 | 32.7 | 0 | 42.1 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 1411 | 227 | 1638 | 579 | 2 | 788 | 1369 | 476 | 1702 | 0 | 2178 | 5185 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 99.4 | 96.2 | 99 | 98.1 | 100 | 99 | 98.6 | 96.2 | 99 | 0 | 98.3 | 98.6 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 16 | 11 | 0 | 6 | 17 | 18 | 16 | 0 | 34 | 67 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.6 | 3.4 | 1 | 1.9 | 0 | 0.8 | 1.2 | 3.6 | 0.9 | 0 | 1.5 | 1.3 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 4 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.1 | 0 | 0 | 0.3 | 0.1 | 0.2 | 0 | 0 | 0 | 0.1 |

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | **188** | 19 | 207 | 63 | 0 | 97 | 160 | 75 | 221 | 0 | 296 | 663 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 185 | **34** | **219** | 65 | **1** | 103 | 169 | **76** | 225 | 0 | **301** | 689 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | **71** | 0 | **114** | **185** | 64 | 237 | 0 | 301 | **690** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 158 | 29 | 187 | 67 | 0 | 109 | 176 | 49 | **240** | 0 | 289 | 652 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 705 | 112 | 817 | 266 | 1 | 423 | 690 | 264 | 923 | 0 | 1187 | 2694 |
| % App. Total | 0 | 0 | 0 | | 0 | 86.3 | 13.7 | | 38.6 | 0.1 | 61.3 | | 22.2 | 77.8 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .938 | .824 | .933 | .937 | .250 | .928 | .932 | .868 | .961 | .000 | .986 | .976 |

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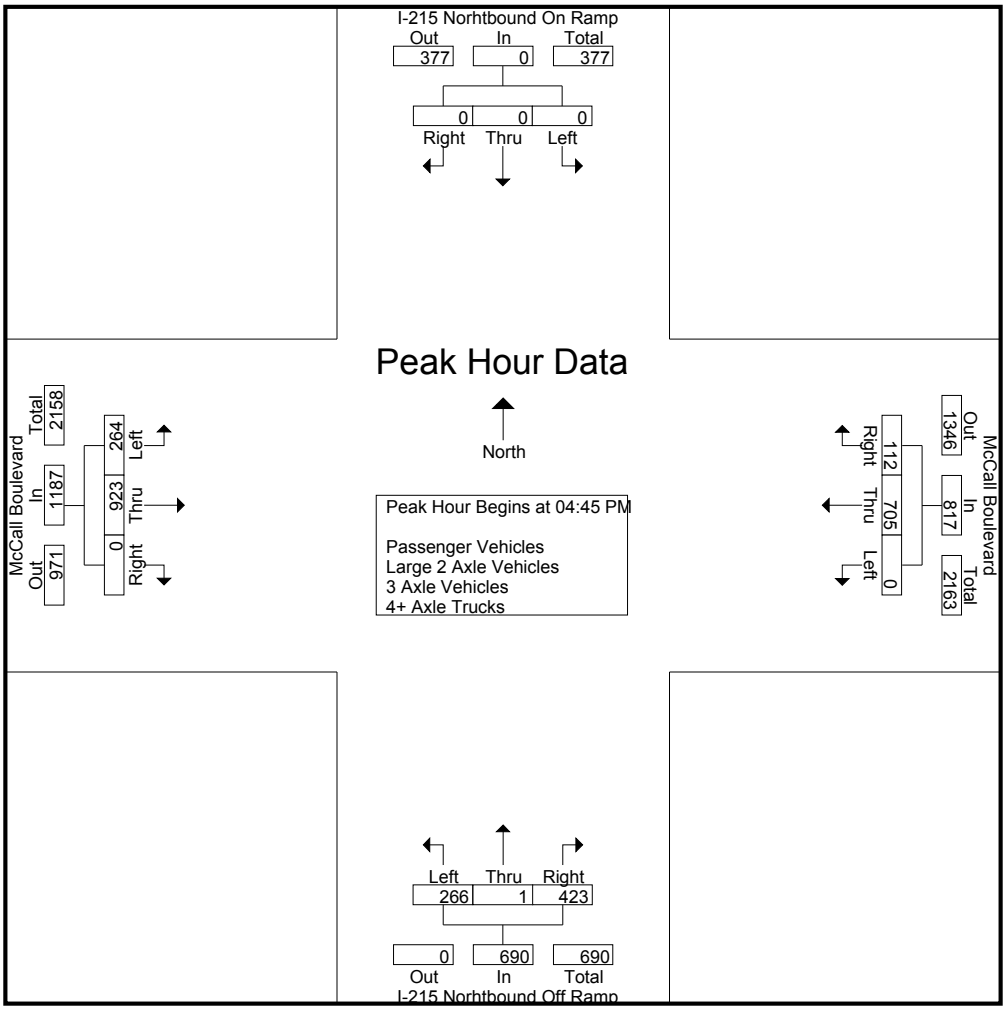
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 05:00 PM | | | | 04:30 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 185 | 34 | 219 | **94** | 0 | 94 | **188** | 75 | 221 | 0 | 296 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | 63 | 0 | 97 | 160 | **76** | 225 | 0 | **301** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 158 | 29 | 187 | 65 | **1** | 103 | 169 | 64 | 237 | 0 | 301 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **186** | **40** | **226** | 71 | 0 | **114** | 185 | 49 | **240** | 0 | 289 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 703 | 133 | 836 | 293 | 1 | 408 | 702 | 264 | 923 | 0 | 1187 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.1 | 15.9 | | 41.7 | 0.1 | 58.1 | | 22.2 | 77.8 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .945 | .831 | .925 | .779 | .250 | .895 | .934 | .868 | .961 | .000 | .986 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 172 | 35 | 207 | 78 | 0 | 92 | 170 | 76 | 186 | 0 | 262 | 639 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 173 | 18 | 191 | 81 | 1 | 85 | 167 | 52 | 192 | 0 | 244 | 602 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 176 | 28 | 204 | 90 | 0 | 91 | 181 | 52 | 198 | 0 | 250 | 635 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 187 | 17 | 204 | 63 | 0 | 95 | 158 | 73 | 218 | 0 | 291 | 653 |
| Total | 0 | 0 | 0 | 0 | 0 | 708 | 98 | 806 | 312 | 1 | 363 | 676 | 253 | 794 | 0 | 1047 | 2529 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 185 | 32 | 217 | 63 | 1 | 103 | 167 | 74 | 222 | 0 | 296 | 680 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | 70 | 0 | 113 | 183 | 61 | 235 | 0 | 296 | 683 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 158 | 27 | 185 | 67 | 0 | 107 | 174 | 46 | 236 | 0 | 282 | 641 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 186 | 40 | 226 | 67 | 0 | 102 | 169 | 42 | 215 | 0 | 257 | 652 |
| Total | 0 | 0 | 0 | 0 | 0 | 703 | 129 | 832 | 267 | 1 | 425 | 693 | 223 | 908 | 0 | 1131 | 2656 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1411 | 227 | 1638 | 579 | 2 | 788 | 1369 | 476 | 1702 | 0 | 2178 | 5185 |
| Apprch % | 0 | 0 | 0 | | 0 | 86.1 | 13.9 | | 42.3 | 0.1 | 57.6 | | 21.9 | 78.1 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27.2 | 4.4 | 31.6 | 11.2 | 0 | 15.2 | 26.4 | 9.2 | 32.8 | 0 | 42 | |

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | **187** | 17 | 204 | 63 | 0 | 95 | 158 | 73 | 218 | 0 | 291 | 653 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 185 | **32** | **217** | 63 | **1** | 103 | 167 | **74** | 222 | 0 | **296** | 680 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | **70** | 0 | **113** | **183** | 61 | 235 | 0 | 296 | **683** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 158 | 27 | 185 | 67 | 0 | 107 | 174 | 46 | **236** | 0 | 282 | 641 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 704 | 106 | 810 | 263 | 1 | 418 | 682 | 254 | 911 | 0 | 1165 | 2657 |
| % App. Total | 0 | 0 | 0 | | 0 | 86.9 | 13.1 | | 38.6 | 0.1 | 61.3 | | 21.8 | 78.2 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .941 | .828 | .933 | .939 | .250 | .925 | .932 | .858 | .965 | .000 | .984 | .973 |

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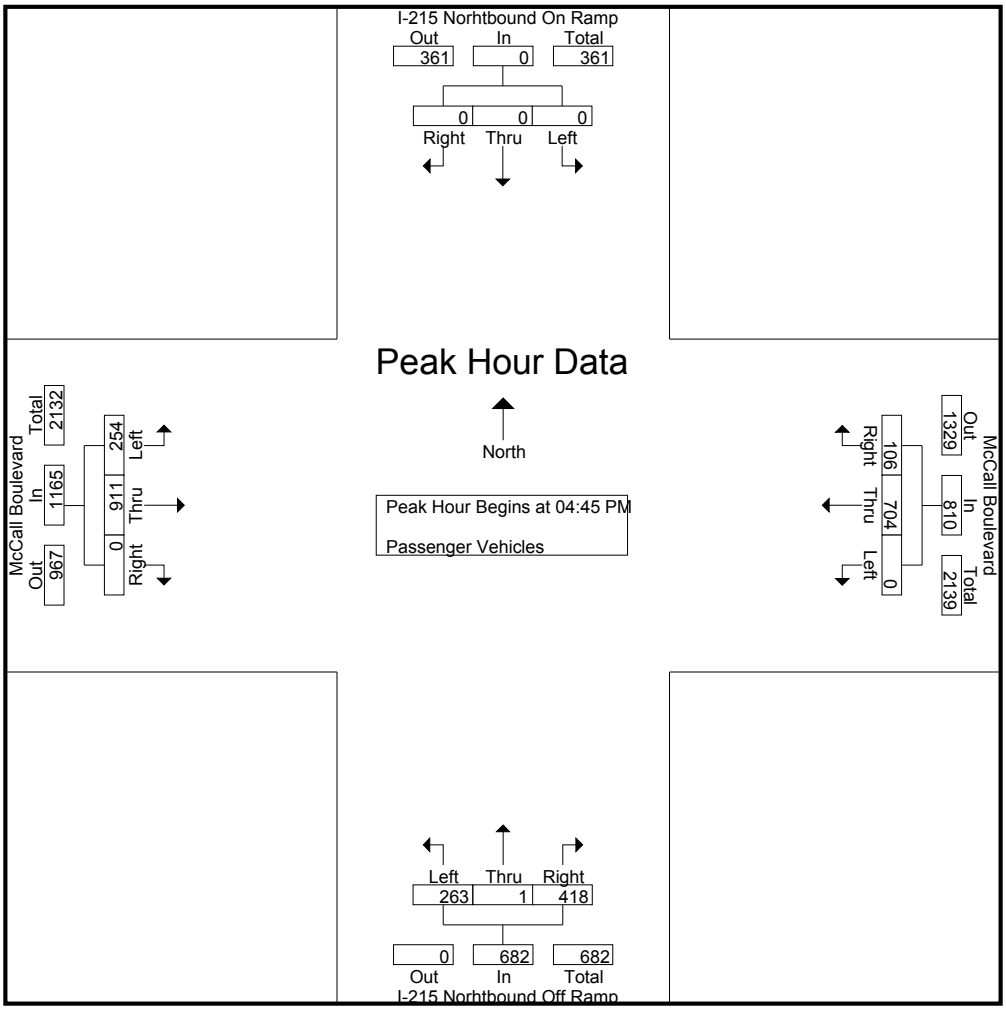
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **187** | 17 | 204 | 63 | 0 | 95 | 158 | 73 | 218 | 0 | 291 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 185 | **32** | **217** | 63 | **1** | 103 | 167 | **74** | 222 | 0 | **296** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 174 | 30 | 204 | **70** | 0 | **113** | **183** | 61 | 235 | 0 | 296 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 158 | 27 | 185 | 67 | 0 | 107 | 174 | 46 | **236** | 0 | 282 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 704 | 106 | 810 | 263 | 1 | 418 | 682 | 254 | 911 | 0 | 1165 |
| % App. Total | 0 | 0 | 0 | | 0 | 86.9 | 13.1 | | 38.6 | 0.1 | 61.3 | | 21.8 | 78.2 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .941 | .828 | .933 | .939 | .250 | .925 | .932 | .858 | .965 | .000 | .984 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 2 | 0 | 0 | 2 | 2 | 2 | 0 | 4 | 10 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 2 | 0 | 0 | 2 | 4 | 2 | 0 | 6 | 13 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 2 | 6 | 2 | 1 | 0 | 3 | 10 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 2 | 2 | 2 | 3 | 0 | 5 | 10 |
| Total | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 13 | 8 | 0 | 4 | 12 | 10 | 8 | 0 | 18 | 43 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 2 | 3 | 0 | 5 | 8 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 1 | 0 | 4 | 5 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 4 | 0 | 6 | 10 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 2 | 5 | 8 | 8 | 0 | 16 | 24 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 16 | 11 | 0 | 6 | 17 | 18 | 16 | 0 | 34 | 67 |
| Apprch % | 0 | 0 | 0 | | 0 | 50 | 50 | | 64.7 | 0 | 35.3 | | 52.9 | 47.1 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 11.9 | 11.9 | 23.9 | 16.4 | 0 | 9 | 25.4 | 26.9 | 23.9 | 0 | 50.7 | |

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | **1** | **2** | **3** | 0 | 0 | **2** | **2** | 2 | 3 | 0 | 5 | **10** |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | **2** | 0 | 0 | 2 | 2 | 3 | 0 | 5 | 8 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | **3** | 1 | 0 | 4 | 5 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | **4** | 0 | **6** | 10 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 3 | 0 | 4 | 7 | 9 | 11 | 0 | 20 | 33 |
| % App. Total | 0 | 0 | 0 | | 0 | 16.7 | 83.3 | | 42.9 | 0 | 57.1 | | 45 | 55 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .625 | .500 | .375 | .000 | .500 | .875 | .750 | .688 | .000 | .833 | .825 |

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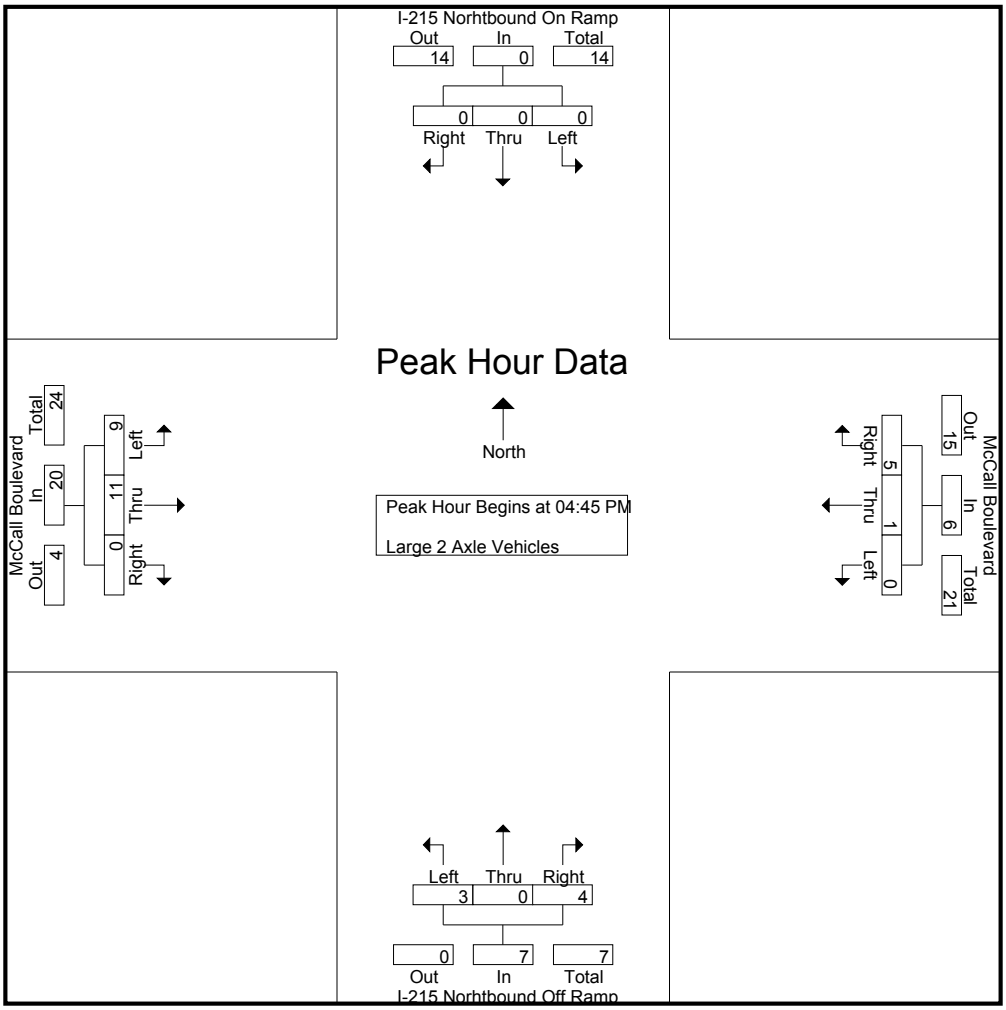
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **1** | **2** | **3** | 0 | 0 | **2** | **2** | 2 | 3 | 0 | 5 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | **2** | 0 | 0 | 2 | 2 | 3 | 0 | 5 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | **3** | 1 | 0 | 4 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | **4** | 0 | **6** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 3 | 0 | 4 | 7 | 9 | 11 | 0 | 20 |
| % App. Total | 0 | 0 | 0 | | 0 | 16.7 | 83.3 | | 42.9 | 0 | 57.1 | | 45 | 55 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .625 | .500 | .375 | .000 | .500 | .875 | .750 | .688 | .000 | .833 |

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(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | |

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .250 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
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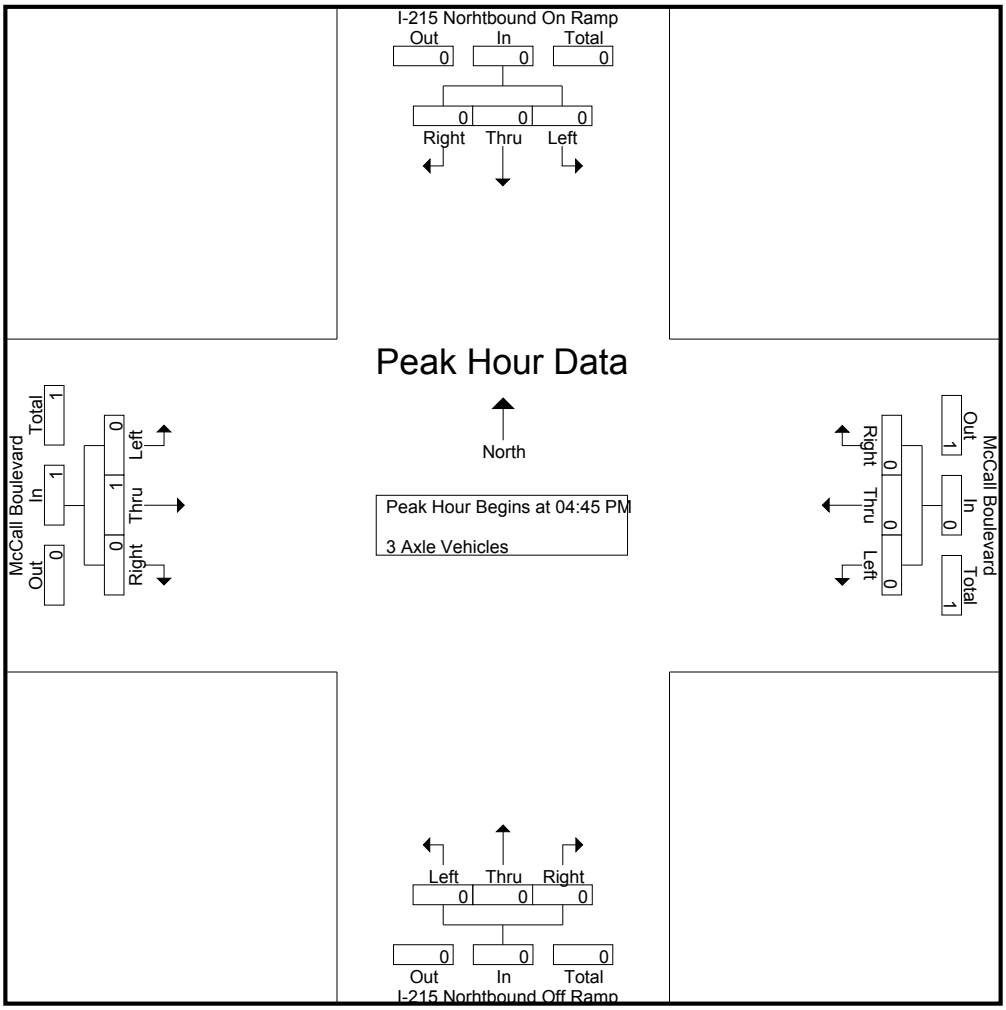
File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 |

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City of Menifee
N/S: I-215 Northbound Ramps
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Weather: Sunny

File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 3 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 4 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 100 | | 100 | 0 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 0 | 50 | 50 | 25 | 0 | 0 | 25 | |

| | I-215 Norhtbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Norhtbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 3 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 100 | | 100 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .000 | .250 | .250 | .250 | .000 | .000 | .250 | .750 |

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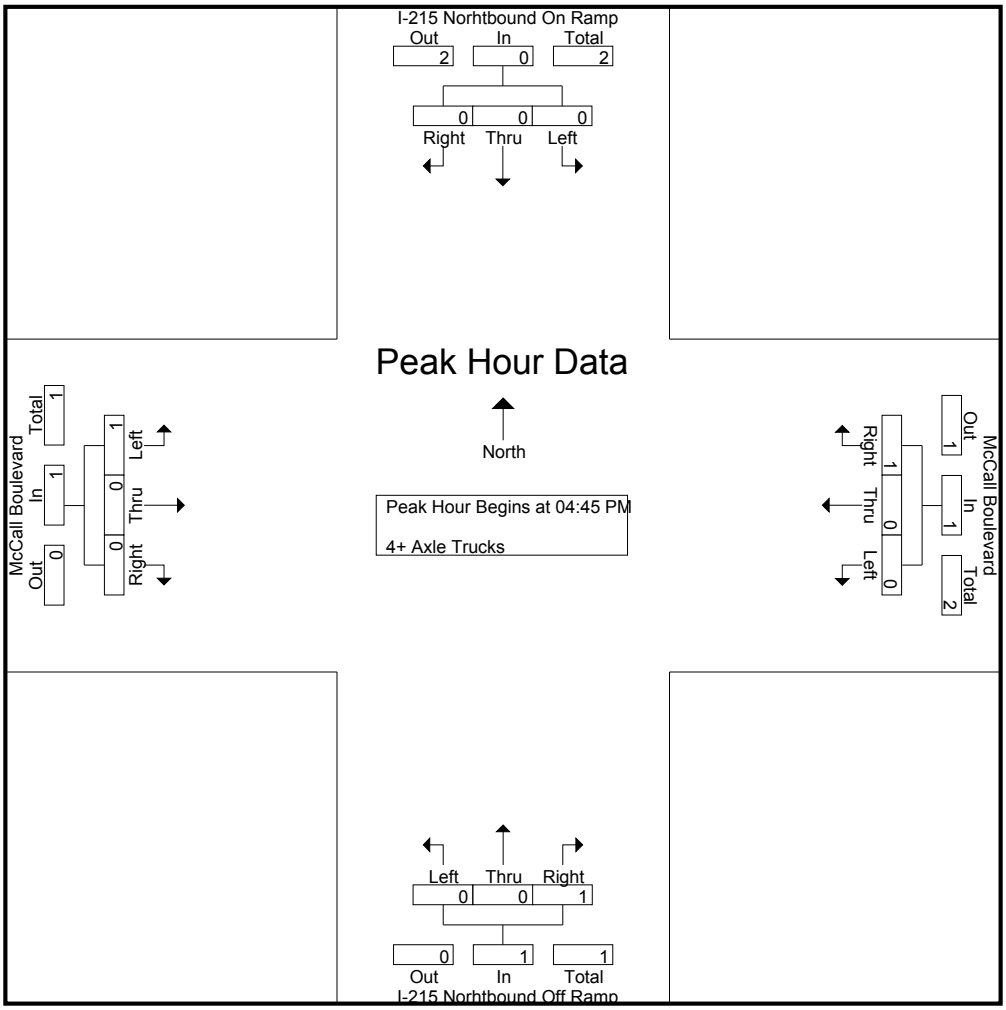
File Name : MEN215NMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 100 | | 100 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .000 | .250 | .250 | .250 | .000 | .000 | .250 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 200 | 51 | 251 | 51 | 3 | 56 | 110 | 70 | 179 | 0 | 249 | 610 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 241 | 39 | 280 | 64 | 1 | 75 | 140 | 57 | 164 | 0 | 221 | 641 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 213 | 41 | 254 | 73 | 1 | 83 | 157 | 64 | 155 | 0 | 219 | 630 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 202 | 30 | 232 | 76 | 0 | 67 | 143 | 78 | 142 | 0 | 220 | 595 |
| Total | 0 | 0 | 0 | 0 | 0 | 856 | 161 | 1017 | 264 | 5 | 281 | 550 | 269 | 640 | 0 | 909 | 2476 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 180 | 40 | 220 | 72 | 0 | 74 | 146 | 72 | 168 | 0 | 240 | 606 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 177 | 27 | 204 | 85 | 0 | 65 | 150 | 63 | 161 | 0 | 224 | 578 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 188 | 17 | 205 | 65 | 2 | 62 | 129 | 83 | 166 | 0 | 249 | 583 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 192 | 37 | 229 | 54 | 1 | 57 | 112 | 69 | 155 | 0 | 224 | 565 |
| Total | 0 | 0 | 0 | 0 | 0 | 737 | 121 | 858 | 276 | 3 | 258 | 537 | 287 | 650 | 0 | 937 | 2332 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1593 | 282 | 1875 | 540 | 8 | 539 | 1087 | 556 | 1290 | 0 | 1846 | 4808 |
| Apprch % | 0 | 0 | 0 | | 0 | 85 | 15 | | 49.7 | 0.7 | 49.6 | | 30.1 | 69.9 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 33.1 | 5.9 | 39 | 11.2 | 0.2 | 11.2 | 22.6 | 11.6 | 26.8 | 0 | 38.4 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 1576 | 279 | 1855 | 533 | 7 | 531 | 1071 | 538 | 1276 | 0 | 1814 | 4740 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 98.9 | 98.9 | 98.9 | 98.7 | 87.5 | 98.5 | 98.5 | 96.8 | 98.9 | 0 | 98.3 | 98.6 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 15 | 7 | 0 | 7 | 14 | 14 | 14 | 0 | 28 | 57 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.4 | 0.8 | 1.3 | 0 | 1.3 | 1.3 | 2.5 | 1.1 | 0 | 1.5 | 1.2 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 4 | 10 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.7 | 0.3 | 0 | 12.5 | 0 | 0.1 | 0.7 | 0 | 0 | 0.2 | 0.2 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.1 | 0 | 0 | 0 | 0 | 0 |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 200 | **51** | 251 | 51 | **3** | 56 | 110 | 70 | **179** | 0 | **249** | 610 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | **241** | 39 | **280** | 64 | 1 | 75 | 140 | 57 | 164 | 0 | 221 | **641** |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 213 | 41 | 254 | 73 | 1 | **83** | **157** | 64 | 155 | 0 | 219 | 630 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 202 | 30 | 232 | **76** | 0 | 67 | 143 | **78** | 142 | 0 | 220 | 595 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 856 | 161 | 1017 | 264 | 5 | 281 | 550 | 269 | 640 | 0 | 909 | 2476 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.2 | 15.8 | | 48 | 0.9 | 51.1 | | 29.6 | 70.4 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .888 | .789 | .908 | .868 | .417 | .846 | .876 | .862 | .894 | .000 | .913 | .966 |

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City of Menifee
N/S: I-215 Northbound Ramps
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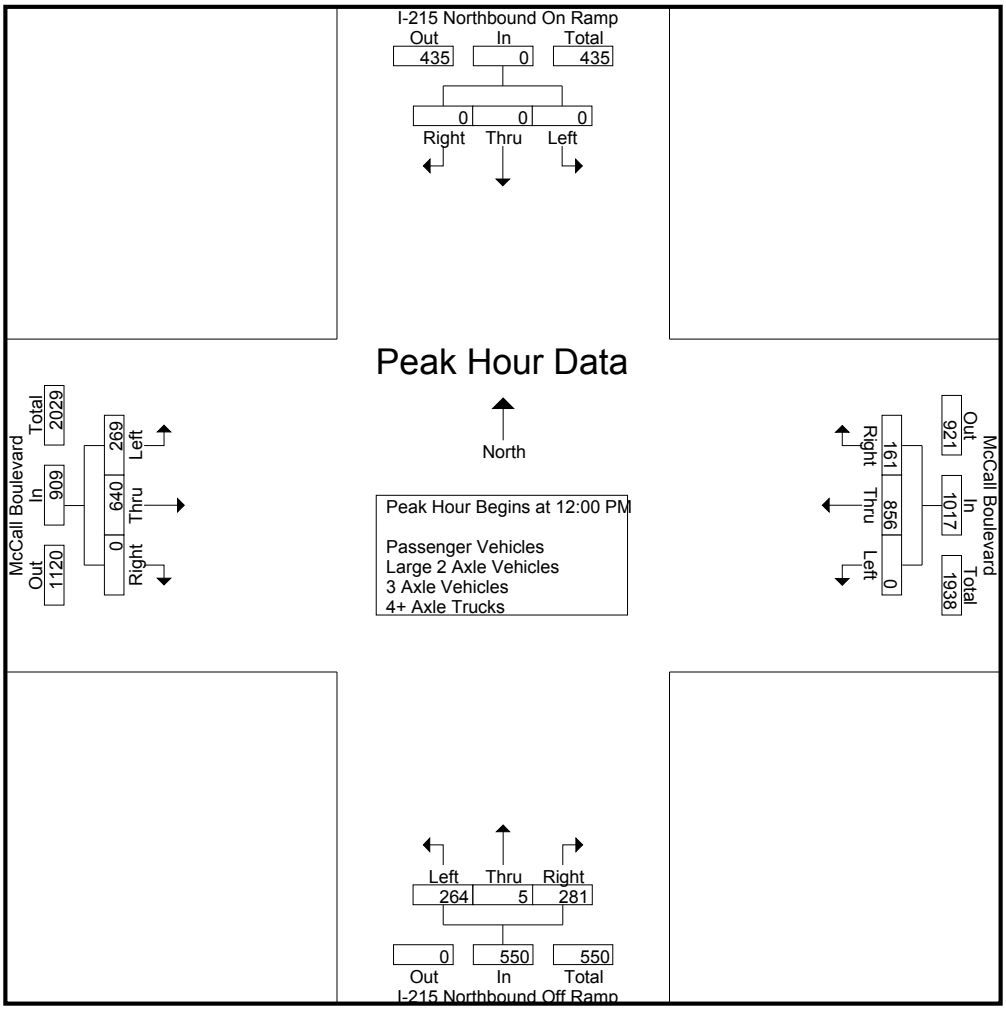
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:30 PM | | | | 01:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 200 | **51** | 251 | 73 | **1** | **83** | **157** | 72 | **168** | 0 | 240 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **241** | 39 | **280** | 76 | 0 | 67 | 143 | 63 | 161 | 0 | 224 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 213 | 41 | 254 | 72 | 0 | 74 | 146 | **83** | 166 | 0 | **249** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 202 | 30 | 232 | **85** | 0 | 65 | 150 | 69 | 155 | 0 | 224 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 856 | 161 | 1017 | 306 | 1 | 289 | 596 | 287 | 650 | 0 | 937 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.2 | 15.8 | | 51.3 | 0.2 | 48.5 | | 30.6 | 69.4 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .888 | .789 | .908 | .900 | .250 | .870 | .949 | .864 | .967 | .000 | .941 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 197 | 48 | 245 | 49 | 3 | 54 | 106 | 70 | 177 | 0 | 247 | 598 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 238 | 39 | 277 | 64 | 1 | 74 | 139 | 52 | 162 | 0 | 214 | 630 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 208 | 41 | 249 | 73 | 0 | 81 | 154 | 61 | 153 | 0 | 214 | 617 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 200 | 30 | 230 | 73 | 0 | 67 | 140 | 77 | 140 | 0 | 217 | 587 |
| Total | 0 | 0 | 0 | 0 | 0 | 843 | 158 | 1001 | 259 | 4 | 276 | 539 | 260 | 632 | 0 | 892 | 2432 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 179 | 40 | 219 | 72 | 0 | 74 | 146 | 70 | 166 | 0 | 236 | 601 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 176 | 27 | 203 | 85 | 0 | 64 | 149 | 60 | 160 | 0 | 220 | 572 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 188 | 17 | 205 | 64 | 2 | 62 | 128 | 81 | 165 | 0 | 246 | 579 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 190 | 37 | 227 | 53 | 1 | 55 | 109 | 67 | 153 | 0 | 220 | 556 |
| Total | 0 | 0 | 0 | 0 | 0 | 733 | 121 | 854 | 274 | 3 | 255 | 532 | 278 | 644 | 0 | 922 | 2308 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1576 | 279 | 1855 | 533 | 7 | 531 | 1071 | 538 | 1276 | 0 | 1814 | 4740 |
| Apprch % | 0 | 0 | 0 | | 0 | 85 | 15 | | 49.8 | 0.7 | 49.6 | | 29.7 | 70.3 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 33.2 | 5.9 | 39.1 | 11.2 | 0.1 | 11.2 | 22.6 | 11.4 | 26.9 | 0 | 38.3 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 197 | **48** | 245 | 49 | **3** | 54 | 106 | 70 | **177** | 0 | **247** | 598 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | **238** | 39 | **277** | 64 | 1 | 74 | 139 | 52 | 162 | 0 | 214 | **630** |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 208 | 41 | 249 | **73** | 0 | **81** | **154** | 61 | 153 | 0 | 214 | 617 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 200 | 30 | 230 | 73 | 0 | 67 | 140 | **77** | 140 | 0 | 217 | 587 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 843 | 158 | 1001 | 259 | 4 | 276 | 539 | 260 | 632 | 0 | 892 | 2432 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.2 | 15.8 | | 48.1 | 0.7 | 51.2 | | 29.1 | 70.9 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .886 | .823 | .903 | .887 | .333 | .852 | .875 | .844 | .893 | .000 | .903 | .965 |

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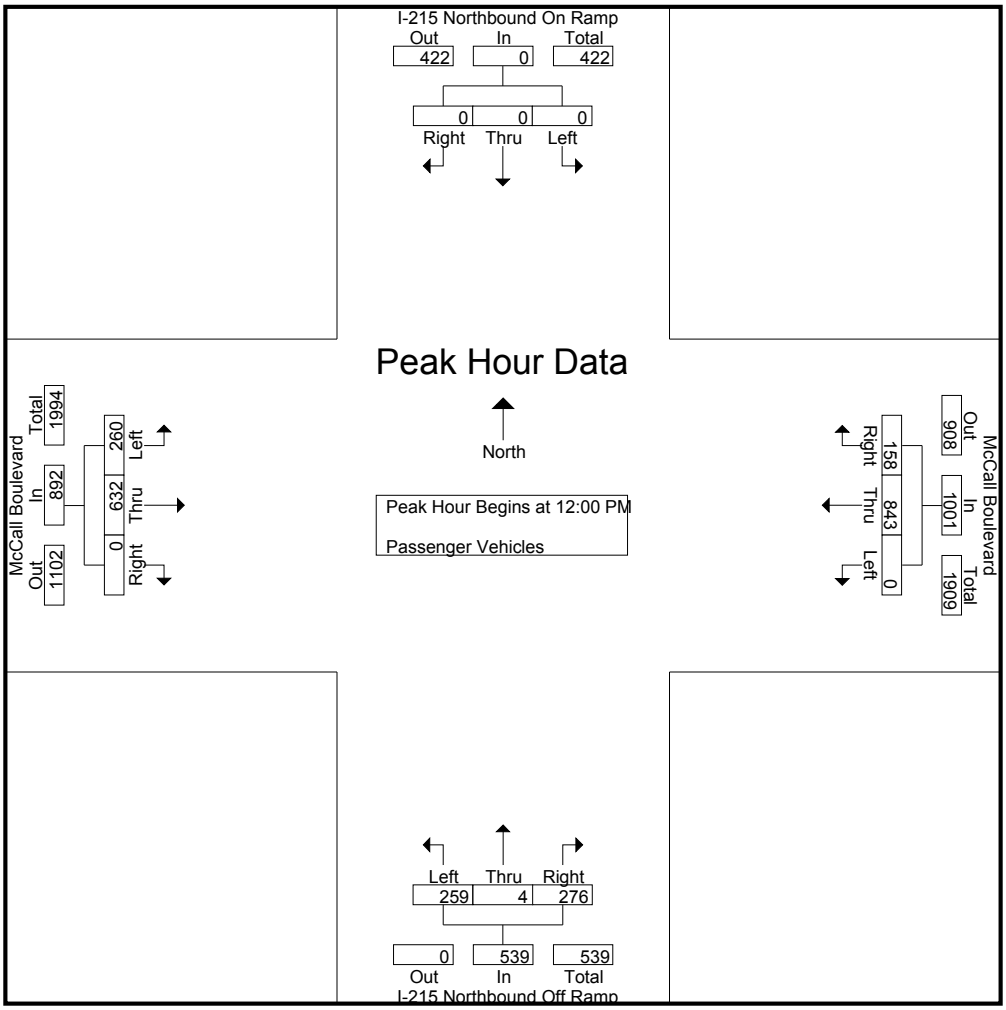
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 197 | **48** | 245 | 49 | **3** | 54 | 106 | 70 | **177** | 0 | **247** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **238** | 39 | **277** | 64 | 1 | 74 | 139 | 52 | 162 | 0 | 214 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 208 | 41 | 249 | **73** | 0 | **81** | **154** | 61 | 153 | 0 | 214 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 200 | 30 | 230 | 73 | 0 | 67 | 140 | **77** | 140 | 0 | 217 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 843 | 158 | 1001 | 259 | 4 | 276 | 539 | 260 | 632 | 0 | 892 |
| % App. Total | 0 | 0 | 0 | | 0 | 84.2 | 15.8 | | 48.1 | 0.7 | 51.2 | | 29.1 | 70.9 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .886 | .823 | .903 | .887 | .333 | .852 | .875 | .844 | .893 | .000 | .903 |

Counts Unlimited, Inc.
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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 2 | 4 | 0 | 2 | 0 | 2 | 8 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | 8 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | 10 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 0 | 0 | 3 | 1 | 2 | 0 | 3 | 8 |
| Total | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 12 | 5 | 0 | 4 | 9 | 5 | 8 | 0 | 13 | 34 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 5 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 4 | 6 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 4 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 3 | 2 | 2 | 0 | 4 | 8 |
| Total | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 0 | 3 | 5 | 9 | 6 | 0 | 15 | 23 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 15 | 7 | 0 | 7 | 14 | 14 | 14 | 0 | 28 | 57 |
| Apprch % | 0 | 0 | 0 | | 0 | 93.3 | 6.7 | | 50 | 0 | 50 | | 50 | 50 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 24.6 | 1.8 | 26.3 | 12.3 | 0 | 12.3 | 24.6 | 24.6 | 24.6 | 0 | 49.1 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | **1** | 2 | 2 | 0 | **2** | **4** | 0 | **2** | 0 | 2 | 8 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 1 | 1 | **2** | 2 | 0 | **4** | 8 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | **10** |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | **3** | 0 | 0 | 3 | 1 | 2 | 0 | 3 | 8 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 12 | 5 | 0 | 4 | 9 | 5 | 8 | 0 | 13 | 34 |
| % App. Total | 0 | 0 | 0 | | 0 | 91.7 | 8.3 | | 55.6 | 0 | 44.4 | | 38.5 | 61.5 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .550 | .250 | .600 | .417 | .000 | .500 | .563 | .625 | 1.00 | .000 | .813 | .850 |

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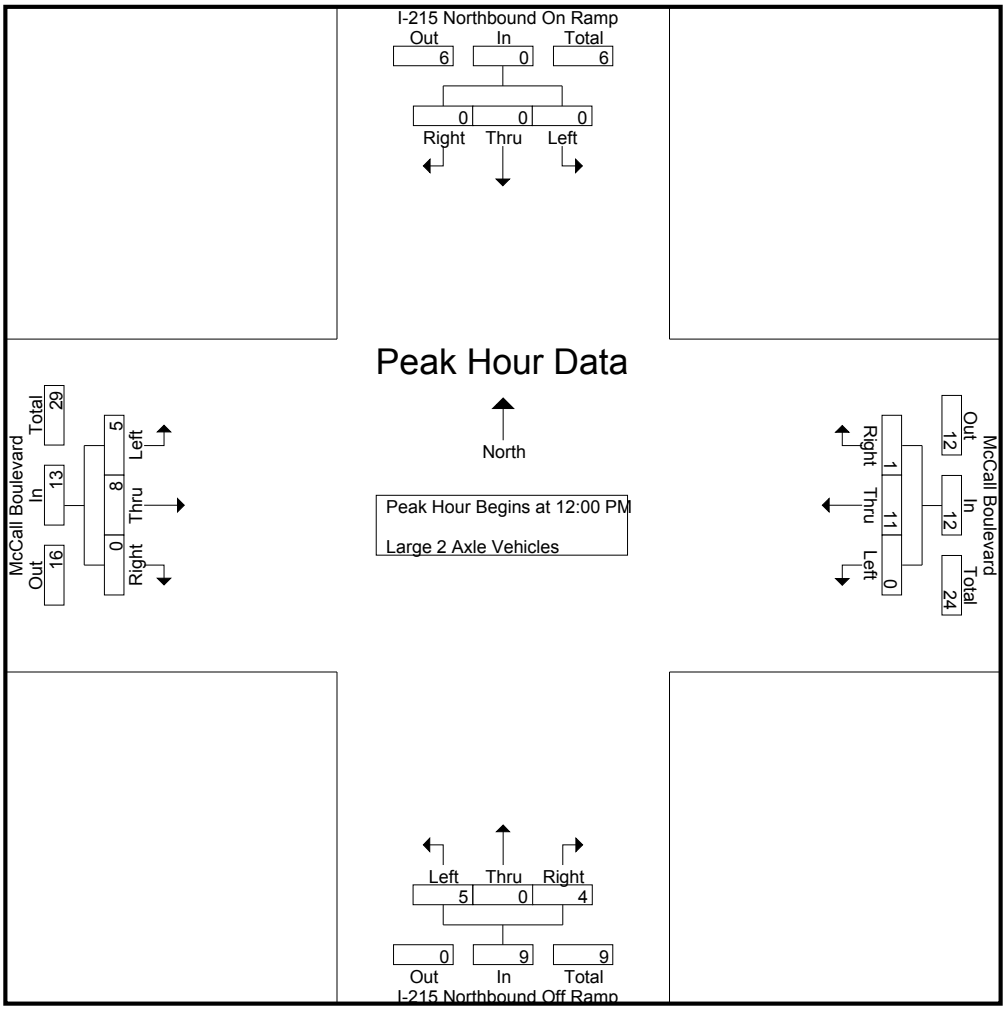
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 1 | **1** | 2 | 2 | 0 | **2** | **4** | 0 | **2** | 0 | 2 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 1 | 1 | **2** | 2 | 0 | **4** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **5** | 0 | **5** | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 4 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | **3** | 0 | 0 | 3 | 1 | 2 | 0 | 3 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 12 | 5 | 0 | 4 | 9 | 5 | 8 | 0 | 13 |
| % App. Total | 0 | 0 | 0 | | 0 | 91.7 | 8.3 | | 55.6 | 0 | 44.4 | | 38.5 | 61.5 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .550 | .250 | .600 | .417 | .000 | .500 | .563 | .625 | 1.000 | .000 | .813 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 3 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 4 | 9 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 4 | 10 |
| Apprch % | 0 | 0 | 0 | | 0 | 60 | 40 | | 0 | 100 | 0 | | 100 | 0 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 30 | 20 | 50 | 0 | 10 | 0 | 10 | 40 | 0 | 0 | 40 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | **2** | **2** | **4** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **4** |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 0 | **3** | 3 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 | 0 | 0 | 1 | 2 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 4 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 50 | 50 | | 0 | 100 | 0 | | 100 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .250 | .000 | .250 | .000 | .250 | .333 | .000 | .000 | .333 | .563 |

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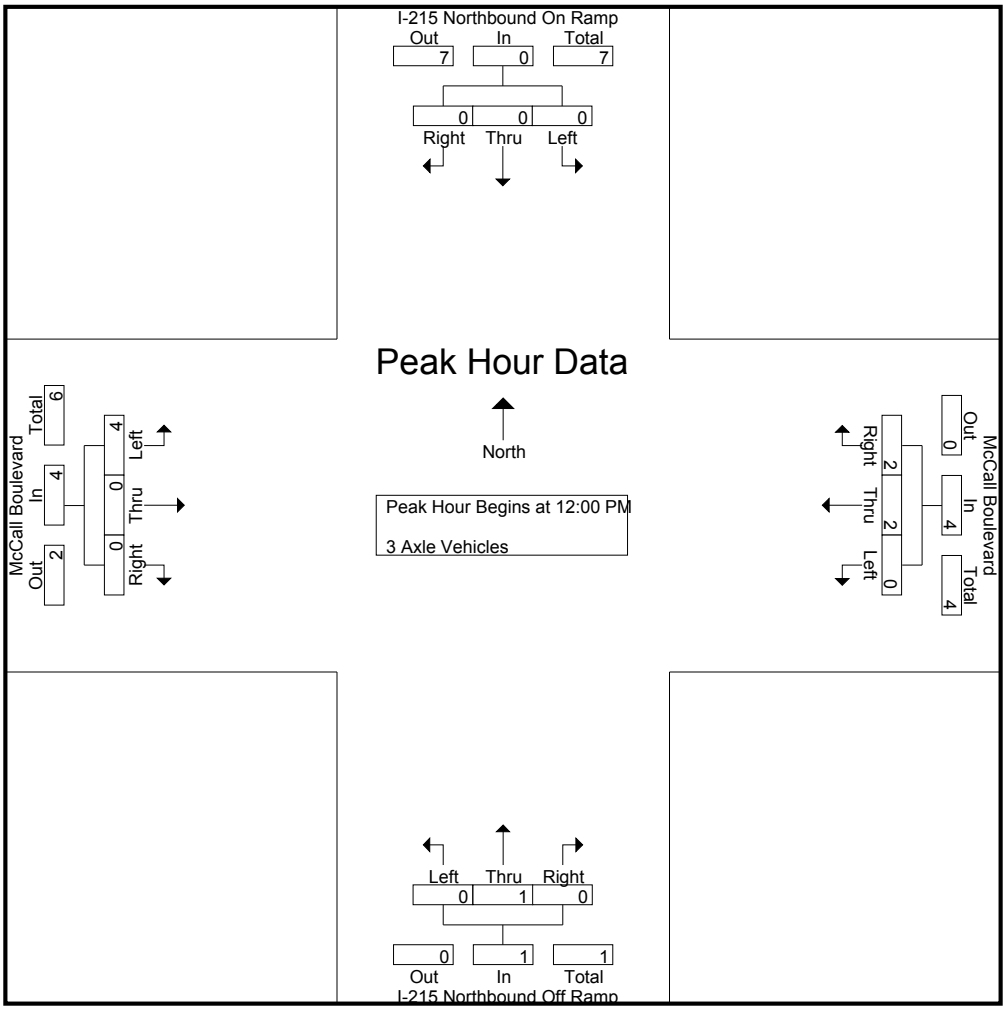
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **2** | **2** | **4** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **3** | 0 | 0 | **3** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 1 | 0 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 4 |
| % App. Total | 0 | 0 | 0 | | 0 | 50 | 50 | | 0 | 100 | 0 | | 100 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .250 | .000 | .250 | .000 | .250 | .333 | .000 | .000 | .333 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 01:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 0 | |

| | I-215 Northbound On Ramp Southbound | | | | McCall Boulevard Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | **1** |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .000 | .000 | .000 | .250 |

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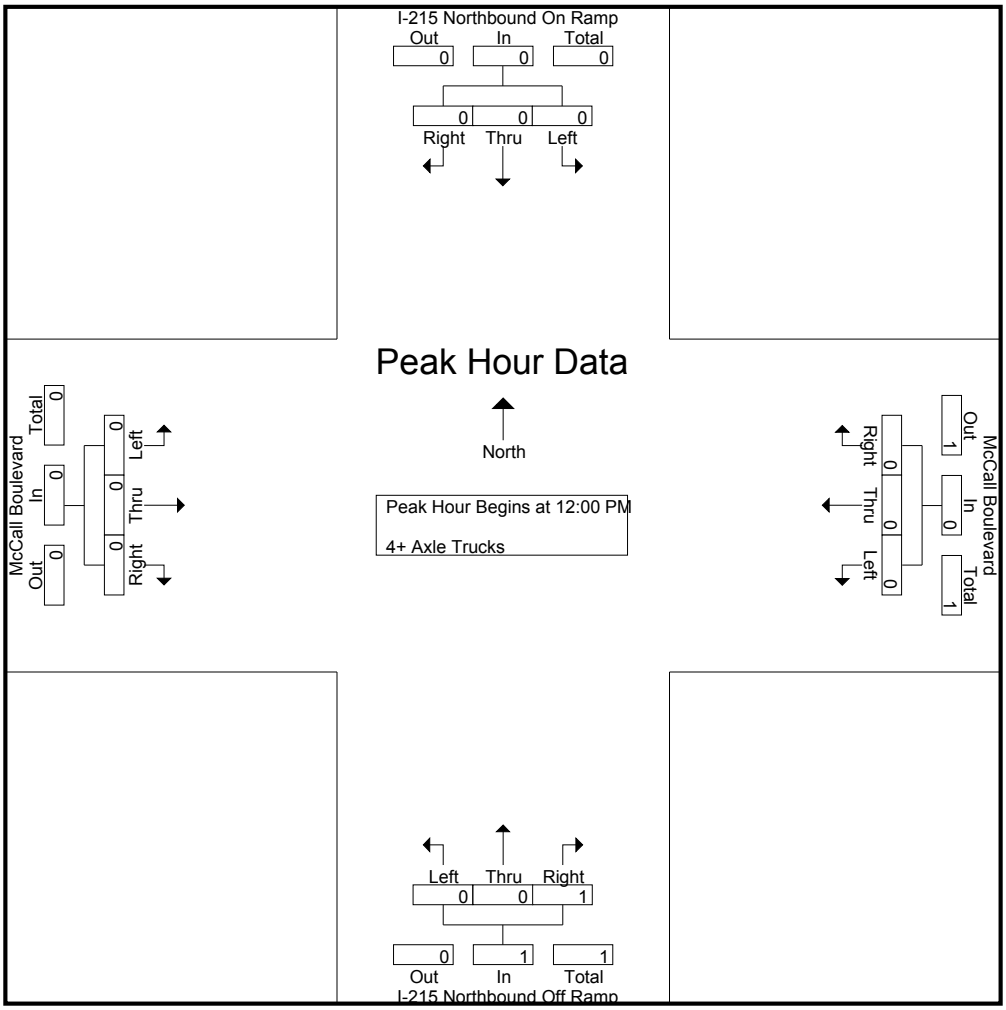
City of Menifee
N/S: I-215 Northbound Ramps
E/W: McCall Boulevard
Weather: Sunny

File Name : MEN215NMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 12:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .250 | .250 | .000 | .000 | .000 | .000 |

Counts Unlimited, Inc.
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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 290 | 96 | 386 | 34 | 0 | 83 | 117 | 66 | 151 | 0 | 217 | 720 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 346 | 100 | 446 | 63 | 1 | 99 | 163 | 64 | 237 | 0 | 301 | 910 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 376 | 119 | 495 | 42 | 0 | 91 | 133 | 59 | 303 | 0 | 362 | 990 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 371 | 117 | 488 | 71 | 0 | 101 | 172 | 60 | 284 | 0 | 344 | 1004 |
| Total | 0 | 0 | 0 | 0 | 0 | 1383 | 432 | 1815 | 210 | 1 | 374 | 585 | 249 | 975 | 0 | 1224 | 3624 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 298 | 68 | 366 | 48 | 0 | 79 | 127 | 63 | 231 | 0 | 294 | 787 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 328 | 110 | 438 | 62 | 0 | 87 | 149 | 44 | 220 | 0 | 264 | 851 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 313 | 87 | 400 | 66 | 1 | 85 | 152 | 65 | 225 | 0 | 290 | 842 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 292 | 63 | 355 | 81 | 0 | 77 | 158 | 68 | 210 | 0 | 278 | 791 |
| Total | 0 | 0 | 0 | 0 | 0 | 1231 | 328 | 1559 | 257 | 1 | 328 | 586 | 240 | 886 | 0 | 1126 | 3271 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2614 | 760 | 3374 | 467 | 2 | 702 | 1171 | 489 | 1861 | 0 | 2350 | 6895 |
| Apprch % | 0 | 0 | 0 | | 0 | 77.5 | 22.5 | | 39.9 | 0.2 | 59.9 | | 20.8 | 79.2 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 37.9 | 11 | 48.9 | 6.8 | 0 | 10.2 | 17 | 7.1 | 27 | 0 | 34.1 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 2565 | 734 | 3299 | 452 | 2 | 669 | 1123 | 464 | 1789 | 0 | 2253 | 6675 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 98.1 | 96.6 | 97.8 | 96.8 | 100 | 95.3 | 95.9 | 94.9 | 96.1 | 0 | 95.9 | 96.8 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 35 | 16 | 51 | 9 | 0 | 21 | 30 | 19 | 61 | 0 | 80 | 161 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 1.3 | 2.1 | 1.5 | 1.9 | 0 | 3 | 2.6 | 3.9 | 3.3 | 0 | 3.4 | 2.3 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 7 | 15 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.7 | 0.2 | 0 | 0 | 0.1 | 0.1 | 0.6 | 0.2 | 0 | 0.3 | 0.2 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 17 | 6 | 0 | 11 | 17 | 3 | 7 | 0 | 10 | 44 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.7 | 0.5 | 1.3 | 0 | 1.6 | 1.5 | 0.6 | 0.4 | 0 | 0.4 | 0.6 |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 346 | 100 | 446 | 63 | **1** | 99 | 163 | **64** | 237 | 0 | 301 | 910 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **376** | **119** | **495** | 42 | 0 | 91 | 133 | 59 | **303** | 0 | **362** | 990 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 371 | 117 | 488 | **71** | 0 | **101** | **172** | 60 | 284 | 0 | 344 | **1004** |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 298 | 68 | 366 | 48 | 0 | 79 | 127 | 63 | 231 | 0 | 294 | 787 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1391 | 404 | 1795 | 224 | 1 | 370 | 595 | 246 | 1055 | 0 | 1301 | 3691 |
| % App. Total | 0 | 0 | 0 | | 0 | 77.5 | 22.5 | | 37.6 | 0.2 | 62.2 | | 18.9 | 81.1 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .925 | .849 | .907 | .789 | .250 | .916 | .865 | .961 | .870 | .000 | .898 | .919 |

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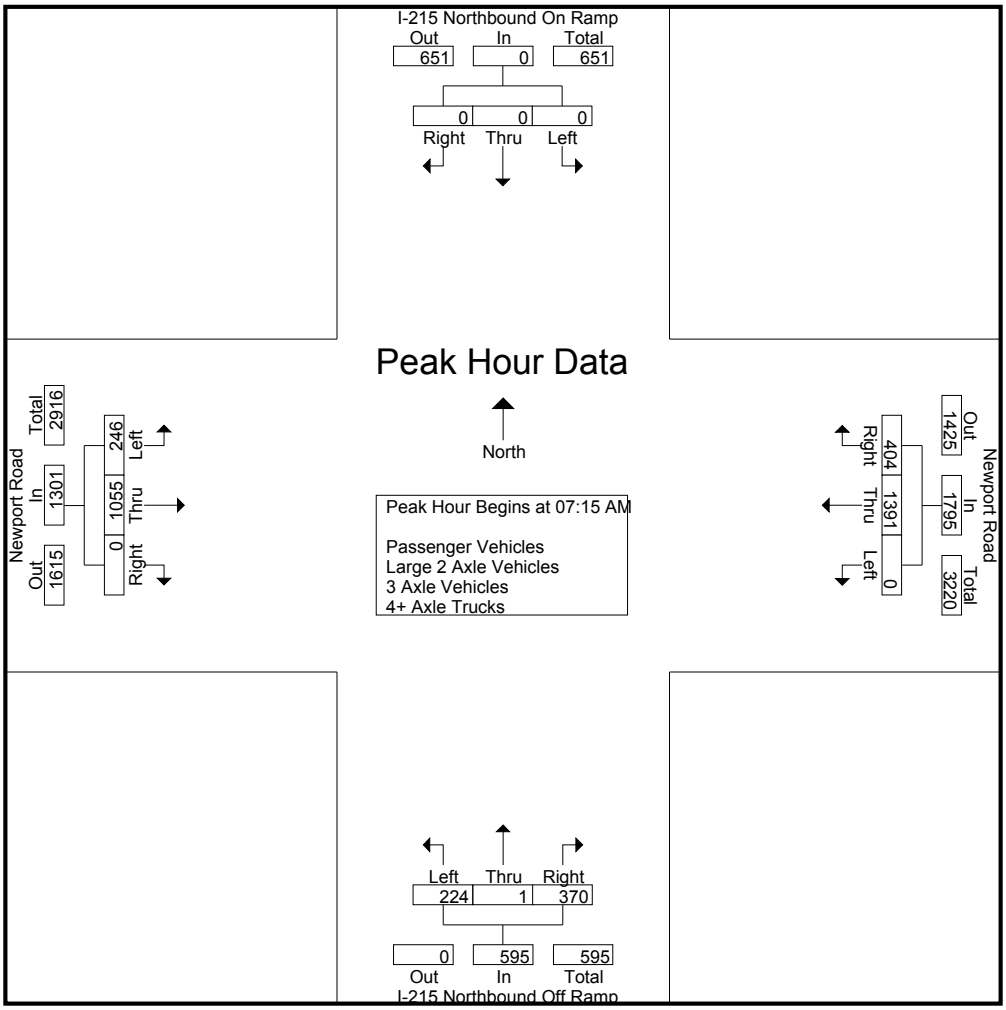
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:45 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 290 | 96 | 386 | **71** | 0 | **101** | **172** | **64** | 237 | 0 | 301 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 346 | 100 | 446 | 48 | 0 | 79 | 127 | 59 | **303** | 0 | **362** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **376** | **119** | **495** | 62 | 0 | 87 | 149 | 60 | 284 | 0 | 344 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 371 | 117 | 488 | 66 | **1** | 85 | 152 | 63 | 231 | 0 | 294 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1383 | 432 | 1815 | 247 | 1 | 352 | 600 | 246 | 1055 | 0 | 1301 |
| % App. Total | 0 | 0 | 0 | | 0 | 76.2 | 23.8 | | 41.2 | 0.2 | 58.7 | | 18.9 | 81.1 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .920 | .908 | .917 | .870 | .250 | .871 | .872 | .961 | .870 | .000 | .898 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 285 | 89 | 374 | 33 | 0 | 77 | 110 | 62 | 137 | 0 | 199 | 683 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 341 | 96 | 437 | 59 | 1 | 97 | 157 | 59 | 222 | 0 | 281 | 875 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 364 | 112 | 476 | 40 | 0 | 85 | 125 | 55 | 296 | 0 | 351 | 952 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 363 | 113 | 476 | 70 | 0 | 96 | 166 | 56 | 276 | 0 | 332 | 974 |
| Total | 0 | 0 | 0 | 0 | 0 | 1353 | 410 | 1763 | 202 | 1 | 355 | 558 | 232 | 931 | 0 | 1163 | 3484 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 291 | 66 | 357 | 46 | 0 | 77 | 123 | 59 | 224 | 0 | 283 | 763 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 325 | 110 | 435 | 61 | 0 | 82 | 143 | 44 | 210 | 0 | 254 | 832 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 307 | 86 | 393 | 65 | 1 | 82 | 148 | 65 | 220 | 0 | 285 | 826 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 289 | 62 | 351 | 78 | 0 | 73 | 151 | 64 | 204 | 0 | 268 | 770 |
| Total | 0 | 0 | 0 | 0 | 0 | 1212 | 324 | 1536 | 250 | 1 | 314 | 565 | 232 | 858 | 0 | 1090 | 3191 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2565 | 734 | 3299 | 452 | 2 | 669 | 1123 | 464 | 1789 | 0 | 2253 | 6675 |
| Apprch % | 0 | 0 | 0 | | 0 | 77.8 | 22.2 | | 40.2 | 0.2 | 59.6 | | 20.6 | 79.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 38.4 | 11 | 49.4 | 6.8 | 0 | 10 | 16.8 | 7 | 26.8 | 0 | 33.8 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 341 | 96 | 437 | 59 | **1** | **97** | 157 | **59** | 222 | 0 | 281 | 875 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **364** | 112 | **476** | 40 | 0 | 85 | 125 | 55 | **296** | 0 | **351** | 952 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 363 | **113** | 476 | **70** | 0 | 96 | **166** | 56 | 276 | 0 | 332 | **974** |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 291 | 66 | 357 | 46 | 0 | 77 | 123 | 59 | 224 | 0 | 283 | 763 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1359 | 387 | 1746 | 215 | 1 | 355 | 571 | 229 | 1018 | 0 | 1247 | 3564 |
| % App. Total | 0 | 0 | 0 | | 0 | 77.8 | 22.2 | | 37.7 | 0.2 | 62.2 | | 18.4 | 81.6 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .933 | .856 | .917 | .768 | .250 | .915 | .860 | .970 | .860 | .000 | .888 | .915 |

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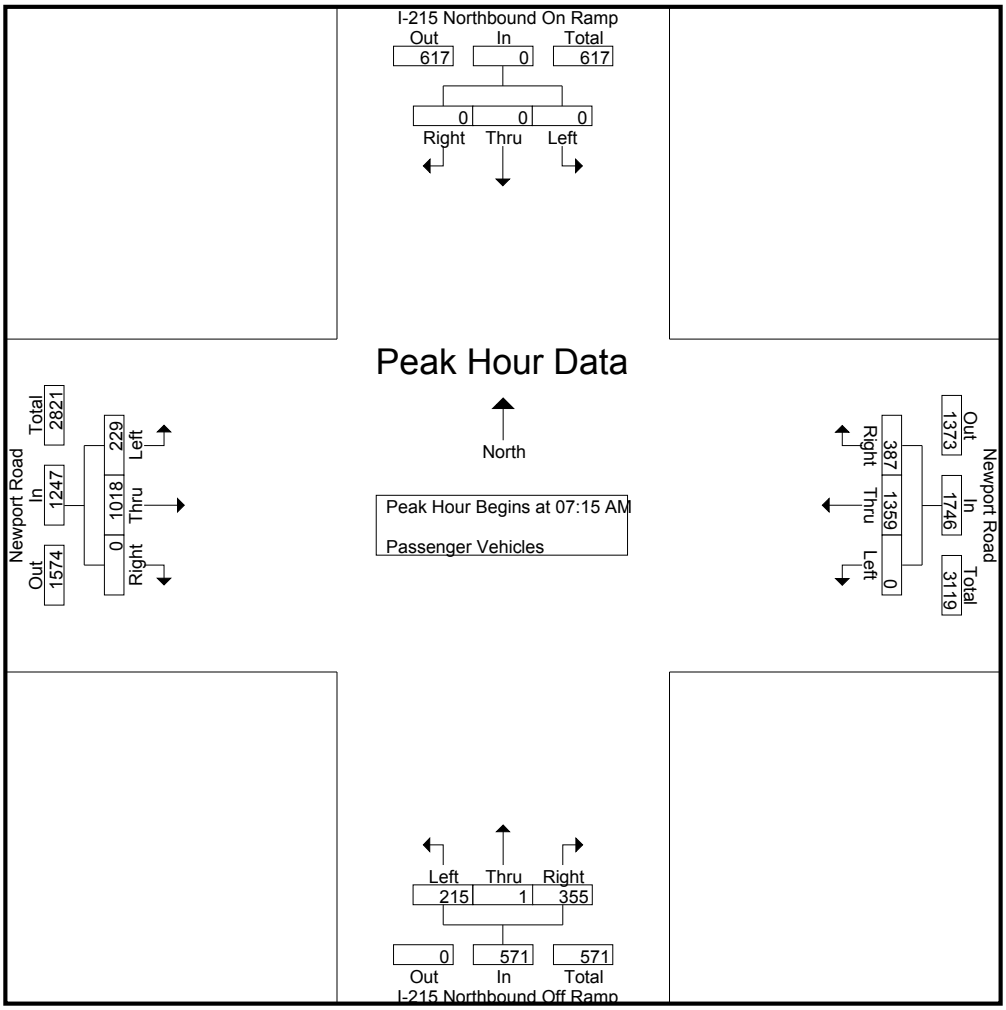
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 341 | 96 | 437 | 59 | **1** | **97** | 157 | **59** | 222 | 0 | 281 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **364** | 112 | **476** | 40 | 0 | 85 | 125 | 55 | **296** | 0 | **351** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 363 | **113** | 476 | **70** | 0 | 96 | **166** | 56 | 276 | 0 | 332 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 291 | 66 | 357 | 46 | 0 | 77 | 123 | 59 | 224 | 0 | 283 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1359 | 387 | 1746 | 215 | 1 | 355 | 571 | 229 | 1018 | 0 | 1247 |
| % App. Total | 0 | 0 | 0 | | 0 | 77.8 | 22.2 | | 37.7 | 0.2 | 62.2 | | 18.4 | 81.6 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .933 | .856 | .917 | .768 | .250 | .915 | .860 | .970 | .860 | .000 | .888 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 8 | 1 | 0 | 2 | 3 | 3 | 13 | 0 | 16 | 27 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 3 | 0 | 1 | 4 | 4 | 12 | 0 | 16 | 24 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 12 | 1 | 0 | 0 | 1 | 3 | 7 | 0 | 10 | 23 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 9 | 0 | 0 | 4 | 4 | 2 | 5 | 0 | 7 | 20 |
| Total | 0 | 0 | 0 | 0 | 0 | 21 | 12 | 33 | 5 | 0 | 7 | 12 | 12 | 37 | 0 | 49 | 94 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 8 | 1 | 0 | 2 | 3 | 3 | 6 | 0 | 9 | 20 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 5 | 5 | 0 | 9 | 0 | 9 | 17 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 1 | 0 | 3 | 4 | 0 | 5 | 0 | 5 | 15 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 4 | 6 | 4 | 4 | 0 | 8 | 15 |
| Total | 0 | 0 | 0 | 0 | 0 | 14 | 4 | 18 | 4 | 0 | 14 | 18 | 7 | 24 | 0 | 31 | 67 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 35 | 16 | 51 | 9 | 0 | 21 | 30 | 19 | 61 | 0 | 80 | 161 |
| Apprch % | 0 | 0 | 0 | | 0 | 68.6 | 31.4 | | 30 | 0 | 70 | | 23.8 | 76.2 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 21.7 | 9.9 | 31.7 | 5.6 | 0 | 13 | 18.6 | 11.8 | 37.9 | 0 | 49.7 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | **3** | 0 | 1 | **4** | **4** | **12** | 0 | **16** | **24** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **7** | **5** | **12** | 1 | 0 | 0 | 1 | 3 | 7 | 0 | 10 | 23 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 9 | 0 | 0 | **4** | 4 | 2 | 5 | 0 | 7 | 20 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 8 | 1 | 0 | 2 | 3 | 3 | 6 | 0 | 9 | 20 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 23 | 10 | 33 | 5 | 0 | 7 | 12 | 12 | 30 | 0 | 42 | 87 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.7 | 30.3 | | 41.7 | 0 | 58.3 | | 28.6 | 71.4 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .821 | .500 | .688 | .417 | .000 | .438 | .750 | .750 | .625 | .000 | .656 | .906 |

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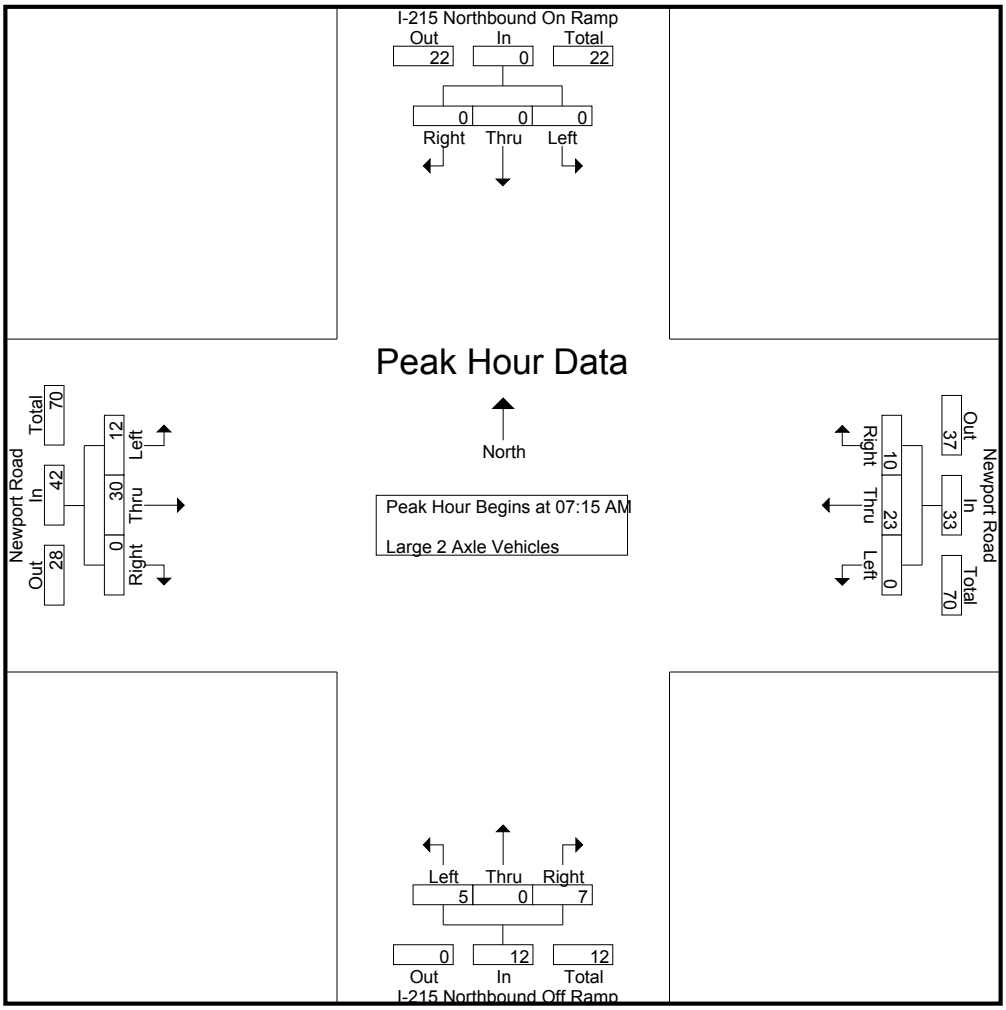
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | **3** | 0 | 1 | **4** | **4** | **12** | 0 | **16** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **7** | **5** | **12** | 1 | 0 | 0 | 1 | 3 | 7 | 0 | 10 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 9 | 0 | 0 | **4** | 4 | 2 | 5 | 0 | 7 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 8 | 1 | 0 | 2 | 3 | 3 | 6 | 0 | 9 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 23 | 10 | 33 | 5 | 0 | 7 | 12 | 12 | 30 | 0 | 42 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.7 | 30.3 | | 41.7 | 0 | 58.3 | | 28.6 | 71.4 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .821 | .500 | .688 | .417 | .000 | .438 | .750 | .750 | .625 | .000 | .656 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 4 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 5 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 3 |
| Total | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 7 | 15 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 7 | 15 |
| Apprch % | 0 | 0 | 0 | | 0 | 28.6 | 71.4 | | 0 | 0 | 100 | | 42.9 | 57.1 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 13.3 | 33.3 | 46.7 | 0 | 0 | 6.7 | 6.7 | 20 | 26.7 | 0 | 46.7 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 | 0 | 0 | 0 | 0 | **1** | **2** | 0 | **3** | **5** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **2** | 1 | **3** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 3 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 11 |
| % App. Total | 0 | 0 | 0 | | 0 | 33.3 | 66.7 | | 0 | 0 | 0 | | 40 | 60 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .500 | .500 | .000 | .000 | .000 | .000 | .500 | .375 | .000 | .417 | .550 |

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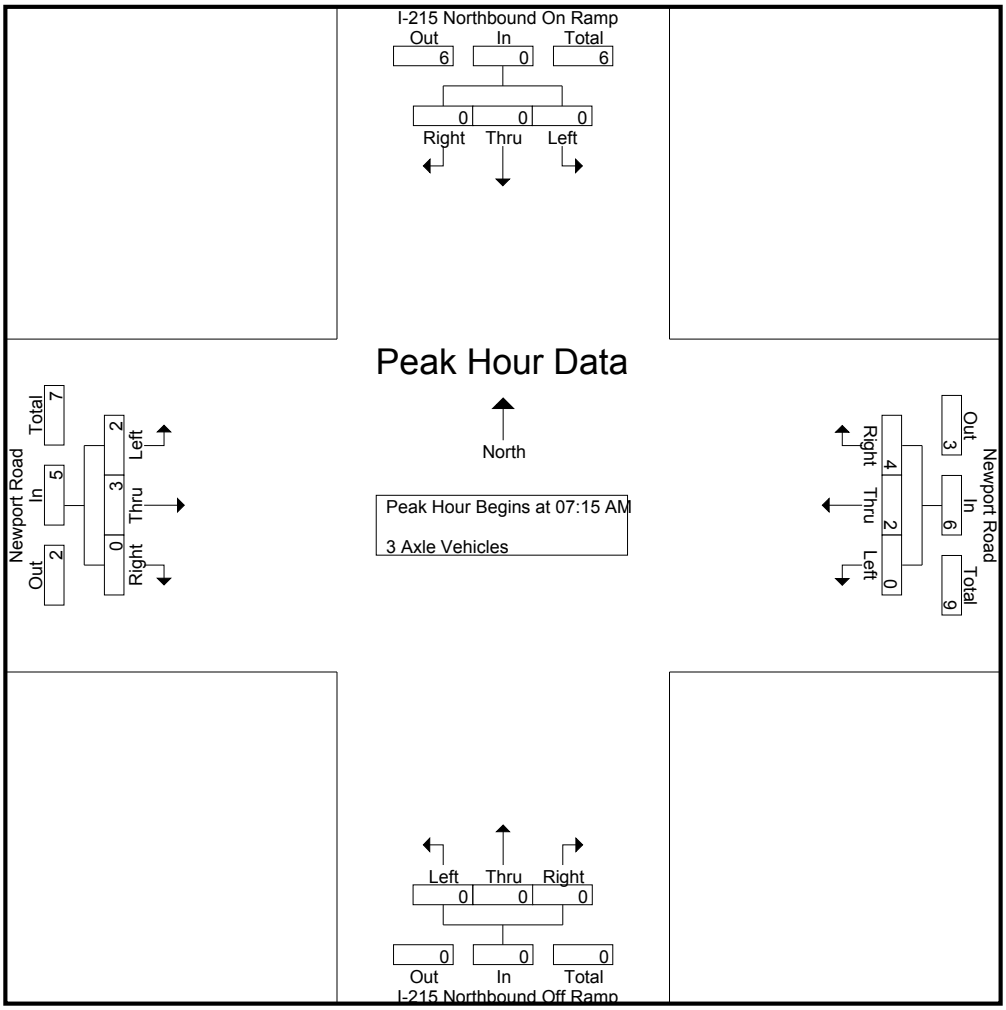
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | **2** | 2 | 0 | 0 | 0 | 0 | **1** | **2** | 0 | **3** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **2** | 1 | **3** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 |
| % App. Total | 0 | 0 | 0 | | 0 | 33.3 | 66.7 | | 0 | 0 | 0 | | 40 | 60 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .500 | .500 | .000 | .000 | .000 | .000 | .500 | .375 | .000 | .417 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 6 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 6 | 7 | 1 | 0 | 0 | 1 | 12 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 2 | 0 | 3 | 7 |
| Total | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 12 | 3 | 0 | 11 | 14 | 2 | 3 | 0 | 5 | 31 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 4 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 6 |
| Total | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 0 | 0 | 3 | 1 | 4 | 0 | 5 | 13 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 17 | 6 | 0 | 11 | 17 | 3 | 7 | 0 | 10 | 44 |
| Apprch % | 0 | 0 | 0 | | 0 | 70.6 | 29.4 | | 35.3 | 0 | 64.7 | | 30 | 70 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27.3 | 11.4 | 38.6 | 13.6 | 0 | 25 | 38.6 | 6.8 | 15.9 | 0 | 22.7 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 2 | **1** | 3 | **1** | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 6 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | **3** | 1 | **4** | 1 | 0 | **6** | **7** | **1** | 0 | 0 | 1 | **12** |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | **2** | 0 | **3** | 7 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 4 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 10 | 4 | 0 | 8 | 12 | 3 | 4 | 0 | 7 | 29 |
| % App. Total | 0 | 0 | 0 | | 0 | 70 | 30 | | 33.3 | 0 | 66.7 | | 42.9 | 57.1 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .583 | .750 | .625 | 1.00 | .000 | .333 | .429 | .750 | .500 | .000 | .583 | .604 |

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City of Menifee
N/S: I-215 Northbound Ramps
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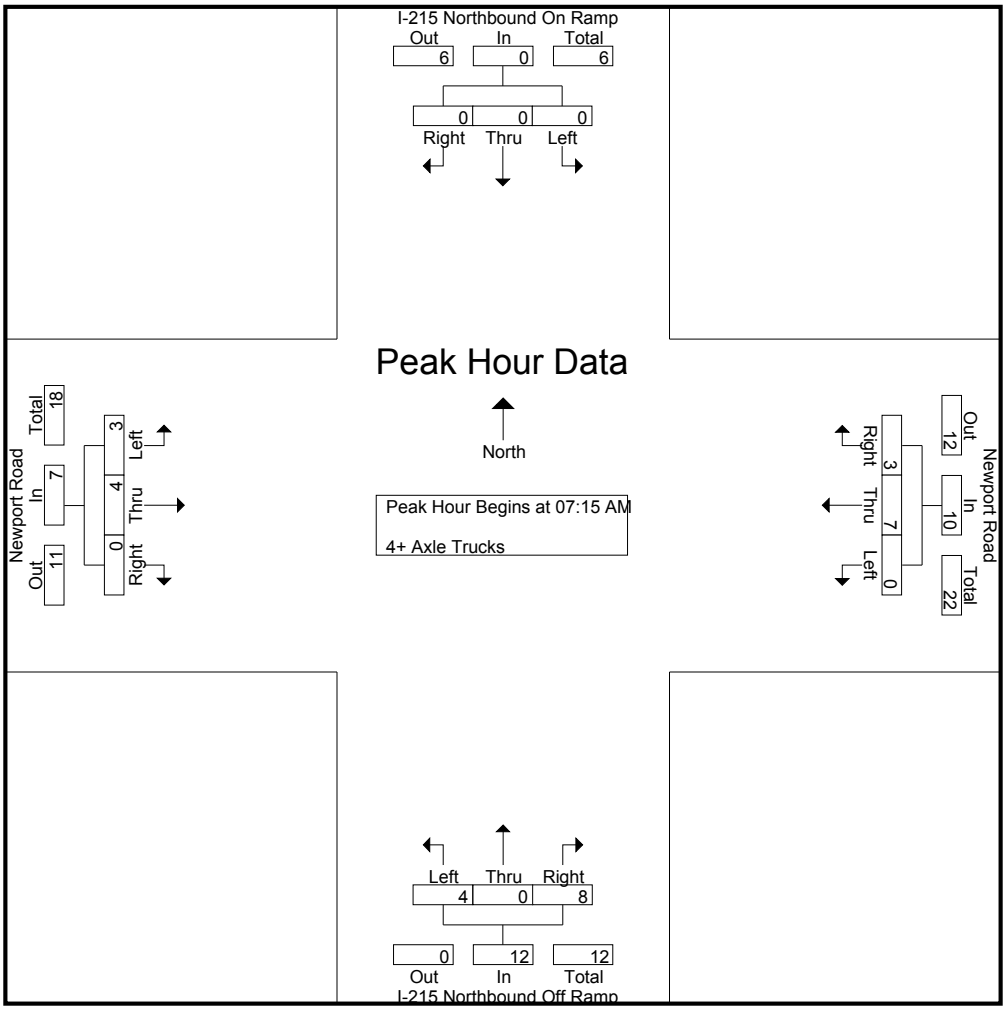
Weather: Clear

File Name : Men215NNEAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 2 | **1** | 3 | **1** | 0 | 1 | 2 | 0 | 1 | 0 | 1 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **3** | 1 | **4** | 1 | 0 | **6** | **7** | **1** | 0 | 0 | 1 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | **2** | 0 | **3** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 2 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 10 | 4 | 0 | 8 | 12 | 3 | 4 | 0 | 7 |
| % App. Total | 0 | 0 | 0 | | 0 | 70 | 30 | | 33.3 | 0 | 66.7 | | 42.9 | 57.1 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .583 | .750 | .625 | 1.000 | .000 | .333 | .429 | .750 | .500 | .000 | .583 |

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(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 268 | 63 | 331 | 108 | 0 | 126 | 234 | 70 | 335 | 0 | 405 | 970 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 296 | 93 | 389 | 139 | 0 | 144 | 283 | 85 | 315 | 0 | 400 | 1072 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 274 | 82 | 356 | 148 | 0 | 135 | 283 | 97 | 325 | 0 | 422 | 1061 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 291 | 80 | 371 | 140 | 0 | 185 | 325 | 81 | 312 | 0 | 393 | 1089 |
| Total | 0 | 0 | 0 | 0 | 0 | 1129 | 318 | 1447 | 535 | 0 | 590 | 1125 | 333 | 1287 | 0 | 1620 | 4192 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 246 | 84 | 330 | 120 | 0 | 176 | 296 | 103 | 349 | 0 | 452 | 1078 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 324 | 63 | 387 | 142 | 0 | 184 | 326 | 66 | 338 | 0 | 404 | 1117 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 287 | 87 | 374 | 123 | 0 | 162 | 285 | 85 | 334 | 0 | 419 | 1078 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 284 | 77 | 361 | 114 | 0 | 154 | 268 | 52 | 316 | 0 | 368 | 997 |
| Total | 0 | 0 | 0 | 0 | 0 | 1141 | 311 | 1452 | 499 | 0 | 676 | 1175 | 306 | 1337 | 0 | 1643 | 4270 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2270 | 629 | 2899 | 1034 | 0 | 1266 | 2300 | 639 | 2624 | 0 | 3263 | 8462 |
| Apprch % | 0 | 0 | 0 | | 0 | 78.3 | 21.7 | | 45 | 0 | 55 | | 19.6 | 80.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 26.8 | 7.4 | 34.3 | 12.2 | 0 | 15 | 27.2 | 7.6 | 31 | 0 | 38.6 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 2244 | 611 | 2855 | 1029 | 0 | 1245 | 2274 | 627 | 2604 | 0 | 3231 | 8360 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 98.9 | 97.1 | 98.5 | 99.5 | 0 | 98.3 | 98.9 | 98.1 | 99.2 | 0 | 99 | 98.8 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 21 | 15 | 36 | 5 | 0 | 11 | 16 | 9 | 17 | 0 | 26 | 78 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.9 | 2.4 | 1.2 | 0.5 | 0 | 0.9 | 0.7 | 1.4 | 0.6 | 0 | 0.8 | 0.9 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.1 | 0 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 0 | 0 | 10 | 10 | 1 | 3 | 0 | 4 | 22 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.5 | 0.3 | 0 | 0 | 0.8 | 0.4 | 0.2 | 0.1 | 0 | 0.1 | 0.3 |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 291 | 80 | 371 | 140 | 0 | **185** | 325 | 81 | 312 | 0 | 393 | 1089 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 246 | 84 | 330 | 120 | 0 | 176 | 296 | **103** | **349** | 0 | **452** | 1078 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **324** | 63 | **387** | **142** | 0 | 184 | **326** | 66 | 338 | 0 | 404 | **1117** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 287 | **87** | 374 | 123 | 0 | 162 | 285 | 85 | 334 | 0 | 419 | 1078 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1148 | 314 | 1462 | 525 | 0 | 707 | 1232 | 335 | 1333 | 0 | 1668 | 4362 |
| % App. Total | 0 | 0 | 0 | | 0 | 78.5 | 21.5 | | 42.6 | 0 | 57.4 | | 20.1 | 79.9 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .886 | .902 | .944 | .924 | .000 | .955 | .945 | .813 | .955 | .000 | .923 | .976 |

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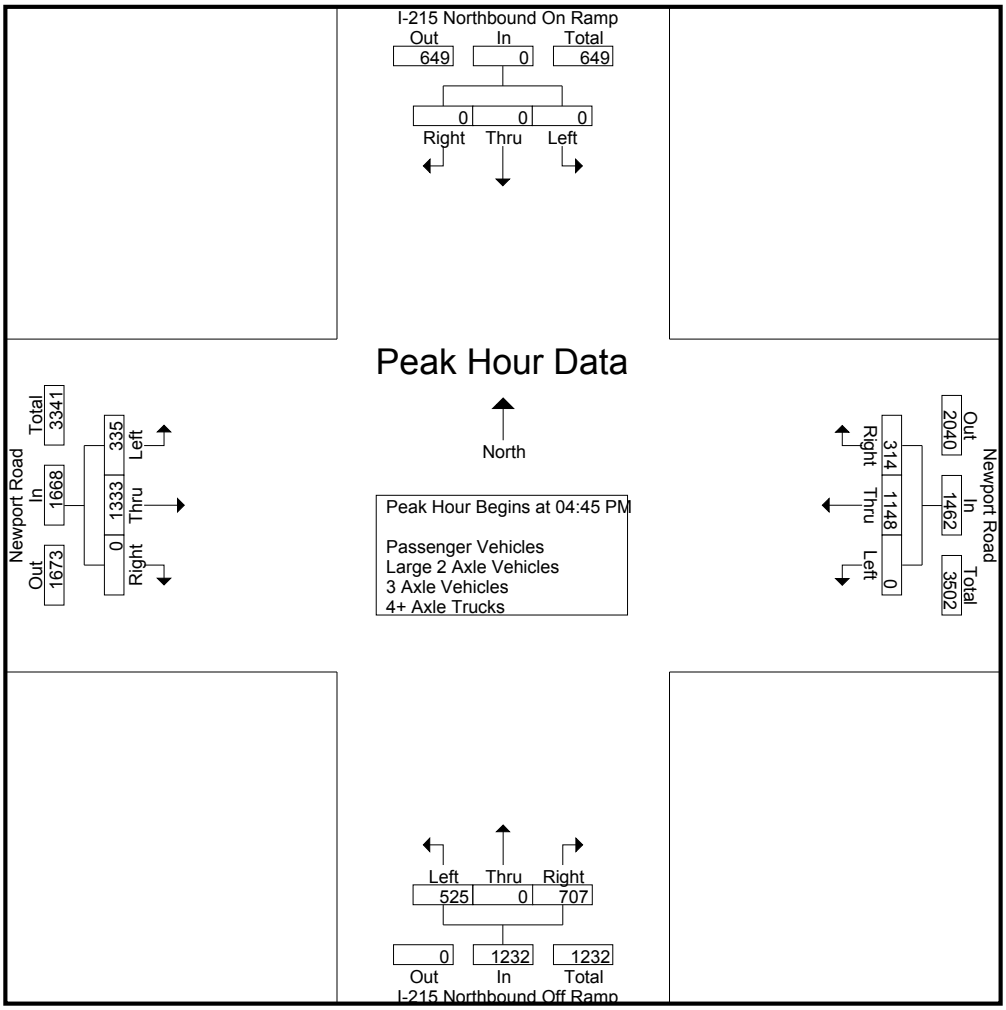
File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 291 | 80 | 371 | 140 | 0 | **185** | 325 | 97 | 325 | 0 | 422 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 246 | 84 | 330 | 120 | 0 | 176 | 296 | 81 | 312 | 0 | 393 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **324** | 63 | **387** | **142** | 0 | 184 | **326** | **103** | **349** | 0 | **452** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 287 | **87** | 374 | 123 | 0 | 162 | 285 | 66 | 338 | 0 | 404 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1148 | 314 | 1462 | 525 | 0 | 707 | 1232 | 347 | 1324 | 0 | 1671 |
| % App. Total | 0 | 0 | 0 | | 0 | 78.5 | 21.5 | | 42.6 | 0 | 57.4 | | 20.8 | 79.2 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .886 | .902 | .944 | .924 | .000 | .955 | .945 | .842 | .948 | .000 | .924 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 265 | 61 | 326 | 106 | 0 | 126 | 232 | 66 | 332 | 0 | 398 | 956 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 288 | 91 | 379 | 139 | 0 | 142 | 281 | 83 | 313 | 0 | 396 | 1056 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 271 | 81 | 352 | 148 | 0 | 133 | 281 | 95 | 325 | 0 | 420 | 1053 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 289 | 74 | 363 | 139 | 0 | 184 | 323 | 81 | 306 | 0 | 387 | 1073 |
| Total | 0 | 0 | 0 | 0 | 0 | 1113 | 307 | 1420 | 532 | 0 | 585 | 1117 | 325 | 1276 | 0 | 1601 | 4138 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 245 | 81 | 326 | 120 | 0 | 173 | 293 | 102 | 346 | 0 | 448 | 1067 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 320 | 61 | 381 | 140 | 0 | 181 | 321 | 66 | 334 | 0 | 400 | 1102 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 284 | 86 | 370 | 123 | 0 | 158 | 281 | 83 | 334 | 0 | 417 | 1068 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 282 | 76 | 358 | 114 | 0 | 148 | 262 | 51 | 314 | 0 | 365 | 985 |
| Total | 0 | 0 | 0 | 0 | 0 | 1131 | 304 | 1435 | 497 | 0 | 660 | 1157 | 302 | 1328 | 0 | 1630 | 4222 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2244 | 611 | 2855 | 1029 | 0 | 1245 | 2274 | 627 | 2604 | 0 | 3231 | 8360 |
| Apprch % | 0 | 0 | 0 | | 0 | 78.6 | 21.4 | | 45.3 | 0 | 54.7 | | 19.4 | 80.6 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 26.8 | 7.3 | 34.2 | 12.3 | 0 | 14.9 | 27.2 | 7.5 | 31.1 | 0 | 38.6 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 289 | 74 | 363 | 139 | 0 | **184** | **323** | 81 | 306 | 0 | 387 | 1073 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 245 | 81 | 326 | 120 | 0 | 173 | 293 | **102** | **346** | 0 | **448** | 1067 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **320** | 61 | **381** | **140** | 0 | 181 | 321 | 66 | 334 | 0 | 400 | **1102** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 284 | **86** | 370 | 123 | 0 | 158 | 281 | 83 | 334 | 0 | 417 | 1068 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1138 | 302 | 1440 | 522 | 0 | 696 | 1218 | 332 | 1320 | 0 | 1652 | 4310 |
| % App. Total | 0 | 0 | 0 | | 0 | 79 | 21 | | 42.9 | 0 | 57.1 | | 20.1 | 79.9 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .889 | .878 | .945 | .932 | .000 | .946 | .943 | .814 | .954 | .000 | .922 | .978 |

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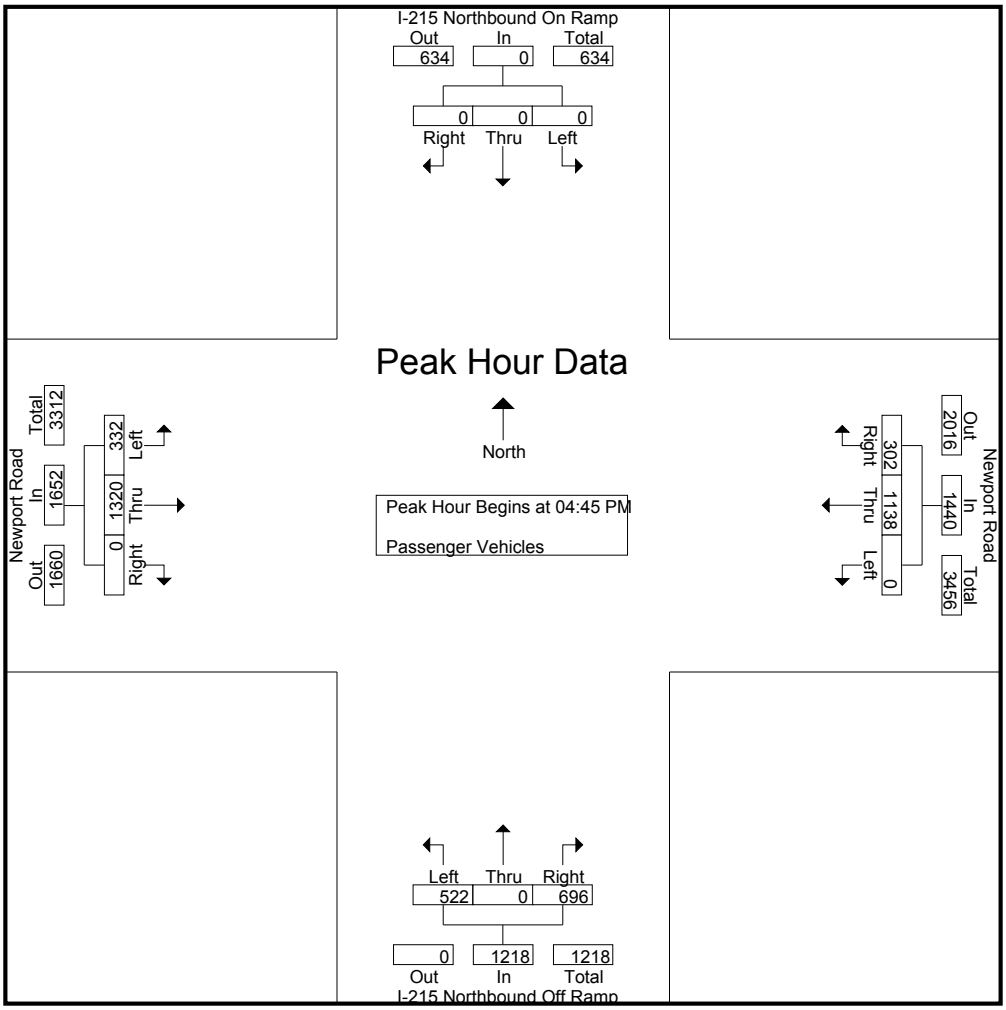
File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 289 | 74 | 363 | 139 | 0 | **184** | **323** | 81 | 306 | 0 | 387 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 245 | 81 | 326 | 120 | 0 | 173 | 293 | **102** | **346** | 0 | **448** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **320** | 61 | **381** | **140** | 0 | 181 | 321 | 66 | 334 | 0 | 400 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 284 | **86** | 370 | 123 | 0 | 158 | 281 | 83 | 334 | 0 | 417 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1138 | 302 | 1440 | 522 | 0 | 696 | 1218 | 332 | 1320 | 0 | 1652 |
| % App. Total | 0 | 0 | 0 | | 0 | 79 | 21 | | 42.9 | 0 | 57.1 | | 20.1 | 79.9 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .889 | .878 | .945 | .932 | .000 | .946 | .943 | .814 | .954 | .000 | .922 |

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E/W: Newport Road
Weather: Clear

File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 2 | 0 | 0 | 2 | 2 | 3 | 0 | 5 | 10 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 10 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 13 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 6 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 1 | 0 | 1 | 2 | 0 | 6 | 0 | 6 | 15 |
| Total | 0 | 0 | 0 | 0 | 0 | 14 | 9 | 23 | 3 | 0 | 3 | 6 | 6 | 9 | 0 | 15 | 44 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 3 | 6 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 2 | 0 | 2 | 4 | 0 | 4 | 0 | 4 | 13 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 3 | 3 | 2 | 0 | 0 | 2 | 9 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 2 | 6 |
| Total | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 13 | 2 | 0 | 8 | 10 | 3 | 8 | 0 | 11 | 34 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 21 | 15 | 36 | 5 | 0 | 11 | 16 | 9 | 17 | 0 | 26 | 78 |
| Apprch % | 0 | 0 | 0 | | 0 | 58.3 | 41.7 | | 31.2 | 0 | 68.8 | | 34.6 | 65.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 26.9 | 19.2 | 46.2 | 6.4 | 0 | 14.1 | 20.5 | 11.5 | 21.8 | 0 | 33.3 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | **5** | **7** | 1 | 0 | 1 | 2 | 0 | **6** | 0 | **6** | **15** |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 3 | 6 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **3** | 2 | 5 | **2** | 0 | 2 | **4** | 0 | 4 | 0 | 4 | 13 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | **3** | 3 | **2** | 0 | 0 | 2 | 9 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 18 | 3 | 0 | 7 | 10 | 2 | 13 | 0 | 15 | 43 |
| % App. Total | 0 | 0 | 0 | | 0 | 44.4 | 55.6 | | 30 | 0 | 70 | | 13.3 | 86.7 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .667 | .500 | .643 | .375 | .000 | .583 | .625 | .250 | .542 | .000 | .625 | .717 |

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File Name : MEN215NNEP1
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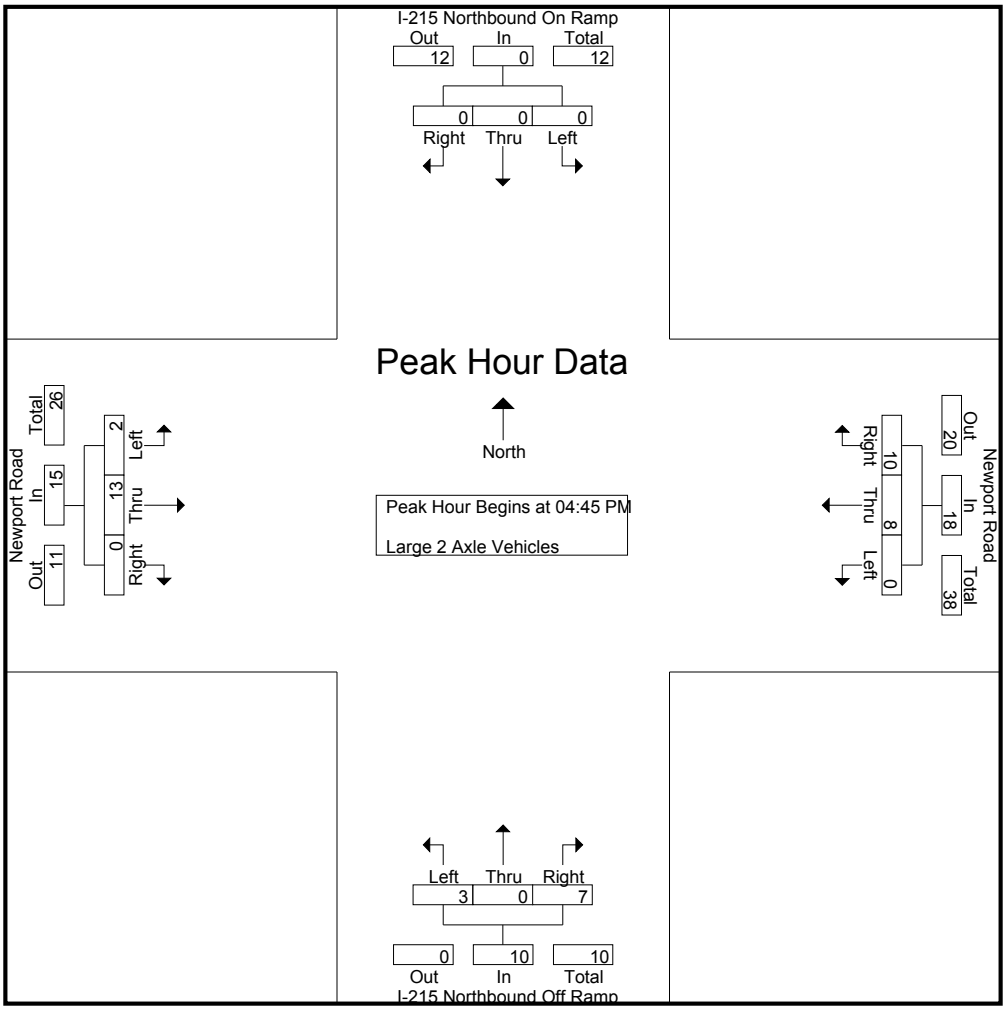
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 2 | **5** | **7** | 1 | 0 | 1 | 2 | 0 | **6** | 0 | **6** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 3 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **3** | 2 | 5 | **2** | 0 | 2 | **4** | 0 | 4 | 0 | 4 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | **3** | 3 | **2** | 0 | 0 | 2 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 18 | 3 | 0 | 7 | 10 | 2 | 13 | 0 | 15 |
| % App. Total | 0 | 0 | 0 | | 0 | 44.4 | 55.6 | | 30 | 0 | 70 | | 13.3 | 86.7 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .667 | .500 | .643 | .375 | .000 | .583 | .625 | .250 | .542 | .000 | .625 |

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File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
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Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 100 | 0 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 100 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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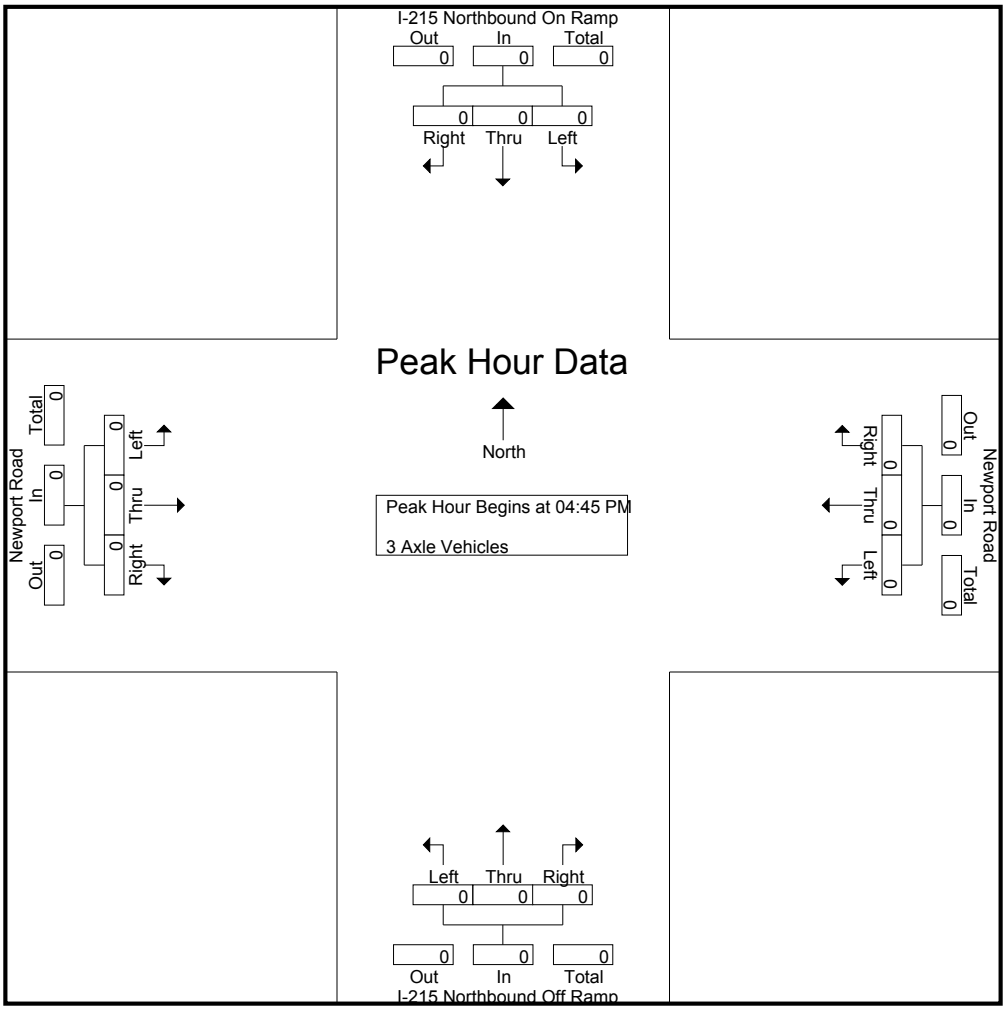


Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Counts Unlimited, Inc.
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(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 2 | 3 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 8 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 5 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 4 | 0 | 1 | 0 | 1 | 6 |
| Total | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 8 | 8 | 1 | 1 | 0 | 2 | 14 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 0 | 0 | 10 | 10 | 1 | 3 | 0 | 4 | 22 |
| Apprch % | 0 | 0 | 0 | | 0 | 62.5 | 37.5 | | 0 | 0 | 100 | | 25 | 75 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 22.7 | 13.6 | 36.4 | 0 | 0 | 45.5 | 45.5 | 4.5 | 13.6 | 0 | 18.2 | |

| | I-215 Northbound On Ramp Southbound | | | | Newport Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | **1** | 1 | **2** | 0 | 0 | **2** | **2** | **1** | 0 | 0 | **1** | **5** |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 4 | 1 | 0 | 0 | 1 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 50 | 50 | | 0 | 0 | 100 | | 100 | 0 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .500 | .500 | .500 | .000 | .000 | .500 | .500 | .250 | .000 | .000 | .250 | .450 |

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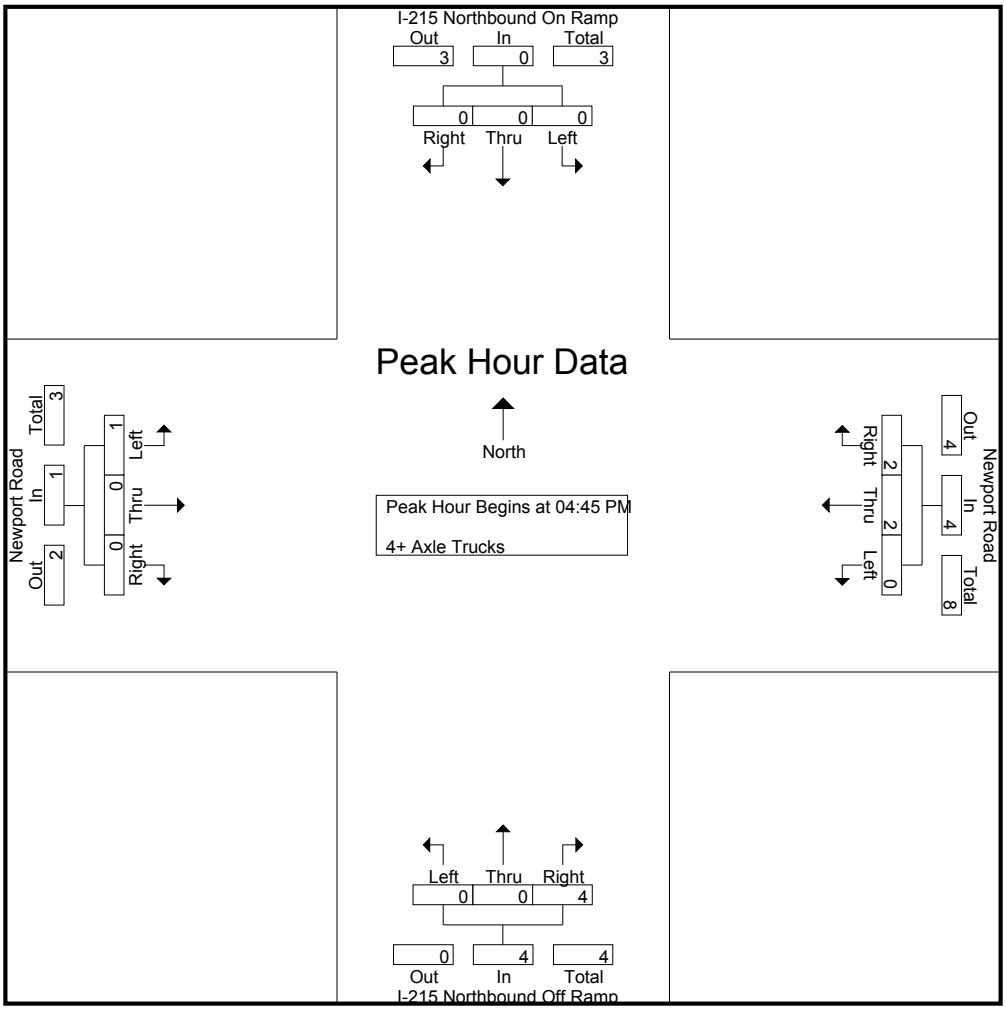
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Newport Road
Weather: Clear

File Name : MEN215NNEP1
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **1** | 1 | **2** | 0 | 0 | **2** | **2** | **1** | 0 | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 4 | 4 | 1 | 0 | 0 | 1 |
| % App. Total | 0 | 0 | 0 | | 0 | 50 | 50 | | 0 | 0 | 100 | | 100 | 0 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .500 | .500 | .500 | .000 | .000 | .500 | .500 | .250 | .000 | .000 | .250 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 204 | 92 | 296 | 19 | 0 | 69 | 88 | 29 | 118 | 0 | 147 | 531 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 201 | 94 | 295 | 34 | 1 | 55 | 90 | 25 | 135 | 0 | 160 | 545 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 190 | 83 | 273 | 31 | 0 | 71 | 102 | 18 | 126 | 0 | 144 | 519 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 196 | 85 | 281 | 24 | 0 | 81 | 105 | 18 | 152 | 0 | 170 | 556 |
| Total | 0 | 0 | 0 | 0 | 0 | 791 | 354 | 1145 | 108 | 1 | 276 | 385 | 90 | 531 | 0 | 621 | 2151 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 189 | 61 | 250 | 18 | 0 | 61 | 79 | 19 | 143 | 0 | 162 | 491 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 202 | 66 | 268 | 14 | 0 | 61 | 75 | 21 | 141 | 0 | 162 | 505 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 179 | 71 | 250 | 22 | 0 | 74 | 96 | 20 | 166 | 0 | 186 | 532 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 207 | 71 | 278 | 27 | 0 | 87 | 114 | 24 | 129 | 0 | 153 | 545 |
| Total | 0 | 0 | 0 | 0 | 0 | 777 | 269 | 1046 | 81 | 0 | 283 | 364 | 84 | 579 | 0 | 663 | 2073 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1568 | 623 | 2191 | 189 | 1 | 559 | 749 | 174 | 1110 | 0 | 1284 | 4224 |
| Apprch % | 0 | 0 | 0 | | 0 | 71.6 | 28.4 | | 25.2 | 0.1 | 74.6 | | 13.6 | 86.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 37.1 | 14.7 | 51.9 | 4.5 | 0 | 13.2 | 17.7 | 4.1 | 26.3 | 0 | 30.4 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 1529 | 609 | 2138 | 183 | 1 | 546 | 730 | 168 | 1056 | 0 | 1224 | 4092 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 97.5 | 97.8 | 97.6 | 96.8 | 100 | 97.7 | 97.5 | 96.6 | 95.1 | 0 | 95.3 | 96.9 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 29 | 8 | 37 | 5 | 0 | 9 | 14 | 3 | 32 | 0 | 35 | 86 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 1.8 | 1.3 | 1.7 | 2.6 | 0 | 1.6 | 1.9 | 1.7 | 2.9 | 0 | 2.7 | 2 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 2 | 2 | 3 | 11 | 0 | 14 | 20 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0 | 0 | 0.4 | 0.3 | 1.7 | 1 | 0 | 1.1 | 0.5 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 1 | 0 | 2 | 3 | 0 | 11 | 0 | 11 | 26 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.6 | 0.5 | 0.5 | 0 | 0.4 | 0.4 | 0 | 1 | 0 | 0.9 | 0.6 |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | **204** | 92 | **296** | 19 | 0 | 69 | 88 | **29** | 118 | 0 | 147 | 531 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 201 | **94** | 295 | **34** | **1** | 55 | 90 | 25 | 135 | 0 | 160 | 545 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 190 | 83 | 273 | 31 | 0 | 71 | 102 | 18 | 126 | 0 | 144 | 519 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 196 | 85 | 281 | 24 | 0 | **81** | **105** | 18 | **152** | 0 | **170** | **556** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 791 | 354 | 1145 | 108 | 1 | 276 | 385 | 90 | 531 | 0 | 621 | 2151 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.1 | 30.9 | | 28.1 | 0.3 | 71.7 | | 14.5 | 85.5 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .969 | .941 | .967 | .794 | .250 | .852 | .917 | .776 | .873 | .000 | .913 | .967 |

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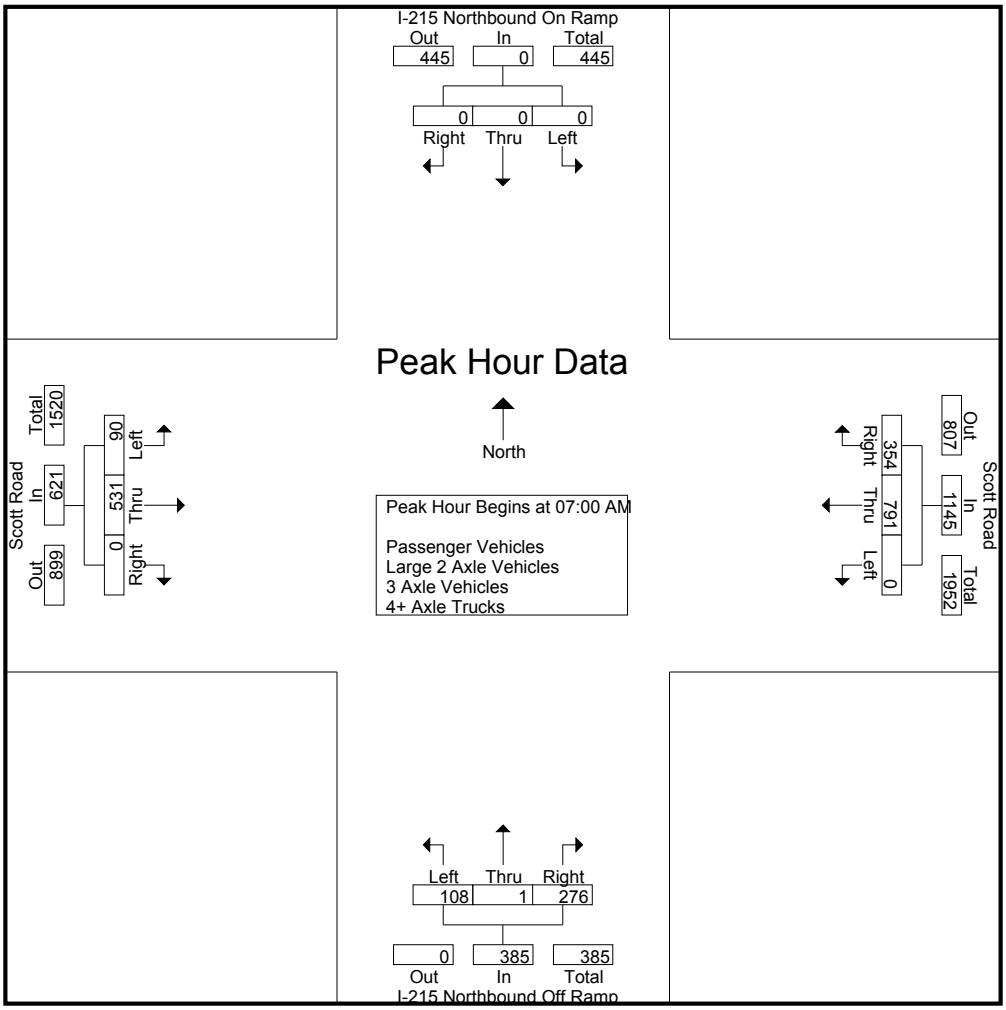
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **204** | 92 | **296** | 19 | 0 | 69 | 88 | 18 | 152 | 0 | 170 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 201 | **94** | 295 | **34** | **1** | 55 | 90 | 19 | 143 | 0 | 162 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 190 | 83 | 273 | 31 | 0 | 71 | 102 | **21** | 141 | 0 | 162 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 196 | 85 | 281 | 24 | 0 | **81** | **105** | 20 | **166** | 0 | **186** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 791 | 354 | 1145 | 108 | 1 | 276 | 385 | 78 | 602 | 0 | 680 |
| % App. Total | 0 | 0 | 0 | | 0 | 69.1 | 30.9 | | 28.1 | 0.3 | 71.7 | | 11.5 | 88.5 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .969 | .941 | .967 | .794 | .250 | .852 | .917 | .929 | .907 | .000 | .914 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 198 | 92 | 290 | 18 | 0 | 69 | 87 | 28 | 111 | 0 | 139 | 516 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 199 | 93 | 292 | 33 | 1 | 51 | 85 | 25 | 124 | 0 | 149 | 526 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 187 | 80 | 267 | 29 | 0 | 70 | 99 | 17 | 119 | 0 | 136 | 502 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 191 | 84 | 275 | 23 | 0 | 81 | 104 | 17 | 145 | 0 | 162 | 541 |
| Total | 0 | 0 | 0 | 0 | 0 | 775 | 349 | 1124 | 103 | 1 | 271 | 375 | 87 | 499 | 0 | 586 | 2085 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 185 | 60 | 245 | 18 | 0 | 60 | 78 | 18 | 139 | 0 | 157 | 480 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 195 | 64 | 259 | 14 | 0 | 59 | 73 | 21 | 137 | 0 | 158 | 490 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 172 | 67 | 239 | 21 | 0 | 72 | 93 | 19 | 158 | 0 | 177 | 509 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 202 | 69 | 271 | 27 | 0 | 84 | 111 | 23 | 123 | 0 | 146 | 528 |
| Total | 0 | 0 | 0 | 0 | 0 | 754 | 260 | 1014 | 80 | 0 | 275 | 355 | 81 | 557 | 0 | 638 | 2007 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1529 | 609 | 2138 | 183 | 1 | 546 | 730 | 168 | 1056 | 0 | 1224 | 4092 |
| Apprch % | 0 | 0 | 0 | | 0 | 71.5 | 28.5 | | 25.1 | 0.1 | 74.8 | | 13.7 | 86.3 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 37.4 | 14.9 | 52.2 | 4.5 | 0 | 13.3 | 17.8 | 4.1 | 25.8 | 0 | 29.9 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 198 | 92 | 290 | 18 | 0 | 69 | 87 | **28** | 111 | 0 | 139 | 516 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | **199** | **93** | **292** | **33** | **1** | 51 | 85 | 25 | 124 | 0 | 149 | 526 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 187 | 80 | 267 | 29 | 0 | 70 | 99 | 17 | 119 | 0 | 136 | 502 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 191 | 84 | 275 | 23 | 0 | **81** | **104** | 17 | **145** | 0 | **162** | **541** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 775 | 349 | 1124 | 103 | 1 | 271 | 375 | 87 | 499 | 0 | 586 | 2085 |
| % App. Total | 0 | 0 | 0 | | 0 | 69 | 31 | | 27.5 | 0.3 | 72.3 | | 14.8 | 85.2 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .974 | .938 | .962 | .780 | .250 | .836 | .901 | .777 | .860 | .000 | .904 | .963 |

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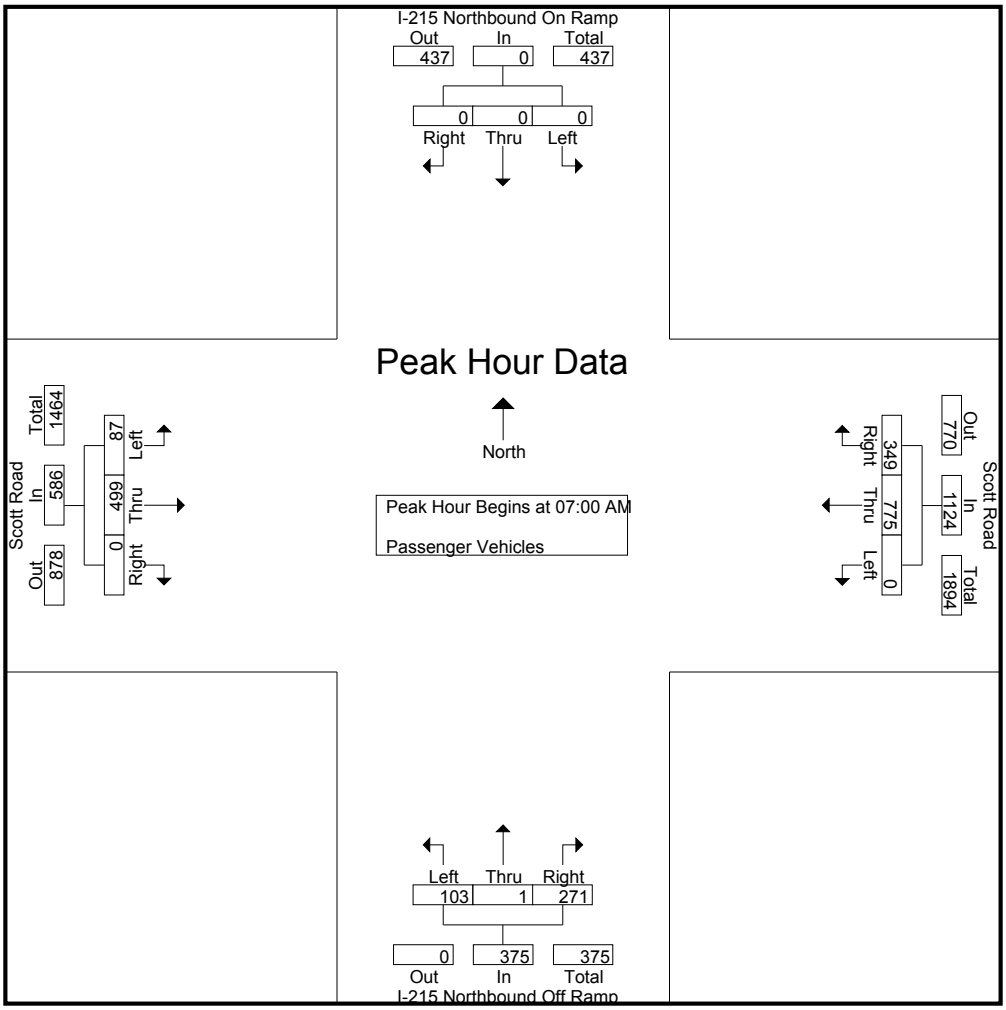
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 198 | 92 | 290 | 18 | 0 | 69 | 87 | **28** | 111 | 0 | 139 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **199** | **93** | **292** | **33** | **1** | 51 | 85 | 25 | 124 | 0 | 149 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 187 | 80 | 267 | 29 | 0 | 70 | 99 | 17 | 119 | 0 | 136 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 191 | 84 | 275 | 23 | 0 | **81** | **104** | 17 | **145** | 0 | **162** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 775 | 349 | 1124 | 103 | 1 | 271 | 375 | 87 | 499 | 0 | 586 |
| % App. Total | 0 | 0 | 0 | | 0 | 69 | 31 | | 27.5 | 0.3 | 72.3 | | 14.8 | 85.2 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .974 | .938 | .962 | .780 | .250 | .836 | .901 | .777 | .860 | .000 | .904 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 11 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 4 | 5 | 0 | 8 | 0 | 8 | 15 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 1 | 0 | 0 | 1 | 1 | 5 | 0 | 6 | 13 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 | 9 |
| Total | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 17 | 4 | 0 | 4 | 8 | 2 | 21 | 0 | 23 | 48 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 6 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 9 | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 4 | 14 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 3 | 3 | 1 | 4 | 0 | 5 | 12 |
| Total | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 20 | 1 | 0 | 5 | 6 | 1 | 11 | 0 | 12 | 38 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 29 | 8 | 37 | 5 | 0 | 9 | 14 | 3 | 32 | 0 | 35 | 86 |
| Apprch % | 0 | 0 | 0 | | 0 | 78.4 | 21.6 | | 35.7 | 0 | 64.3 | | 8.6 | 91.4 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 33.7 | 9.3 | 43 | 5.8 | 0 | 10.5 | 16.3 | 3.5 | 37.2 | 0 | 40.7 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | **5** | 0 | 5 | **1** | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 11 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | **4** | **5** | 0 | **8** | 0 | **8** | **15** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 3 | **3** | **6** | 1 | 0 | 0 | 1 | **1** | 5 | 0 | 6 | 13 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 | 9 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 17 | 4 | 0 | 4 | 8 | 2 | 21 | 0 | 23 | 48 |
| % App. Total | 0 | 0 | 0 | | 0 | 70.6 | 29.4 | | 50 | 0 | 50 | | 8.7 | 91.3 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .600 | .417 | .708 | 1.00 | .000 | .250 | .400 | .500 | .656 | .000 | .719 | .800 |

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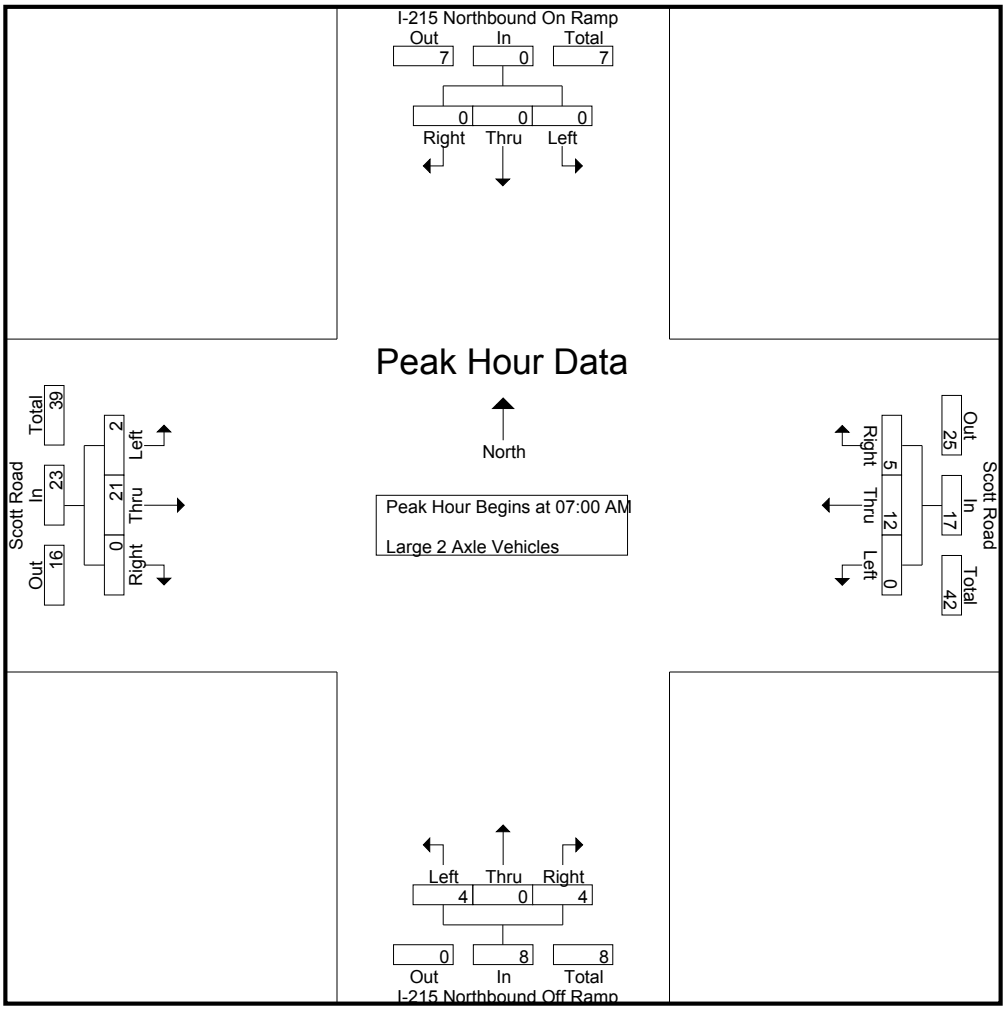
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **5** | 0 | 5 | **1** | 0 | 0 | 1 | 0 | 5 | 0 | 5 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | **4** | **5** | 0 | **8** | 0 | **8** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 3 | **3** | **6** | 1 | 0 | 0 | 1 | **1** | 5 | 0 | 6 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 4 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 17 | 4 | 0 | 4 | 8 | 2 | 21 | 0 | 23 |
| % App. Total | 0 | 0 | 0 | | 0 | 70.6 | 29.4 | | 50 | 0 | 50 | | 8.7 | 91.3 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .600 | .417 | .708 | 1.000 | .000 | .250 | .400 | .500 | .656 | .000 | .719 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 2 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 0 | 7 | 9 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 4 | 5 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 1 | 1 | 2 | 5 | 0 | 7 | 11 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 2 | 2 | 3 | 11 | 0 | 14 | 20 |
| Apprch % | 0 | 0 | 0 | | 0 | 50 | 50 | | 0 | 0 | 100 | | 21.4 | 78.6 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 20 | 0 | 0 | 10 | 10 | 15 | 55 | 0 | 70 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 0 | 2 | 2 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 1 | 0 | 1 | 2 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** | **4** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 0 | 7 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 100 | | 14.3 | 85.7 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .000 | .000 | .250 | .250 | .250 | .500 | .000 | .583 | .563 |

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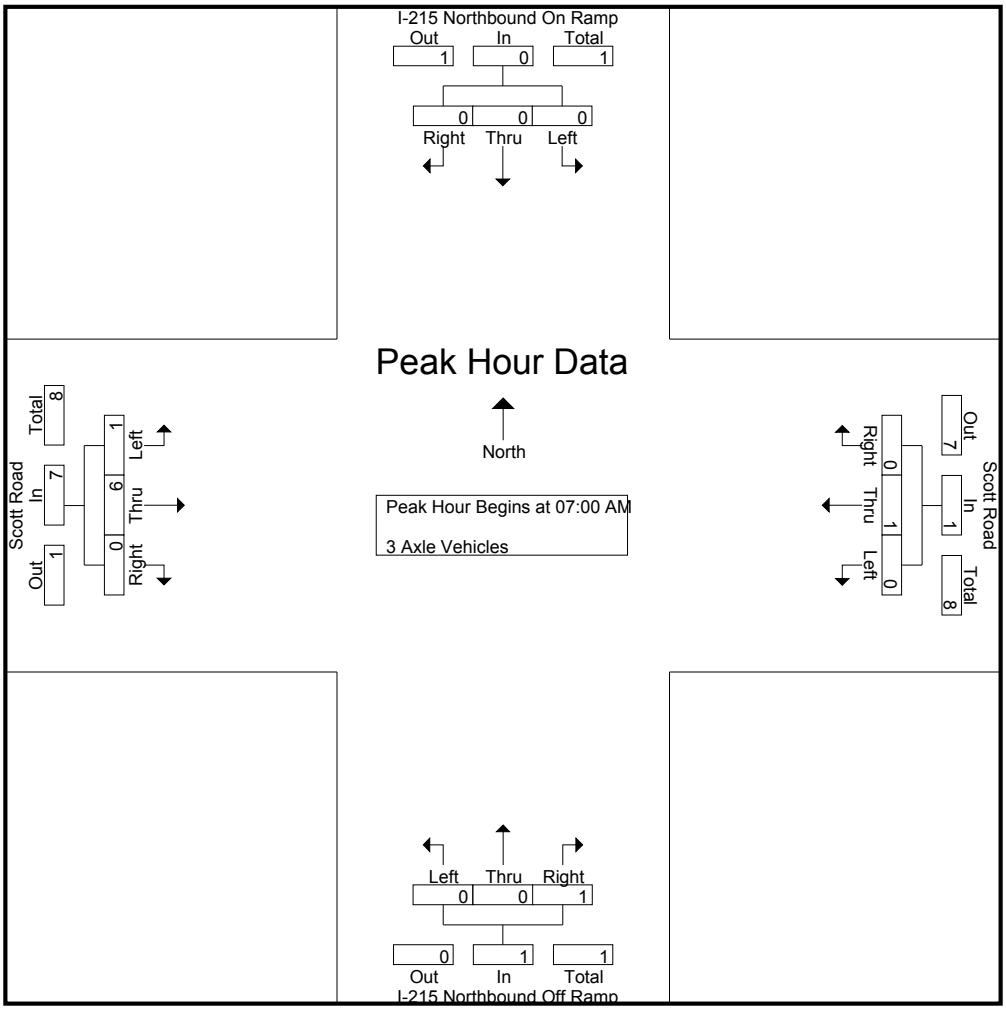
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 1 | 0 | 2 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | **3** | 0 | **3** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 0 | 7 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 0 | 0 | 100 | | 14.3 | 85.7 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .250 | .000 | .250 | .000 | .000 | .250 | .250 | .250 | .500 | .000 | .583 |

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City of Menifee
N/S: I-215 Northbound Ramps
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Weather: Clear

File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 9 |
| 08:00 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 7 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 4 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 |
| Total | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 | 0 | 0 | 2 | 2 | 0 | 6 | 0 | 6 | 17 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 12 | 1 | 0 | 2 | 3 | 0 | 11 | 0 | 11 | 26 |
| Apprch % | 0 | 0 | 0 | | 0 | 66.7 | 33.3 | | 33.3 | 0 | 66.7 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 30.8 | 15.4 | 46.2 | 3.8 | 0 | 7.7 | 11.5 | 0 | 42.3 | 0 | 42.3 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** | **3** |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** | 0 | 1 | 0 | 1 | 2 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 9 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 100 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .750 | .000 | .750 | .250 | .000 | .000 | .250 | .000 | .625 | .000 | .625 | .750 |

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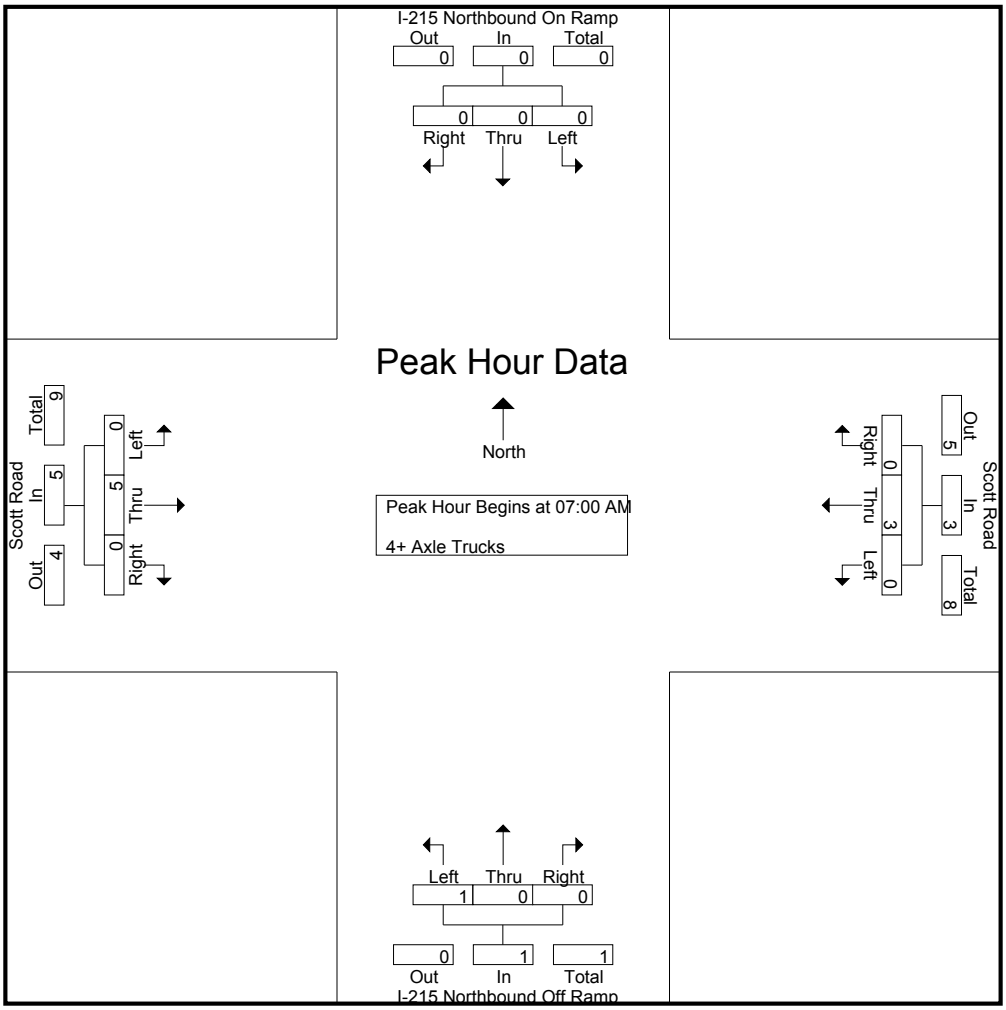
File Name : MEN215NSCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **2** | 0 | **2** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | 0 | **1** | 0 | 1 | 0 | 1 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 5 |
| % App. Total | 0 | 0 | 0 | | 0 | 100 | 0 | | 100 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .750 | .000 | .750 | .250 | .000 | .000 | .250 | .000 | .625 | .000 | .625 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 202 | 105 | 307 | 57 | 0 | 117 | 174 | 28 | 209 | 0 | 237 | 718 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 196 | 75 | 271 | 59 | 1 | 106 | 166 | 27 | 220 | 0 | 247 | 684 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 224 | 104 | 328 | 55 | 0 | 122 | 177 | 22 | 182 | 0 | 204 | 709 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 192 | 108 | 300 | 62 | 0 | 106 | 168 | 16 | 218 | 0 | 234 | 702 |
| Total | 0 | 0 | 0 | 0 | 0 | 814 | 392 | 1206 | 233 | 1 | 451 | 685 | 93 | 829 | 0 | 922 | 2813 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 195 | 92 | 287 | 59 | 0 | 139 | 198 | 35 | 201 | 0 | 236 | 721 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 185 | 106 | 291 | 66 | 0 | 130 | 196 | 26 | 226 | 0 | 252 | 739 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 192 | 90 | 282 | 66 | 0 | 119 | 185 | 27 | 241 | 0 | 268 | 735 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 188 | 68 | 256 | 73 | 0 | 128 | 201 | 21 | 231 | 0 | 252 | 709 |
| Total | 0 | 0 | 0 | 0 | 0 | 760 | 356 | 1116 | 264 | 0 | 516 | 780 | 109 | 899 | 0 | 1008 | 2904 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1574 | 748 | 2322 | 497 | 1 | 967 | 1465 | 202 | 1728 | 0 | 1930 | 5717 |
| Apprch % | 0 | 0 | 0 | | 0 | 67.8 | 32.2 | | 33.9 | 0.1 | 66 | | 10.5 | 89.5 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27.5 | 13.1 | 40.6 | 8.7 | 0 | 16.9 | 25.6 | 3.5 | 30.2 | 0 | 33.8 | |
| Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 1547 | 721 | 2268 | 489 | 0 | 957 | 1446 | 195 | 1709 | 0 | 1904 | 5618 |
| % Passenger Vehicles | 0 | 0 | 0 | 0 | 0 | 98.3 | 96.4 | 97.7 | 98.4 | 0 | 99 | 98.7 | 96.5 | 98.9 | 0 | 98.7 | 98.3 |
| Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 26 | 21 | 47 | 6 | 1 | 9 | 16 | 4 | 14 | 0 | 18 | 81 |
| % Large 2 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 1.7 | 2.8 | 2 | 1.2 | 100 | 0.9 | 1.1 | 2 | 0.8 | 0 | 0.9 | 1.4 |
| 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 3 |
| % 3 Axle Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0.2 | 0.1 |
| 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 2 | 0 | 1 | 3 | 3 | 2 | 0 | 5 | 15 |
| % 4+ Axle Trucks | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.8 | 0.3 | 0.4 | 0 | 0.1 | 0.2 | 1.5 | 0.1 | 0 | 0.3 | 0.3 |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | **195** | 92 | 287 | 59 | 0 | **139** | 198 | **35** | 201 | 0 | 236 | 721 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 185 | **106** | **291** | 66 | 0 | 130 | 196 | 26 | 226 | 0 | 252 | **739** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 192 | 90 | 282 | 66 | 0 | 119 | 185 | 27 | **241** | 0 | **268** | 735 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 188 | 68 | 256 | **73** | 0 | 128 | **201** | 21 | 231 | 0 | 252 | 709 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 760 | 356 | 1116 | 264 | 0 | 516 | 780 | 109 | 899 | 0 | 1008 | 2904 |
| % App. Total | 0 | 0 | 0 | | 0 | 68.1 | 31.9 | | 33.8 | 0 | 66.2 | | 10.8 | 89.2 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .974 | .840 | .959 | .904 | .000 | .928 | .970 | .779 | .933 | .000 | .940 | .982 |

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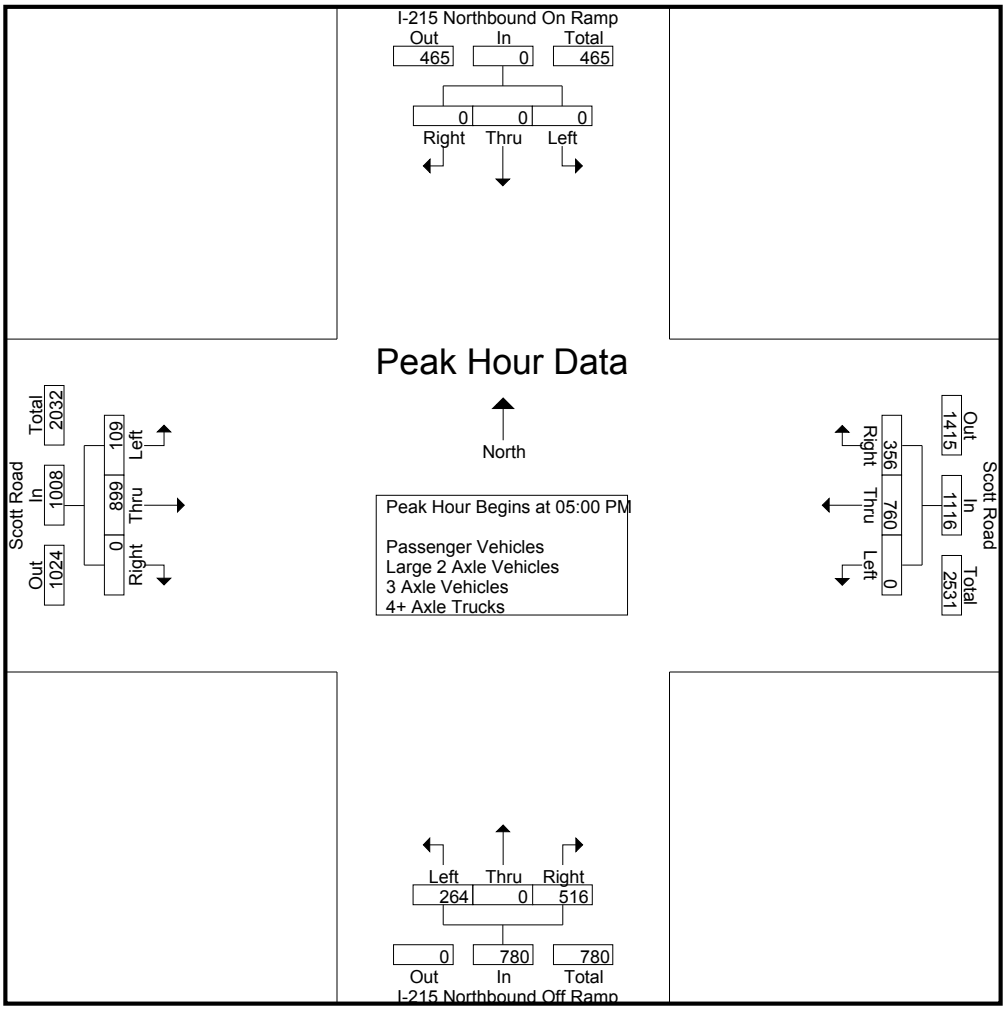
File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 202 | 105 | 307 | 59 | 0 | **139** | 198 | **35** | 201 | 0 | 236 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 196 | 75 | 271 | 66 | 0 | 130 | 196 | 26 | 226 | 0 | 252 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | **224** | 104 | **328** | 66 | 0 | 119 | 185 | 27 | **241** | 0 | **268** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 192 | **108** | 300 | **73** | 0 | 128 | **201** | 21 | 231 | 0 | 252 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 814 | 392 | 1206 | 264 | 0 | 516 | 780 | 109 | 899 | 0 | 1008 |
| % App. Total | 0 | 0 | 0 | | 0 | 67.5 | 32.5 | | 33.8 | 0 | 66.2 | | 10.8 | 89.2 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .908 | .907 | .919 | .904 | .000 | .928 | .970 | .779 | .933 | .000 | .940 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Passenger Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 197 | 98 | 295 | 55 | 0 | 115 | 170 | 27 | 208 | 0 | 235 | 700 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 192 | 73 | 265 | 58 | 0 | 105 | 163 | 26 | 216 | 0 | 242 | 670 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 222 | 103 | 325 | 54 | 0 | 120 | 174 | 20 | 181 | 0 | 201 | 700 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 190 | 106 | 296 | 61 | 0 | 106 | 167 | 16 | 217 | 0 | 233 | 696 |
| Total | 0 | 0 | 0 | 0 | 0 | 801 | 380 | 1181 | 228 | 0 | 446 | 674 | 89 | 822 | 0 | 911 | 2766 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 192 | 89 | 281 | 57 | 0 | 139 | 196 | 34 | 199 | 0 | 233 | 710 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 180 | 102 | 282 | 66 | 0 | 127 | 193 | 26 | 221 | 0 | 247 | 722 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 188 | 84 | 272 | 65 | 0 | 118 | 183 | 26 | 240 | 0 | 266 | 721 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 186 | 66 | 252 | 73 | 0 | 127 | 200 | 20 | 227 | 0 | 247 | 699 |
| Total | 0 | 0 | 0 | 0 | 0 | 746 | 341 | 1087 | 261 | 0 | 511 | 772 | 106 | 887 | 0 | 993 | 2852 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1547 | 721 | 2268 | 489 | 0 | 957 | 1446 | 195 | 1709 | 0 | 1904 | 5618 |
| Apprch % | 0 | 0 | 0 | | 0 | 68.2 | 31.8 | | 33.8 | 0 | 66.2 | | 10.2 | 89.8 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 27.5 | 12.8 | 40.4 | 8.7 | 0 | 17 | 25.7 | 3.5 | 30.4 | 0 | 33.9 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | **192** | 89 | 281 | 57 | 0 | **139** | 196 | **34** | 199 | 0 | 233 | 710 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 180 | **102** | **282** | 66 | 0 | 127 | 193 | 26 | 221 | 0 | 247 | **722** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 188 | 84 | 272 | 65 | 0 | 118 | 183 | 26 | **240** | 0 | **266** | 721 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 186 | 66 | 252 | **73** | 0 | 127 | **200** | 20 | 227 | 0 | 247 | 699 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 746 | 341 | 1087 | 261 | 0 | 511 | 772 | 106 | 887 | 0 | 993 | 2852 |
| % App. Total | 0 | 0 | 0 | | 0 | 68.6 | 31.4 | | 33.8 | 0 | 66.2 | | 10.7 | 89.3 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .971 | .836 | .964 | .894 | .000 | .919 | .965 | .779 | .924 | .000 | .933 | .988 |

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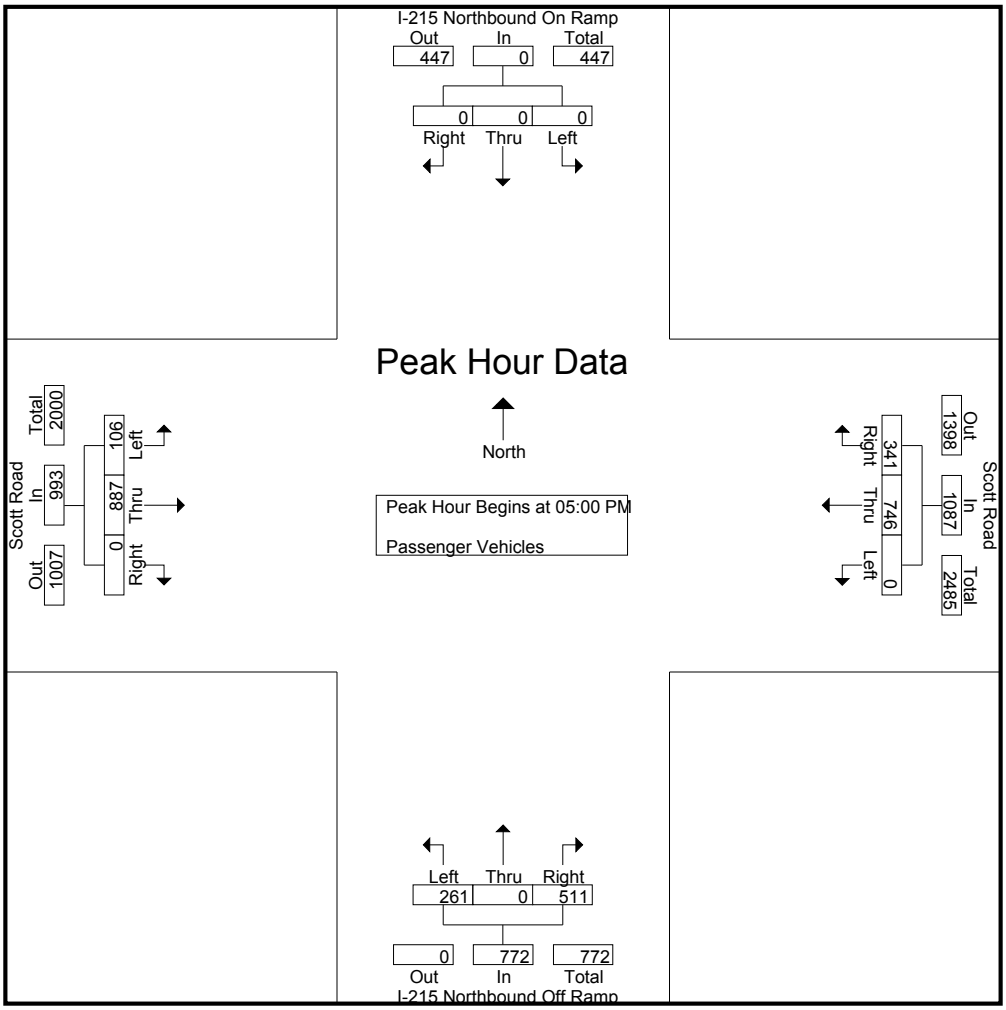
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | **192** | 89 | 281 | 57 | 0 | **139** | 196 | **34** | 199 | 0 | 233 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 180 | **102** | **282** | 66 | 0 | 127 | 193 | 26 | 221 | 0 | 247 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 188 | 84 | 272 | 65 | 0 | 118 | 183 | 26 | **240** | 0 | **266** |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 186 | 66 | 252 | **73** | 0 | 127 | **200** | 20 | 227 | 0 | 247 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 746 | 341 | 1087 | 261 | 0 | 511 | 772 | 106 | 887 | 0 | 993 |
| % App. Total | 0 | 0 | 0 | | 0 | 68.6 | 31.4 | | 33.8 | 0 | 66.2 | | 10.7 | 89.3 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .971 | .836 | .964 | .894 | .000 | .919 | .965 | .779 | .924 | .000 | .933 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Large 2 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 10 | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 1 | 14 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 3 | 9 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 3 | 1 | 1 | 0 | 2 | 6 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 6 |
| Total | 0 | 0 | 0 | 0 | 0 | 12 | 8 | 20 | 3 | 1 | 4 | 8 | 1 | 6 | 0 | 7 | 35 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 10 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 0 | 0 | 3 | 3 | 0 | 3 | 0 | 3 | 14 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 9 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 13 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 4 | 9 |
| Total | 0 | 0 | 0 | 0 | 0 | 14 | 13 | 27 | 3 | 0 | 5 | 8 | 3 | 8 | 0 | 11 | 46 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 26 | 21 | 47 | 6 | 1 | 9 | 16 | 4 | 14 | 0 | 18 | 81 |
| Apprch % | 0 | 0 | 0 | | 0 | 55.3 | 44.7 | | 37.5 | 6.2 | 56.2 | | 22.2 | 77.8 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 32.1 | 25.9 | 58 | 7.4 | 1.2 | 11.1 | 19.8 | 4.9 | 17.3 | 0 | 22.2 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | **2** | 0 | 0 | 2 | **1** | 1 | 0 | 2 | 10 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | **5** | 3 | 8 | 0 | 0 | **3** | **3** | 0 | **3** | 0 | 3 | **14** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 4 | **5** | **9** | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 13 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | **4** | 9 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 14 | 13 | 27 | 3 | 0 | 5 | 8 | 3 | 8 | 0 | 11 | 46 |
| % App. Total | 0 | 0 | 0 | | 0 | 51.9 | 48.1 | | 37.5 | 0 | 62.5 | | 27.3 | 72.7 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .700 | .650 | .750 | .375 | .000 | .417 | .667 | .750 | .667 | .000 | .688 | .821 |

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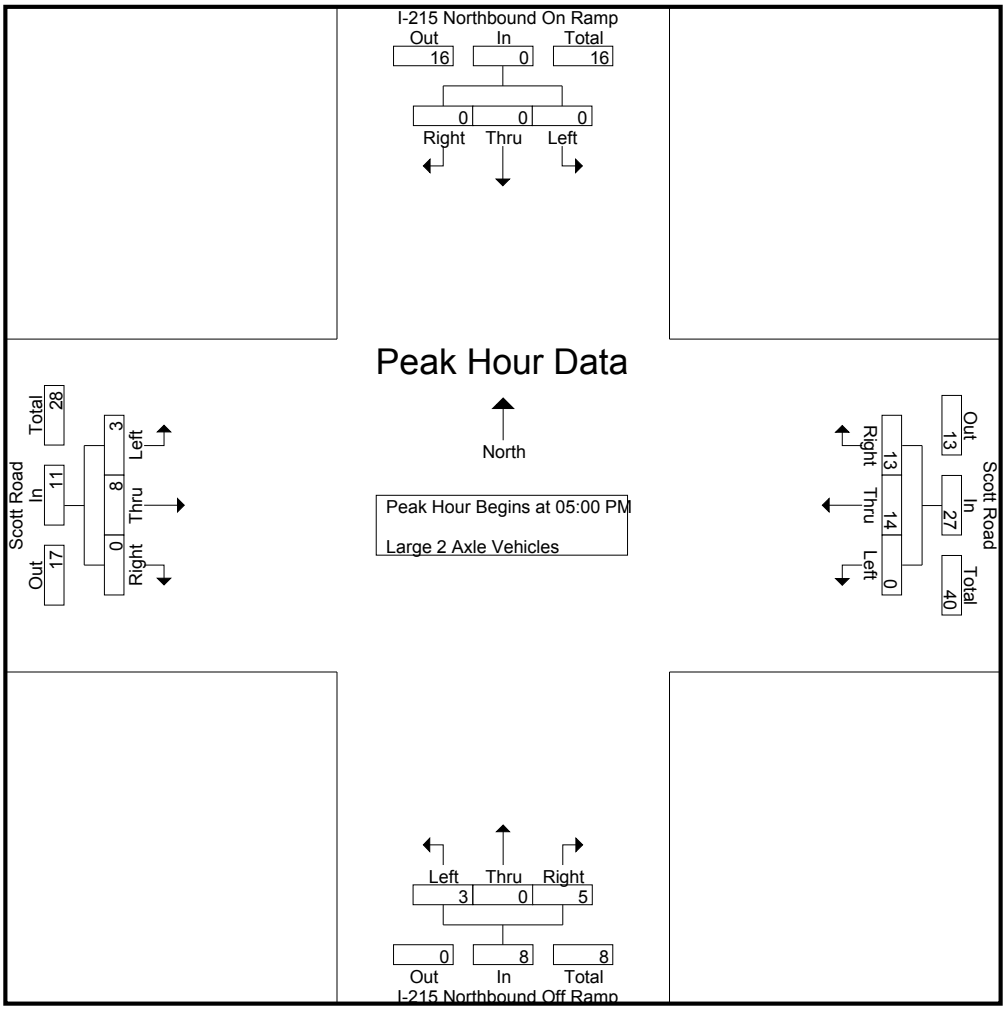
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | **2** | 0 | 0 | 2 | **1** | 1 | 0 | 2 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | **5** | 3 | 8 | 0 | 0 | **3** | **3** | 0 | **3** | 0 | 3 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 4 | **5** | **9** | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 2 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | **4** |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 14 | 13 | 27 | 3 | 0 | 5 | 8 | 3 | 8 | 0 | 11 |
| % App. Total | 0 | 0 | 0 | | 0 | 51.9 | 48.1 | | 37.5 | 0 | 62.5 | | 27.3 | 72.7 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .700 | .650 | .750 | .375 | .000 | .417 | .667 | .750 | .667 | .000 | .688 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 3 Axle Vehicles

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 3 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **1** |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .500 |

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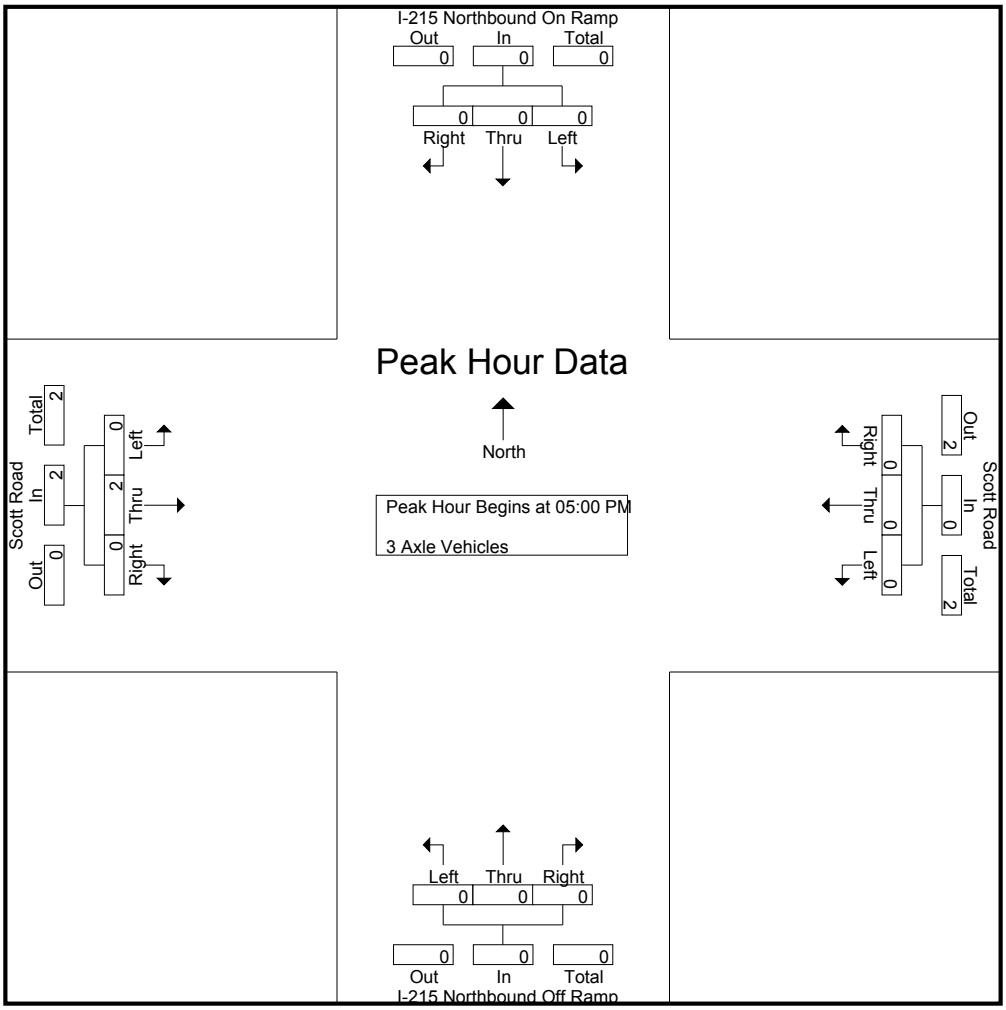
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- 4+ Axle Trucks

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 4 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 4 |
| 04:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| 04:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 2 | 0 | 1 | 3 | 3 | 0 | 0 | 3 | 11 |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 2 | 0 | 1 | 3 | 3 | 2 | 0 | 5 | 15 |
| Apprch % | 0 | 0 | 0 | | 0 | 14.3 | 85.7 | | 66.7 | 0 | 33.3 | | 60 | 40 | 0 | | |
| Total % | 0 | 0 | 0 | 0 | 0 | 6.7 | 40 | 46.7 | 13.3 | 0 | 6.7 | 20 | 20 | 13.3 | 0 | 33.3 | |

| | I-215 Northbound On Ramp Southbound | | | | Scott Road Westbound | | | | I-215 Northbound Off Ramp Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** | **2** |
| 05:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 05:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 100 | 0 | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .500 | .500 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 | .500 |

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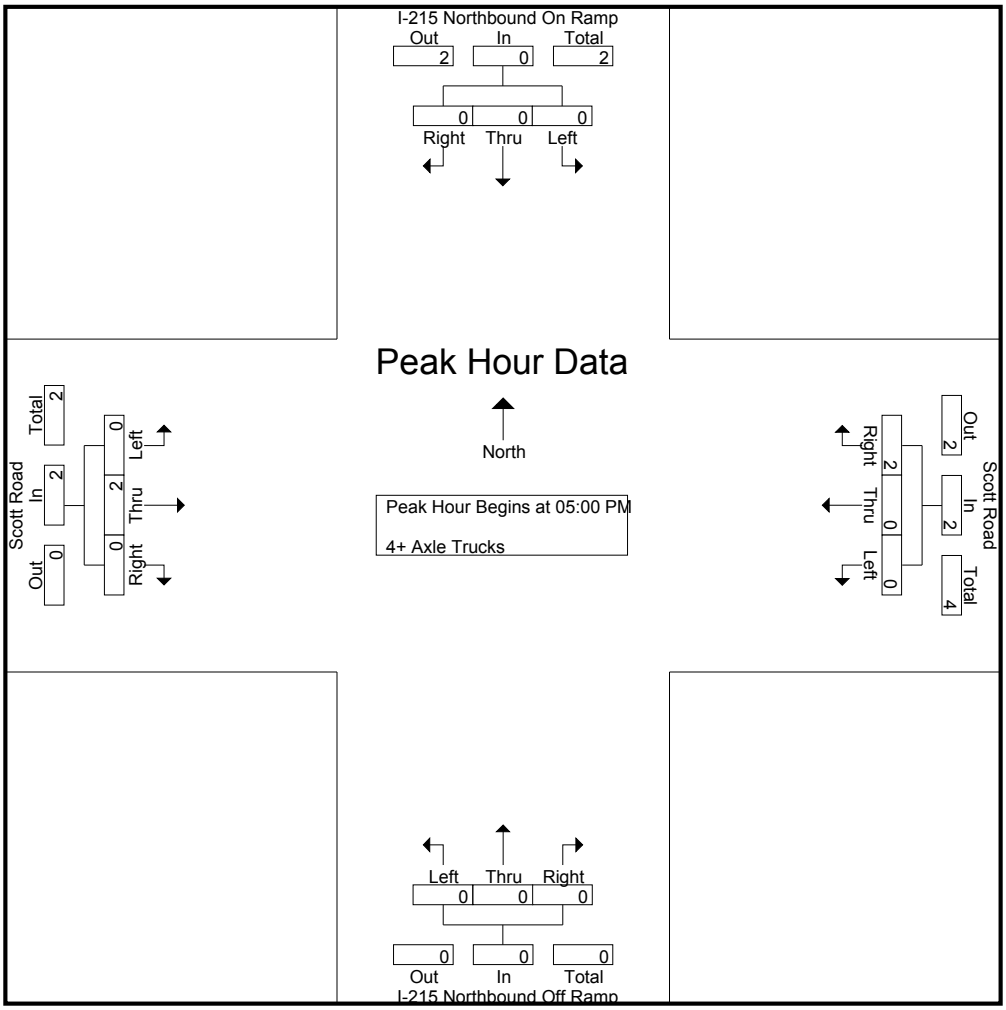
City of Menifee
N/S: I-215 Northbound Ramps
E/W: Scott Road
Weather: Clear

File Name : MEN215NSCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +15 mins. | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | 0 | 0 | 0 | **1** | 0 | **1** |
| +30 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| +45 mins. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| % App. Total | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 100 | 0 | |
| PHF | .000 | .000 | .000 | .000 | .000 | .000 | .500 | .500 | .000 | .000 | .000 | .000 | .000 | .500 | .000 | .500 |

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City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETAM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 60 | 66 | 14 | 14 | 28 | 80 | 6 | 86 | 180 |
| 07:15 AM | 3 | 65 | 68 | 14 | 21 | 35 | 115 | 7 | 122 | 225 |
| 07:30 AM | 6 | 73 | 79 | 8 | 12 | 20 | 97 | 8 | 105 | 204 |
| 07:45 AM | 13 | 87 | 100 | 12 | 6 | 18 | 104 | 12 | 116 | 234 |
| Total | 28 | 285 | 313 | 48 | 53 | 101 | 396 | 33 | 429 | 843 |
| 08:00 AM | 11 | 68 | 79 | 13 | 9 | 22 | 63 | 12 | 75 | 176 |
| 08:15 AM | 10 | 63 | 73 | 10 | 10 | 20 | 63 | 10 | 73 | 166 |
| 08:30 AM | 8 | 62 | 70 | 18 | 6 | 24 | 61 | 13 | 74 | 168 |
| 08:45 AM | 1 | 51 | 52 | 16 | 6 | 22 | 67 | 11 | 78 | 152 |
| Total | 30 | 244 | 274 | 57 | 31 | 88 | 254 | 46 | 300 | 662 |
| Grand Total | 58 | 529 | 587 | 105 | 84 | 189 | 650 | 79 | 729 | 1505 |
| Apprch % | 9.9 | 90.1 | | 55.6 | 44.4 | | 89.2 | 10.8 | | |
| Total % | 3.9 | 35.1 | 39 | 7 | 5.6 | 12.6 | 43.2 | 5.2 | 48.4 | |

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | |
| 07:00 AM | 6 | 60 | 66 | **14** | 14 | 28 | 80 | 6 | 86 | 180 |
| 07:15 AM | 3 | 65 | 68 | 14 | **21** | **35** | **115** | 7 | **122** | 225 |
| 07:30 AM | 6 | 73 | 79 | 8 | 12 | 20 | 97 | 8 | 105 | 204 |
| 07:45 AM | **13** | **87** | **100** | 12 | 6 | 18 | 104 | **12** | 116 | **234** |
| Total Volume | 28 | 285 | 313 | 48 | 53 | 101 | 396 | 33 | 429 | 843 |
| % App. Total | 8.9 | 91.1 | | 47.5 | 52.5 | | 92.3 | 7.7 | | |
| PHF | .538 | .819 | .783 | .857 | .631 | .721 | .861 | .688 | .879 | .901 |

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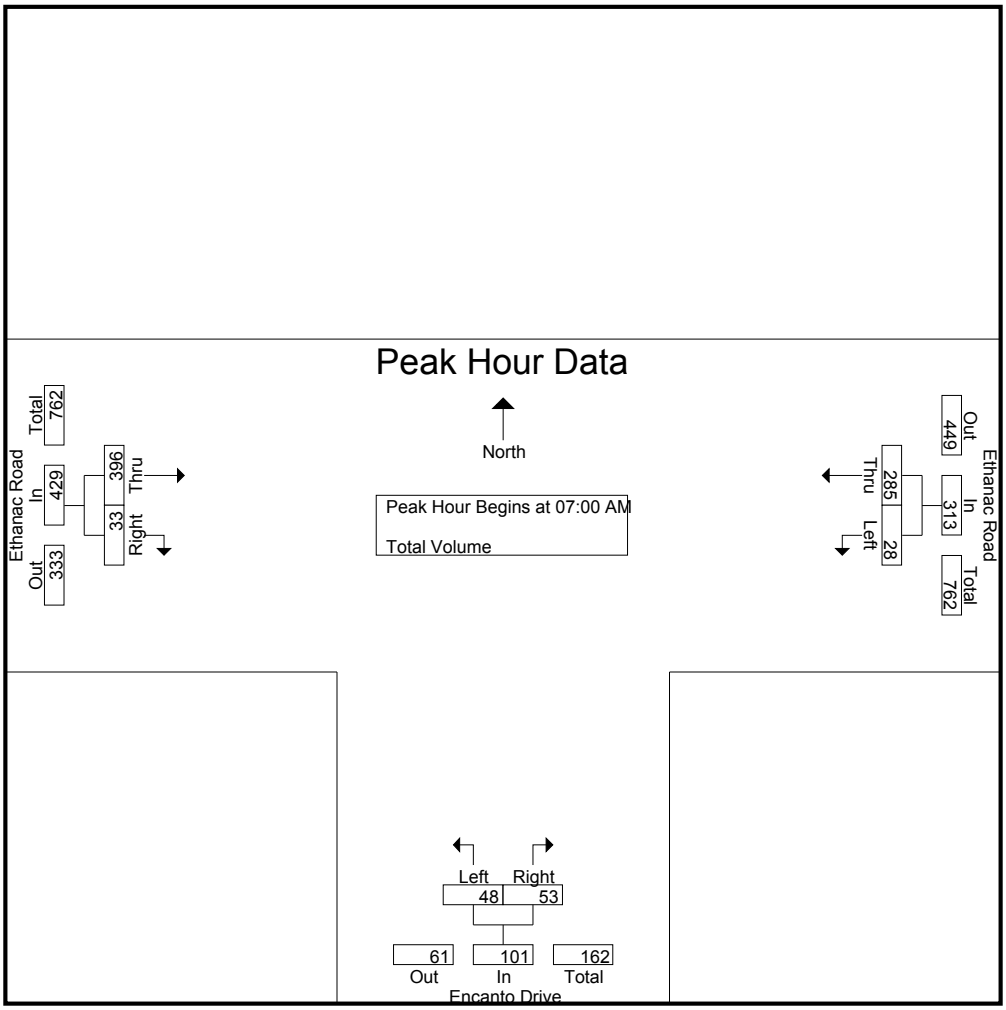
City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETAM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:30 AM | | | 07:00 AM | | | 07:00 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 6 | 73 | 79 | **14** | 14 | 28 | 80 | 6 | 86 |
| +15 mins. | **13** | **87** | **100** | 14 | **21** | **35** | **115** | 7 | **122** |
| +30 mins. | 11 | 68 | 79 | 8 | 12 | 20 | 97 | 8 | 105 |
| +45 mins. | 10 | 63 | 73 | 12 | 6 | 18 | 104 | **12** | 116 |
| Total Volume | 40 | 291 | 331 | 48 | 53 | 101 | 396 | 33 | 429 |
| % App. Total | 12.1 | 87.9 | | 47.5 | 52.5 | | 92.3 | 7.7 | |
| PHF | .769 | .836 | .828 | .857 | .631 | .721 | .861 | .688 | .879 |

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City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETPM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 2 | 79 | 81 | 5 | 15 | 20 | 98 | 6 | 104 | 205 |
| 04:15 PM | 7 | 43 | 50 | 5 | 13 | 18 | 101 | 16 | 117 | 185 |
| 04:30 PM | 8 | 72 | 80 | 20 | 11 | 31 | 116 | 27 | 143 | 254 |
| 04:45 PM | 11 | 57 | 68 | 20 | 11 | 31 | 90 | 21 | 111 | 210 |
| Total | 28 | 251 | 279 | 50 | 50 | 100 | 405 | 70 | 475 | 854 |
| 05:00 PM | 5 | 77 | 82 | 12 | 9 | 21 | 77 | 18 | 95 | 198 |
| 05:15 PM | 9 | 74 | 83 | 17 | 13 | 30 | 112 | 26 | 138 | 251 |
| 05:30 PM | 5 | 80 | 85 | 14 | 4 | 18 | 89 | 15 | 104 | 207 |
| 05:45 PM | 1 | 46 | 47 | 17 | 9 | 26 | 82 | 23 | 105 | 178 |
| Total | 20 | 277 | 297 | 60 | 35 | 95 | 360 | 82 | 442 | 834 |
| Grand Total | 48 | 528 | 576 | 110 | 85 | 195 | 765 | 152 | 917 | 1688 |
| Apprch % | 8.3 | 91.7 | | 56.4 | 43.6 | | 83.4 | 16.6 | | |
| Total % | 2.8 | 31.3 | 34.1 | 6.5 | 5 | 11.6 | 45.3 | 9 | 54.3 | |

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | |
| 04:30 PM | 8 | 72 | 80 | **20** | 11 | **31** | **116** | **27** | **143** | **254** |
| 04:45 PM | **11** | 57 | 68 | 20 | 11 | 31 | 90 | 21 | 111 | 210 |
| 05:00 PM | 5 | **77** | 82 | 12 | 9 | 21 | 77 | 18 | 95 | 198 |
| 05:15 PM | 9 | 74 | **83** | 17 | **13** | 30 | 112 | 26 | 138 | 251 |
| Total Volume | 33 | 280 | 313 | 69 | 44 | 113 | 395 | 92 | 487 | 913 |
| % App. Total | 10.5 | 89.5 | | 61.1 | 38.9 | | 81.1 | 18.9 | | |
| PHF | .750 | .909 | .943 | .863 | .846 | .911 | .851 | .852 | .851 | .899 |

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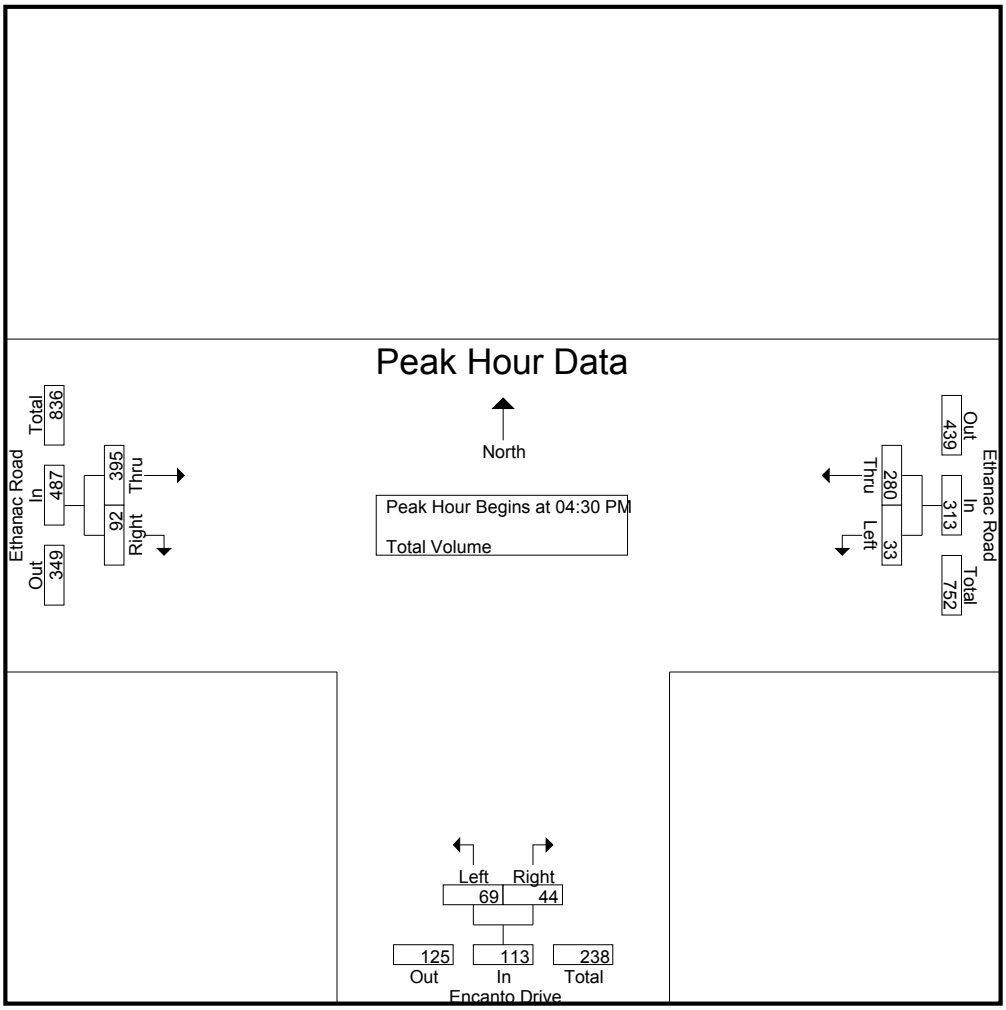
City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETPM
Site Code : 00000037
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | 04:30 PM | | | 04:30 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **11** | 57 | 68 | **20** | 11 | **31** | **116** | **27** | **143** |
| +15 mins. | 5 | 77 | 82 | 20 | 11 | 31 | 90 | 21 | 111 |
| +30 mins. | 9 | 74 | 83 | 12 | 9 | 21 | 77 | 18 | 95 |
| +45 mins. | 5 | **80** | **85** | 17 | **13** | 30 | 112 | 26 | 138 |
| Total Volume | 30 | 288 | 318 | 69 | 44 | 113 | 395 | 92 | 487 |
| % App. Total | 9.4 | 90.6 | | 61.1 | 38.9 | | 81.1 | 18.9 | |
| PHF | .682 | .900 | .935 | .863 | .846 | .911 | .851 | .852 | .851 |

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City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETSAT
Site Code : 00000037
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 4 | 72 | 76 | 10 | 13 | 23 | 76 | 13 | 89 | 188 |
| 12:15 PM | 5 | 73 | 78 | 11 | 12 | 23 | 81 | 14 | 95 | 196 |
| 12:30 PM | 2 | 68 | 70 | 18 | 10 | 28 | 67 | 21 | 88 | 186 |
| 12:45 PM | 7 | 61 | 68 | 16 | 6 | 22 | 80 | 24 | 104 | 194 |
| Total | 18 | 274 | 292 | 55 | 41 | 96 | 304 | 72 | 376 | 764 |
| 01:00 PM | 4 | 72 | 76 | 11 | 8 | 19 | 72 | 23 | 95 | 190 |
| 01:15 PM | 4 | 63 | 67 | 18 | 10 | 28 | 88 | 21 | 109 | 204 |
| 01:30 PM | 6 | 77 | 83 | 17 | 7 | 24 | 79 | 17 | 96 | 203 |
| 01:45 PM | 3 | 66 | 69 | 14 | 8 | 22 | 62 | 21 | 83 | 174 |
| Total | 17 | 278 | 295 | 60 | 33 | 93 | 301 | 82 | 383 | 771 |
| Grand Total | 35 | 552 | 587 | 115 | 74 | 189 | 605 | 154 | 759 | 1535 |
| Apprch % | 6 | 94 | | 60.8 | 39.2 | | 79.7 | 20.3 | | |
| Total % | 2.3 | 36 | 38.2 | 7.5 | 4.8 | 12.3 | 39.4 | 10 | 49.4 | |

| | Ethanac Road Westbound | | | Encanto Drive Northbound | | | Ethanac Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:45 PM | | | | | | | | | | |
| 12:45 PM | **7** | 61 | 68 | 16 | 6 | 22 | 80 | **24** | 104 | 194 |
| 01:00 PM | 4 | 72 | 76 | 11 | 8 | 19 | 72 | 23 | 95 | 190 |
| 01:15 PM | 4 | 63 | 67 | **18** | **10** | **28** | **88** | 21 | **109** | **204** |
| 01:30 PM | 6 | **77** | **83** | 17 | 7 | 24 | 79 | 17 | 96 | 203 |
| Total Volume | 21 | 273 | 294 | 62 | 31 | 93 | 319 | 85 | 404 | 791 |
| % App. Total | 7.1 | 92.9 | | 66.7 | 33.3 | | 79 | 21 | | |
| PHF | .750 | .886 | .886 | .861 | .775 | .830 | .906 | .885 | .927 | .969 |

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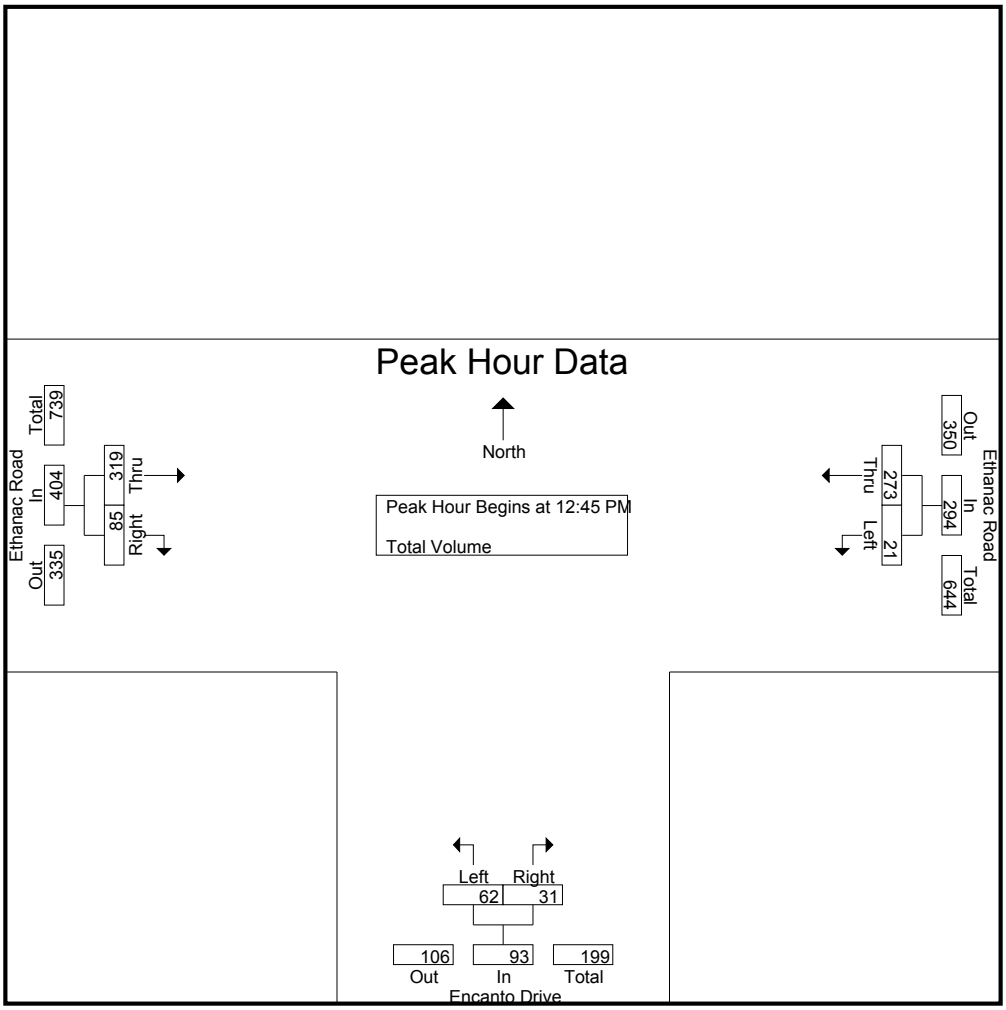
City of Menifee
N/S: Encanto Drive
E/W: Ethanac Road
Weather: Sunny

File Name : MENENETSAT
Site Code : 00000037
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 01:00 PM | | | 12:30 PM | | | 12:45 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 4 | 72 | 76 | **18** | **10** | **28** | 80 | **24** | 104 |
| +15 mins. | 4 | 63 | 67 | 16 | 6 | 22 | 72 | 23 | 95 |
| +30 mins. | **6** | **77** | **83** | 11 | 8 | 19 | **88** | 21 | **109** |
| +45 mins. | 3 | 66 | 69 | 18 | 10 | 28 | 79 | 17 | 96 |
| Total Volume | 17 | 278 | 295 | 63 | 34 | 97 | 319 | 85 | 404 |
| % App. Total | 5.8 | 94.2 | | 64.9 | 35.1 | | 79 | 21 | |
| PHF | .708 | .903 | .889 | .875 | .850 | .866 | .906 | .885 | .927 |

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City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 12 | 0 | 20 | 32 | 0 | 177 | 13 | 190 | 52 | 9 | 6 | 67 | 12 | 124 | 19 | 155 | 444 |
| 07:15 AM | 18 | 2 | 18 | 38 | 2 | 201 | 13 | 216 | 69 | 5 | 6 | 80 | 18 | 147 | 17 | 182 | 516 |
| 07:30 AM | 11 | 2 | 21 | 34 | 7 | 222 | 12 | 241 | 38 | 0 | 9 | 47 | 15 | 124 | 24 | 163 | 485 |
| 07:45 AM | 9 | 3 | 21 | 33 | 3 | 195 | 11 | 209 | 41 | 7 | 1 | 49 | 28 | 136 | 30 | 194 | 485 |
| Total | 50 | 7 | 80 | 137 | 12 | 795 | 49 | 856 | 200 | 21 | 22 | 243 | 73 | 531 | 90 | 694 | 1930 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 8 | 2 | 38 | 48 | 3 | 196 | 8 | 207 | 49 | 0 | 4 | 53 | 22 | 92 | 26 | 140 | 448 |
| 08:15 AM | 4 | 7 | 21 | 32 | 3 | 190 | 11 | 204 | 37 | 7 | 2 | 46 | 26 | 125 | 29 | 180 | 462 |
| 08:30 AM | 7 | 5 | 30 | 42 | 7 | 217 | 5 | 229 | 55 | 1 | 4 | 60 | 27 | 112 | 29 | 168 | 499 |
| 08:45 AM | 7 | 0 | 22 | 29 | 4 | 145 | 3 | 152 | 49 | 4 | 3 | 56 | 25 | 88 | 28 | 141 | 378 |
| Total | 26 | 14 | 111 | 151 | 17 | 748 | 27 | 792 | 190 | 12 | 13 | 215 | 100 | 417 | 112 | 629 | 1787 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 76 | 21 | 191 | 288 | 29 | 1543 | 76 | 1648 | 390 | 33 | 35 | 458 | 173 | 948 | 202 | 1323 | 3717 |
| Apprch % | 26.4 | 7.3 | 66.3 | | 1.8 | 93.6 | 4.6 | | 85.2 | 7.2 | 7.6 | | 13.1 | 71.7 | 15.3 | | |
| Total % | 2 | 0.6 | 5.1 | 7.7 | 0.8 | 41.5 | 2 | 44.3 | 10.5 | 0.9 | 0.9 | 12.3 | 4.7 | 25.5 | 5.4 | 35.6 | |

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **18** | 2 | 18 | 38 | 2 | 201 | **13** | 216 | **69** | 5 | 6 | **80** | 18 | **147** | 17 | 182 | **516** |
| 07:30 AM | 11 | 2 | 21 | 34 | **7** | **222** | 12 | **241** | 38 | 0 | **9** | 47 | 15 | 124 | 24 | 163 | 485 |
| 07:45 AM | 9 | **3** | 21 | 33 | 3 | 195 | 11 | 209 | 41 | **7** | 1 | 49 | **28** | 136 | **30** | **194** | 485 |
| 08:00 AM | 8 | 2 | **38** | **48** | 3 | 196 | 8 | 207 | 49 | 0 | 4 | 53 | 22 | 92 | 26 | 140 | 448 |
| Total Volume | 46 | 9 | 98 | 153 | 15 | 814 | 44 | 873 | 197 | 12 | 20 | 229 | 83 | 499 | 97 | 679 | 1934 |
| % App. Total | 30.1 | 5.9 | 64.1 | | 1.7 | 93.2 | 5 | | 86 | 5.2 | 8.7 | | 12.2 | 73.5 | 14.3 | | |
| PHF | .639 | .750 | .645 | .797 | .536 | .917 | .846 | .906 | .714 | .429 | .556 | .716 | .741 | .849 | .808 | .875 | .937 |

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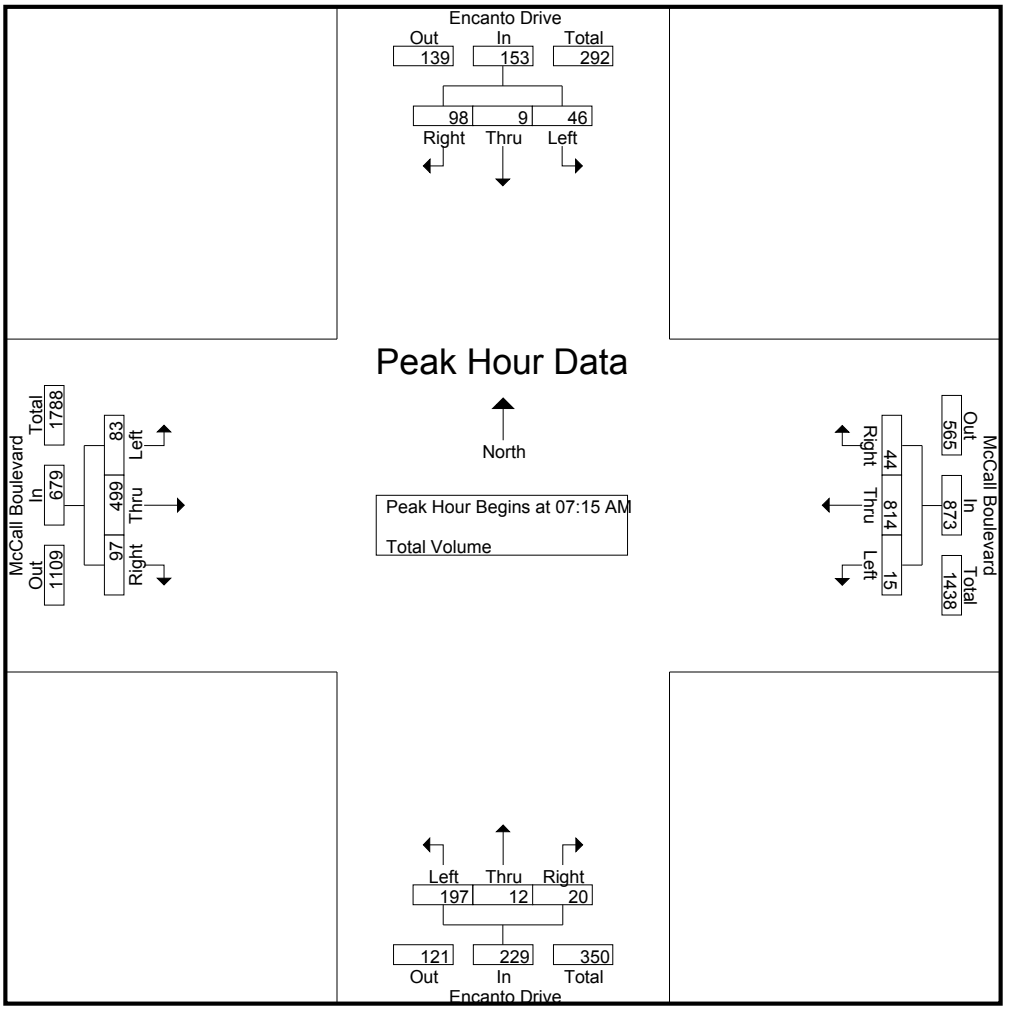
City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCAM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:15 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **9** | 3 | 21 | 33 | 2 | 201 | **13** | 216 | 52 | **9** | 6 | 67 | 12 | 124 | 19 | 155 |
| +15 mins. | 8 | 2 | **38** | **48** | **7** | **222** | 12 | **241** | **69** | 5 | 6 | **80** | 18 | **147** | 17 | 182 |
| +30 mins. | 4 | **7** | 21 | 32 | 3 | 195 | 11 | 209 | 38 | 0 | **9** | 47 | 15 | 124 | 24 | 163 |
| +45 mins. | 7 | 5 | 30 | 42 | 3 | 196 | 8 | 207 | 41 | 7 | 1 | 49 | **28** | 136 | **30** | **194** |
| Total Volume | 28 | 17 | 110 | 155 | 15 | 814 | 44 | 873 | 200 | 21 | 22 | 243 | 73 | 531 | 90 | 694 |
| % App. Total | 18.1 | 11 | 71 | | 1.7 | 93.2 | 5 | | 82.3 | 8.6 | 9.1 | | 10.5 | 76.5 | 13 | |
| PHF | .778 | .607 | .724 | .807 | .536 | .917 | .846 | .906 | .725 | .583 | .611 | .759 | .652 | .903 | .750 | .894 |

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City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 3 | 0 | 32 | 35 | 7 | 138 | 8 | 153 | 26 | 5 | 9 | 40 | 42 | 181 | 58 | 281 | 509 |
| 04:15 PM | 7 | 3 | 27 | 37 | 10 | 137 | 7 | 154 | 42 | 8 | 14 | 64 | 39 | 173 | 64 | 276 | 531 |
| 04:30 PM | 11 | 5 | 27 | 43 | 10 | 131 | 6 | 147 | 40 | 6 | 8 | 54 | 41 | 195 | 70 | 306 | 550 |
| 04:45 PM | 12 | 5 | 27 | 44 | 8 | 147 | 2 | 157 | 39 | 10 | 15 | 64 | 43 | 173 | 81 | 297 | 562 |
| Total | 33 | 13 | 113 | 159 | 35 | 553 | 23 | 611 | 147 | 29 | 46 | 222 | 165 | 722 | 273 | 1160 | 2152 |
| 05:00 PM | 6 | 5 | 29 | 40 | 7 | 140 | 1 | 148 | 47 | 3 | 8 | 58 | 39 | 216 | 75 | 330 | 576 |
| 05:15 PM | 10 | 7 | 24 | 41 | 7 | 134 | 8 | 149 | 40 | 4 | 7 | 51 | 45 | 225 | 73 | 343 | 584 |
| 05:30 PM | 6 | 2 | 17 | 25 | 6 | 126 | 8 | 140 | 44 | 9 | 13 | 66 | 49 | 201 | 82 | 332 | 563 |
| 05:45 PM | 4 | 2 | 18 | 24 | 14 | 157 | 17 | 188 | 40 | 4 | 9 | 53 | 41 | 185 | 72 | 298 | 563 |
| Total | 26 | 16 | 88 | 130 | 34 | 557 | 34 | 625 | 171 | 20 | 37 | 228 | 174 | 827 | 302 | 1303 | 2286 |
| Grand Total | 59 | 29 | 201 | 289 | 69 | 1110 | 57 | 1236 | 318 | 49 | 83 | 450 | 339 | 1549 | 575 | 2463 | 4438 |
| Apprch % | 20.4 | 10 | 69.6 | | 5.6 | 89.8 | 4.6 | | 70.7 | 10.9 | 18.4 | | 13.8 | 62.9 | 23.3 | | |
| Total % | 1.3 | 0.7 | 4.5 | 6.5 | 1.6 | 25 | 1.3 | 27.9 | 7.2 | 1.1 | 1.9 | 10.1 | 7.6 | 34.9 | 13 | 55.5 | |

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 6 | 5 | **29** | 40 | 7 | 140 | 1 | 148 | **47** | 3 | 8 | 58 | 39 | 216 | 75 | 330 | 576 |
| 05:15 PM | **10** | **7** | 24 | **41** | 7 | 134 | 8 | 149 | 40 | 4 | 7 | 51 | 45 | **225** | 73 | **343** | **584** |
| 05:30 PM | 6 | 2 | 17 | 25 | 6 | 126 | 8 | 140 | 44 | **9** | **13** | **66** | **49** | 201 | **82** | 332 | 563 |
| 05:45 PM | 4 | 2 | 18 | 24 | **14** | **157** | **17** | **188** | 40 | 4 | 9 | 53 | 41 | 185 | 72 | 298 | 563 |
| Total Volume | 26 | 16 | 88 | 130 | 34 | 557 | 34 | 625 | 171 | 20 | 37 | 228 | 174 | 827 | 302 | 1303 | 2286 |
| % App. Total | 20 | 12.3 | 67.7 | | 5.4 | 89.1 | 5.4 | | 75 | 8.8 | 16.2 | | 13.4 | 63.5 | 23.2 | | |
| PHF | .650 | .571 | .759 | .793 | .607 | .887 | .500 | .831 | .910 | .556 | .712 | .864 | .888 | .919 | .921 | .950 | .979 |

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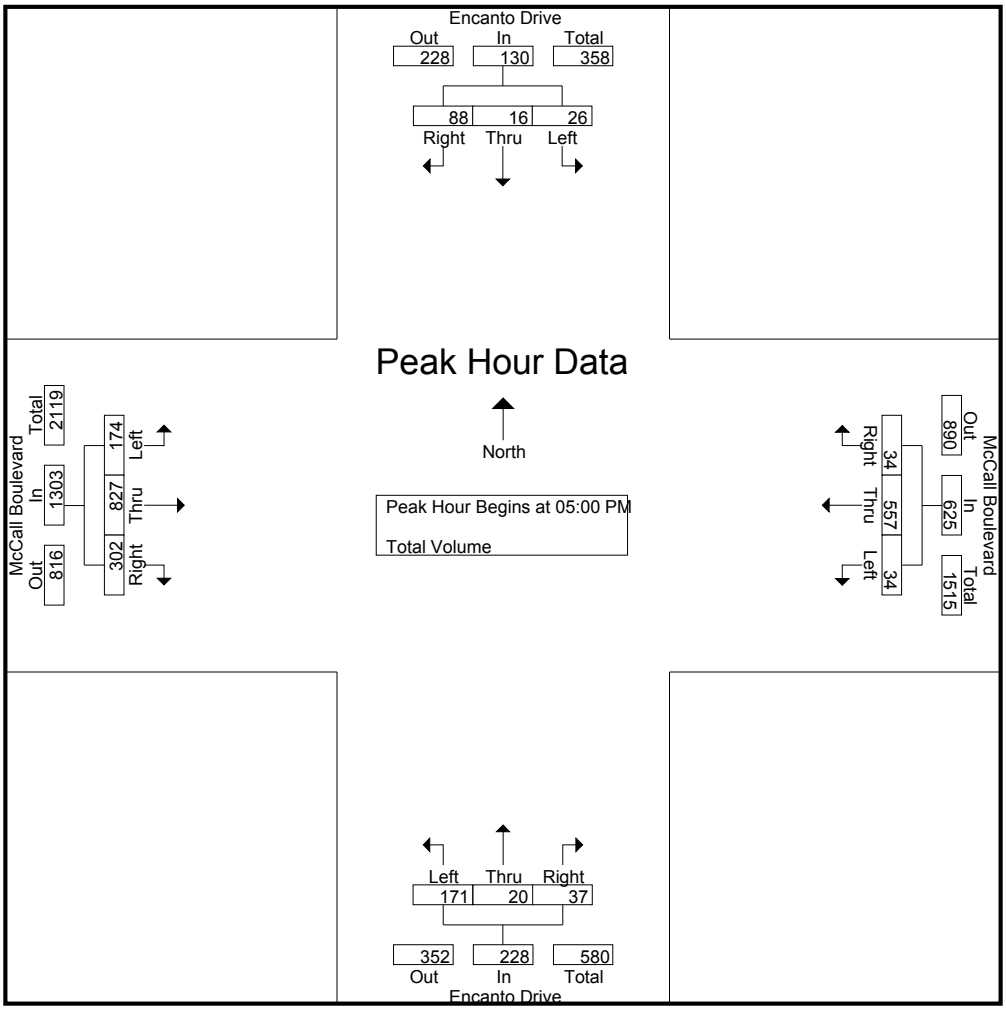
City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCPM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 05:00 PM | | | | 04:15 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 11 | 5 | 27 | 43 | 7 | 140 | 1 | 148 | 42 | 8 | 14 | **64** | 39 | 216 | 75 | 330 |
| +15 mins. | **12** | 5 | 27 | **44** | 7 | 134 | 8 | 149 | 40 | 6 | 8 | 54 | 45 | **225** | 73 | **343** |
| +30 mins. | 6 | 5 | **29** | 40 | 6 | 126 | 8 | 140 | 39 | **10** | **15** | 64 | **49** | 201 | **82** | 332 |
| +45 mins. | 10 | **7** | 24 | 41 | **14** | **157** | **17** | **188** | **47** | 3 | 8 | 58 | 41 | 185 | 72 | 298 |
| Total Volume | 39 | 22 | 107 | 168 | 34 | 557 | 34 | 625 | 168 | 27 | 45 | 240 | 174 | 827 | 302 | 1303 |
| % App. Total | 23.2 | 13.1 | 63.7 | | 5.4 | 89.1 | 5.4 | | 70 | 11.2 | 18.8 | | 13.4 | 63.5 | 23.2 | |
| PHF | .813 | .786 | .922 | .955 | .607 | .887 | .500 | .831 | .894 | .675 | .750 | .938 | .888 | .919 | .921 | .950 |

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City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 1 | 3 | 38 | 42 | 9 | 173 | 8 | 190 | 57 | 1 | 6 | 64 | 29 | 169 | 55 | 253 | 549 |
| 12:15 PM | 1 | 5 | 30 | 36 | 13 | 180 | 5 | 198 | 50 | 8 | 9 | 67 | 31 | 142 | 51 | 224 | 525 |
| 12:30 PM | 6 | 7 | 31 | 44 | 10 | 183 | 6 | 199 | 50 | 14 | 12 | 76 | 27 | 147 | 64 | 238 | 557 |
| 12:45 PM | 6 | 2 | 35 | 43 | 10 | 164 | 6 | 180 | 44 | 3 | 11 | 58 | 29 | 139 | 43 | 211 | 492 |
| Total | 14 | 17 | 134 | 165 | 42 | 700 | 25 | 767 | 201 | 26 | 38 | 265 | 116 | 597 | 213 | 926 | 2123 |
| | | | | | | | | | | | | | | | | | |
| 01:00 PM | 9 | 4 | 41 | 54 | 6 | 136 | 2 | 144 | 57 | 4 | 10 | 71 | 23 | 166 | 55 | 244 | 513 |
| 01:15 PM | 5 | 8 | 41 | 54 | 8 | 140 | 8 | 156 | 41 | 4 | 5 | 50 | 30 | 161 | 50 | 241 | 501 |
| 01:30 PM | 10 | 2 | 33 | 45 | 6 | 139 | 0 | 145 | 49 | 5 | 6 | 60 | 31 | 141 | 51 | 223 | 473 |
| 01:45 PM | 5 | 7 | 30 | 42 | 8 | 153 | 6 | 167 | 50 | 3 | 8 | 61 | 26 | 134 | 46 | 206 | 476 |
| Total | 29 | 21 | 145 | 195 | 28 | 568 | 16 | 612 | 197 | 16 | 29 | 242 | 110 | 602 | 202 | 914 | 1963 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 43 | 38 | 279 | 360 | 70 | 1268 | 41 | 1379 | 398 | 42 | 67 | 507 | 226 | 1199 | 415 | 1840 | 4086 |
| Apprch % | 11.9 | 10.6 | 77.5 | | 5.1 | 92 | 3 | | 78.5 | 8.3 | 13.2 | | 12.3 | 65.2 | 22.6 | | |
| Total % | 1.1 | 0.9 | 6.8 | 8.8 | 1.7 | 31 | 1 | 33.7 | 9.7 | 1 | 1.6 | 12.4 | 5.5 | 29.3 | 10.2 | 45 | |

| | Encanto Drive Southbound | | | | McCall Boulevard Westbound | | | | Encanto Drive Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 1 | 3 | **38** | 42 | 9 | 173 | **8** | 190 | **57** | 1 | 6 | 64 | 29 | **169** | 55 | **253** | 549 |
| 12:15 PM | 1 | 5 | 30 | 36 | **13** | 180 | 5 | 198 | 50 | 8 | 9 | 67 | **31** | 142 | 51 | 224 | 525 |
| 12:30 PM | **6** | **7** | 31 | **44** | 10 | **183** | 6 | **199** | 50 | **14** | **12** | **76** | 27 | 147 | **64** | 238 | **557** |
| 12:45 PM | 6 | 2 | 35 | 43 | 10 | 164 | 6 | 180 | 44 | 3 | 11 | 58 | 29 | 139 | 43 | 211 | 492 |
| Total Volume | 14 | 17 | 134 | 165 | 42 | 700 | 25 | 767 | 201 | 26 | 38 | 265 | 116 | 597 | 213 | 926 | 2123 |
| % App. Total | 8.5 | 10.3 | 81.2 | | 5.5 | 91.3 | 3.3 | | 75.8 | 9.8 | 14.3 | | 12.5 | 64.5 | 23 | | |
| PHF | .583 | .607 | .882 | .938 | .808 | .956 | .781 | .964 | .882 | .464 | .792 | .872 | .935 | .883 | .832 | .915 | .953 |

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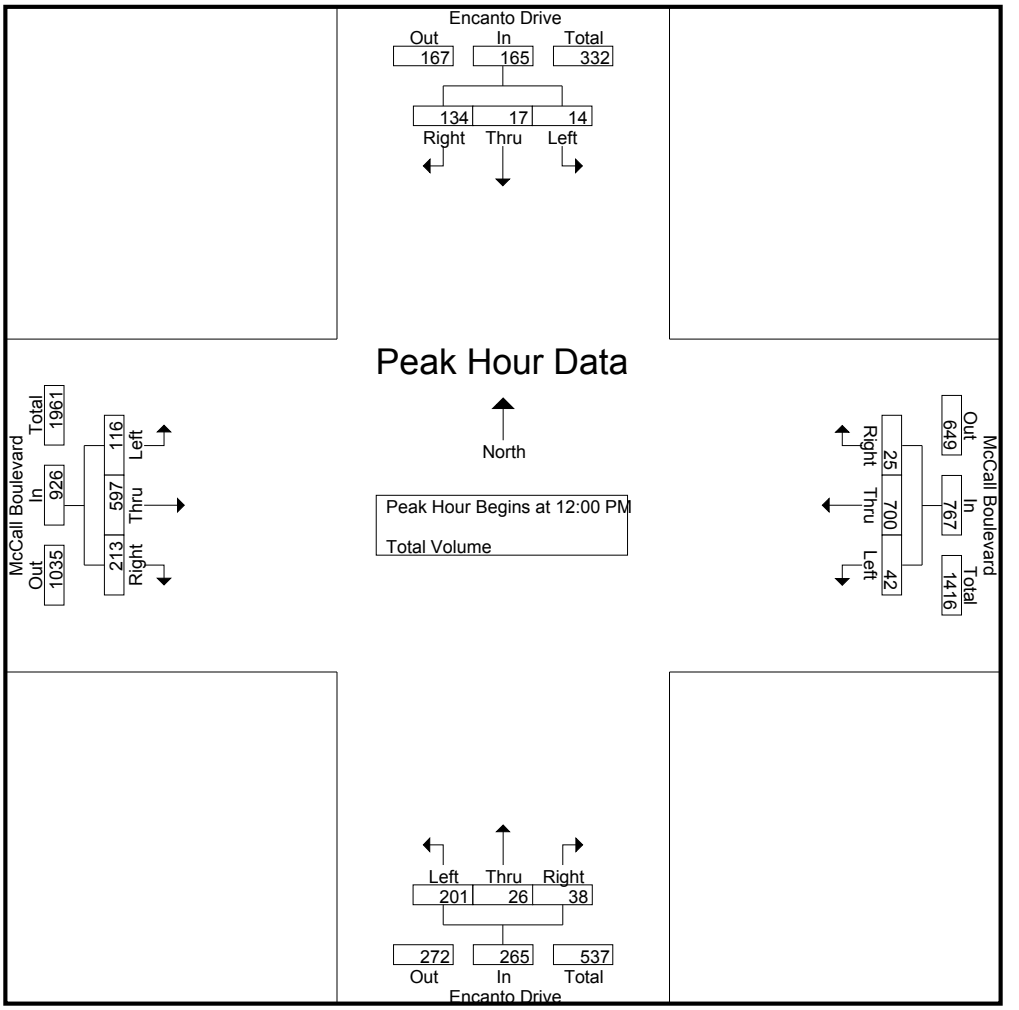
City of Menifee
N/S: Encanto Drive
E/W: McCall Boulevard
Weather: Sunny

File Name : MENENMCSAT
Site Code : 00000035
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:45 PM | | | | 12:00 PM | | | | 12:15 PM | | | | 12:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 6 | 2 | 35 | 43 | 9 | 173 | **8** | 190 | 50 | 8 | 9 | 67 | 27 | 147 | **64** | 238 |
| +15 mins. | 9 | 4 | **41** | **54** | **13** | 180 | 5 | 198 | 50 | **14** | **12** | **76** | 29 | 139 | 43 | 211 |
| +30 mins. | 5 | **8** | 41 | 54 | 10 | **183** | 6 | **199** | 44 | 3 | 11 | 58 | 23 | **166** | 55 | **244** |
| +45 mins. | **10** | 2 | 33 | 45 | 10 | 164 | 6 | 180 | **57** | 4 | 10 | 71 | **30** | 161 | 50 | 241 |
| Total Volume | 30 | 16 | 150 | 196 | 42 | 700 | 25 | 767 | 201 | 29 | 42 | 272 | 109 | 613 | 212 | 934 |
| % App. Total | 15.3 | 8.2 | 76.5 | | 5.5 | 91.3 | 3.3 | | 73.9 | 10.7 | 15.4 | | 11.7 | 65.6 | 22.7 | |
| PHF | .750 | .500 | .915 | .907 | .808 | .956 | .781 | .964 | .882 | .518 | .875 | .895 | .908 | .923 | .828 | .957 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Antelope Road
E/W: Newport Road
Weather: Clear

File Name : MENANNEAM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Antelope Road Southbound | | | | Newport Road Westbound | | | | Antelope Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 12 | 11 | 28 | 51 | 21 | 270 | 7 | 298 | 84 | 2 | 7 | 93 | 11 | 158 | 43 | 212 | 654 |
| 07:15 AM | 52 | 21 | 33 | 106 | 28 | 306 | 14 | 348 | 100 | 12 | 36 | 148 | 17 | 197 | 99 | 313 | 915 |
| 07:30 AM | 38 | 28 | 42 | 108 | 36 | 364 | 35 | 435 | 86 | 10 | 34 | 130 | 15 | 188 | 171 | 374 | 1047 |
| 07:45 AM | 16 | 8 | 27 | 51 | 34 | 341 | 20 | 395 | 105 | 12 | 25 | 142 | 22 | 153 | 241 | 416 | 1004 |
| Total | 118 | 68 | 130 | 316 | 119 | 1281 | 76 | 1476 | 375 | 36 | 102 | 513 | 65 | 696 | 554 | 1315 | 3620 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 4 | 13 | 46 | 63 | 30 | 233 | 9 | 272 | 84 | 6 | 23 | 113 | 14 | 158 | 133 | 305 | 753 |
| 08:15 AM | 5 | 20 | 43 | 68 | 16 | 268 | 10 | 294 | 123 | 15 | 20 | 158 | 19 | 161 | 95 | 275 | 795 |
| 08:30 AM | 12 | 20 | 39 | 71 | 35 | 251 | 3 | 289 | 107 | 8 | 14 | 129 | 22 | 177 | 98 | 297 | 786 |
| 08:45 AM | 6 | 15 | 37 | 58 | 26 | 218 | 5 | 249 | 96 | 15 | 15 | 126 | 33 | 171 | 83 | 287 | 720 |
| Total | 27 | 68 | 165 | 260 | 107 | 970 | 27 | 1104 | 410 | 44 | 72 | 526 | 88 | 667 | 409 | 1164 | 3054 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 145 | 136 | 295 | 576 | 226 | 2251 | 103 | 2580 | 785 | 80 | 174 | 1039 | 153 | 1363 | 963 | 2479 | 6674 |
| Apprch % | 25.2 | 23.6 | 51.2 | | 8.8 | 87.2 | 4 | | 75.6 | 7.7 | 16.7 | | 6.2 | 55 | 38.8 | | |
| Total % | 2.2 | 2 | 4.4 | 8.6 | 3.4 | 33.7 | 1.5 | 38.7 | 11.8 | 1.2 | 2.6 | 15.6 | 2.3 | 20.4 | 14.4 | 37.1 | |

| | Antelope Road Southbound | | | | Newport Road Westbound | | | | Antelope Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | | | | | | | | |
| 07:15 AM | **52** | 21 | 33 | 106 | 28 | 306 | 14 | 348 | 100 | **12** | **36** | **148** | 17 | **197** | 99 | 313 | 915 |
| 07:30 AM | 38 | **28** | 42 | **108** | **36** | **364** | **35** | **435** | 86 | 10 | 34 | 130 | 15 | 188 | 171 | 374 | **1047** |
| 07:45 AM | 16 | 8 | 27 | 51 | 34 | 341 | 20 | 395 | **105** | 12 | 25 | 142 | **22** | 153 | **241** | **416** | 1004 |
| 08:00 AM | 4 | 13 | **46** | 63 | 30 | 233 | 9 | 272 | 84 | 6 | 23 | 113 | 14 | 158 | 133 | 305 | 753 |
| Total Volume | 110 | 70 | 148 | 328 | 128 | 1244 | 78 | 1450 | 375 | 40 | 118 | 533 | 68 | 696 | 644 | 1408 | 3719 |
| % App. Total | 33.5 | 21.3 | 45.1 | | 8.8 | 85.8 | 5.4 | | 70.4 | 7.5 | 22.1 | | 4.8 | 49.4 | 45.7 | | |
| PHF | .529 | .625 | .804 | .759 | .889 | .854 | .557 | .833 | .893 | .833 | .819 | .900 | .773 | .883 | .668 | .846 | .888 |

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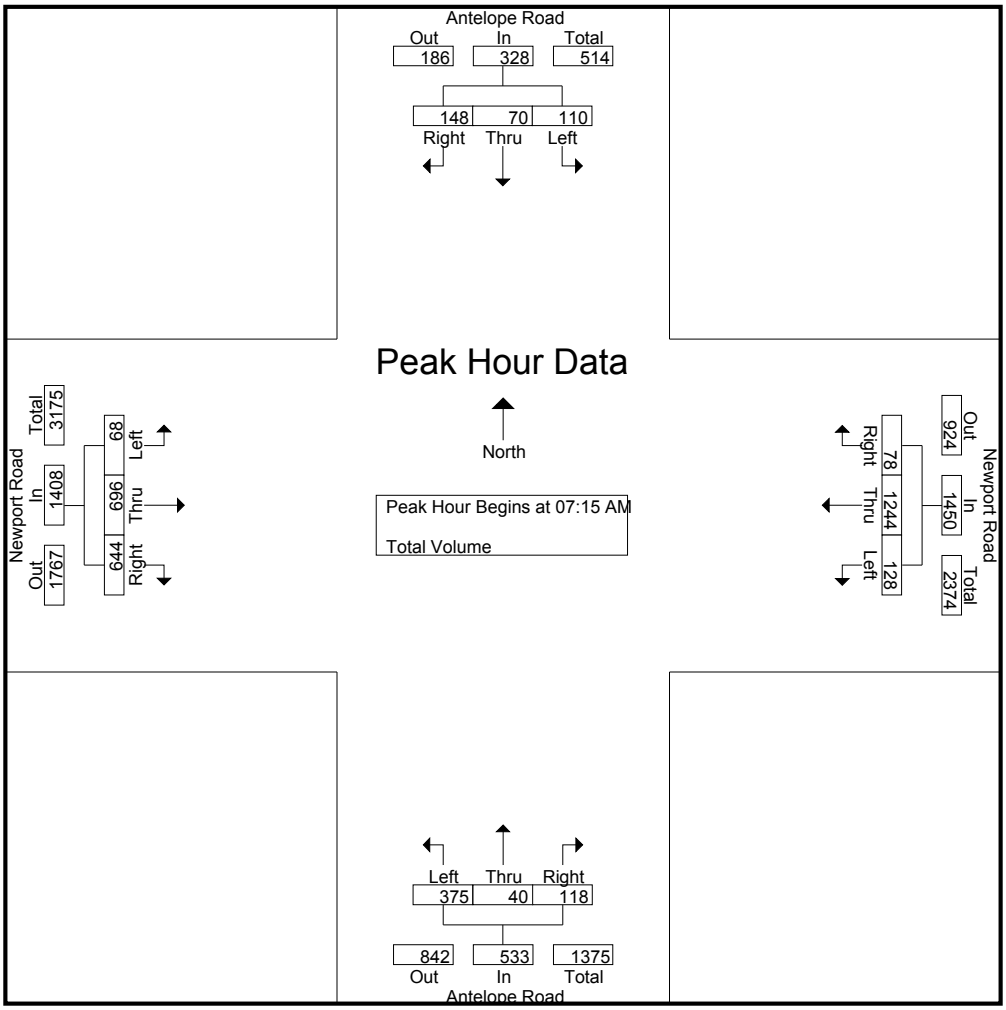
City of Menifee
N/S: Antelope Road
E/W: Newport Road
Weather: Clear

File Name : MENANNEAM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:00 AM | | | | 07:30 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **52** | 21 | 33 | 106 | 21 | 270 | 7 | 298 | 86 | 10 | **34** | 130 | 17 | **197** | 99 | 313 |
| +15 mins. | 38 | **28** | 42 | **108** | 28 | 306 | 14 | 348 | 105 | 12 | 25 | 142 | 15 | 188 | 171 | 374 |
| +30 mins. | 16 | 8 | 27 | 51 | **36** | **364** | **35** | **435** | 84 | 6 | 23 | 113 | **22** | 153 | **241** | **416** |
| +45 mins. | 4 | 13 | **46** | 63 | 34 | 341 | 20 | 395 | **123** | **15** | 20 | **158** | 14 | 158 | 133 | 305 |
| Total Volume | 110 | 70 | 148 | 328 | 119 | 1281 | 76 | 1476 | 398 | 43 | 102 | 543 | 68 | 696 | 644 | 1408 |
| % App. Total | 33.5 | 21.3 | 45.1 | | 8.1 | 86.8 | 5.1 | | 73.3 | 7.9 | 18.8 | | 4.8 | 49.4 | 45.7 | |
| PHF | .529 | .625 | .804 | .759 | .826 | .880 | .543 | .848 | .809 | .717 | .750 | .859 | .773 | .883 | .668 | .846 |

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City of Menifee
N/S: Antelope Road
E/W: Newport Road
Weather: Clear

File Name : MENANNEPM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Antelope Road Southbound | | | | Newport Road Westbound | | | | Antelope Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 2 | 20 | 23 | 45 | 28 | 196 | 9 | 233 | 124 | 19 | 45 | 188 | 49 | 277 | 88 | 414 | 880 |
| 04:15 PM | 3 | 22 | 25 | 50 | 31 | 232 | 6 | 269 | 109 | 22 | 39 | 170 | 55 | 267 | 104 | 426 | 915 |
| 04:30 PM | 6 | 21 | 34 | 61 | 43 | 217 | 9 | 269 | 129 | 26 | 44 | 199 | 29 | 257 | 120 | 406 | 935 |
| 04:45 PM | 3 | 11 | 22 | 36 | 30 | 181 | 5 | 216 | 155 | 21 | 57 | 233 | 61 | 272 | 155 | 488 | 973 |
| Total | 14 | 74 | 104 | 192 | 132 | 826 | 29 | 987 | 517 | 88 | 185 | 790 | 194 | 1073 | 467 | 1734 | 3703 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 3 | 17 | 33 | 53 | 22 | 209 | 4 | 235 | 143 | 21 | 50 | 214 | 59 | 261 | 182 | 502 | 1004 |
| 05:15 PM | 3 | 13 | 23 | 39 | 38 | 225 | 10 | 273 | 151 | 26 | 53 | 230 | 52 | 299 | 182 | 533 | 1075 |
| 05:30 PM | 9 | 20 | 30 | 59 | 39 | 221 | 12 | 272 | 114 | 33 | 47 | 194 | 49 | 258 | 144 | 451 | 976 |
| 05:45 PM | 1 | 16 | 17 | 34 | 25 | 172 | 4 | 201 | 126 | 24 | 55 | 205 | 37 | 271 | 188 | 496 | 936 |
| Total | 16 | 66 | 103 | 185 | 124 | 827 | 30 | 981 | 534 | 104 | 205 | 843 | 197 | 1089 | 696 | 1982 | 3991 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 30 | 140 | 207 | 377 | 256 | 1653 | 59 | 1968 | 1051 | 192 | 390 | 1633 | 391 | 2162 | 1163 | 3716 | 7694 |
| Apprch % | 8 | 37.1 | 54.9 | | 13 | 84 | 3 | | 64.4 | 11.8 | 23.9 | | 10.5 | 58.2 | 31.3 | | |
| Total % | 0.4 | 1.8 | 2.7 | 4.9 | 3.3 | 21.5 | 0.8 | 25.6 | 13.7 | 2.5 | 5.1 | 21.2 | 5.1 | 28.1 | 15.1 | 48.3 | |

| | Antelope Road Southbound | | | | Newport Road Westbound | | | | Antelope Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 3 | 11 | 22 | 36 | 30 | 181 | 5 | 216 | **155** | 21 | **57** | **233** | **61** | 272 | 155 | 488 | 973 |
| 05:00 PM | 3 | 17 | **33** | 53 | 22 | 209 | 4 | 235 | 143 | 21 | 50 | 214 | 59 | 261 | **182** | 502 | 1004 |
| 05:15 PM | 3 | 13 | 23 | 39 | 38 | **225** | 10 | **273** | 151 | 26 | 53 | 230 | 52 | **299** | 182 | **533** | **1075** |
| 05:30 PM | **9** | **20** | 30 | **59** | **39** | 221 | **12** | 272 | 114 | **33** | 47 | 194 | 49 | 258 | 144 | 451 | 976 |
| Total Volume | 18 | 61 | 108 | 187 | 129 | 836 | 31 | 996 | 563 | 101 | 207 | 871 | 221 | 1090 | 663 | 1974 | 4028 |
| % App. Total | 9.6 | 32.6 | 57.8 | | 13 | 83.9 | 3.1 | | 64.6 | 11.6 | 23.8 | | 11.2 | 55.2 | 33.6 | | |
| PHF | .500 | .763 | .818 | .792 | .827 | .929 | .646 | .912 | .908 | .765 | .908 | .935 | .906 | .911 | .911 | .926 | .937 |

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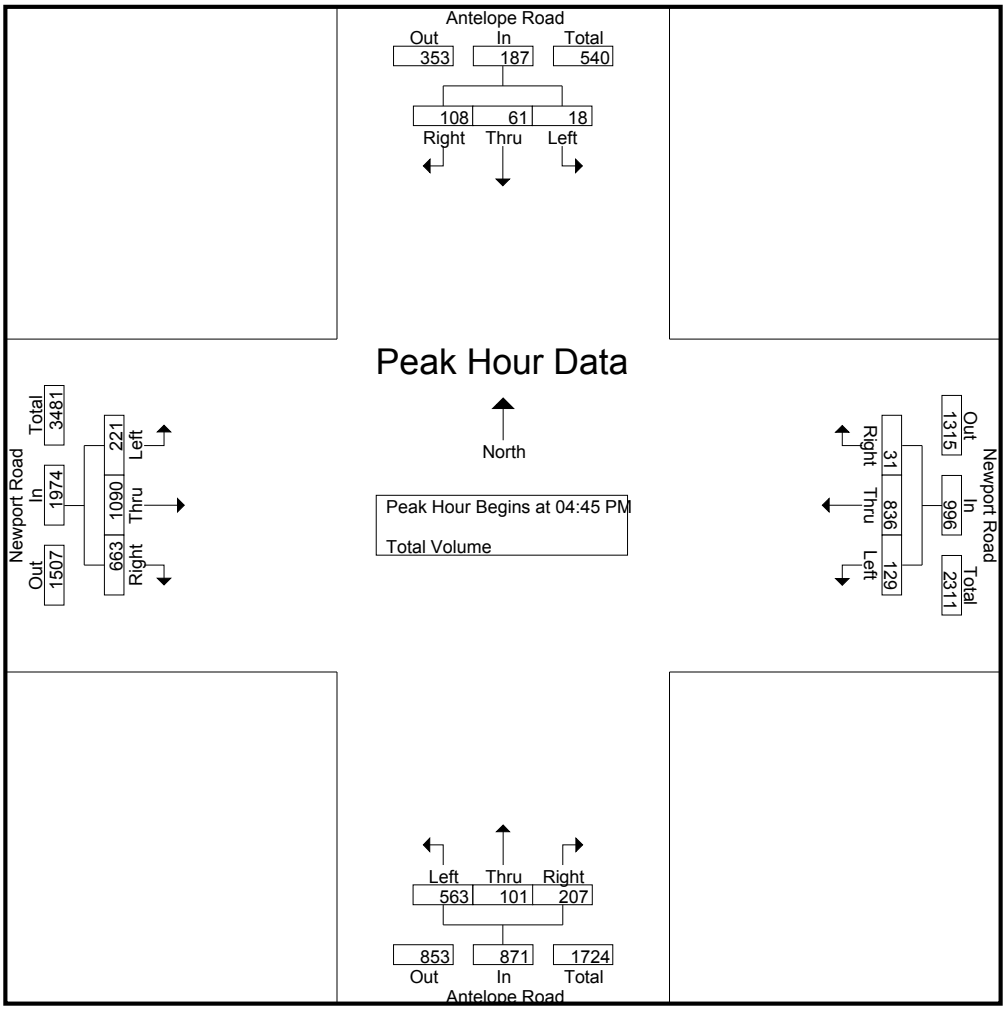
File Name : MENANNEPM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:45 PM | | | | 04:30 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 3 | **22** | 25 | 50 | 30 | 181 | 5 | 216 | 129 | **26** | 44 | 199 | **59** | 261 | 182 | 502 |
| +15 mins. | **6** | 21 | **34** | **61** | 22 | 209 | 4 | 235 | **155** | 21 | **57** | **233** | 52 | **299** | 182 | **533** |
| +30 mins. | 3 | 11 | 22 | 36 | 38 | **225** | 10 | **273** | 143 | 21 | 50 | 214 | 49 | 258 | 144 | 451 |
| +45 mins. | 3 | 17 | 33 | 53 | **39** | 221 | **12** | 272 | 151 | 26 | 53 | 230 | 37 | 271 | **188** | 496 |
| Total Volume | 15 | 71 | 114 | 200 | 129 | 836 | 31 | 996 | 578 | 94 | 204 | 876 | 197 | 1089 | 696 | 1982 |
| % App. Total | 7.5 | 35.5 | 57 | | 13 | 83.9 | 3.1 | | 66 | 10.7 | 23.3 | | 9.9 | 54.9 | 35.1 | |
| PHF | .625 | .807 | .838 | .820 | .827 | .929 | .646 | .912 | .932 | .904 | .895 | .940 | .835 | .911 | .926 | .930 |

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City of Menifee
N/S: Antelope Road
E/W: Scott Road
Weather: Clear

File Name : MENANSCAM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Antelope Road Southbound | | | | Scott Road Westbound | | | | Antelope Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 4 | 29 | 66 | 99 | 20 | 148 | 2 | 170 | 85 | 14 | 12 | 111 | 37 | 94 | 60 | 191 | 571 |
| 07:15 AM | 6 | 23 | 63 | 92 | 14 | 151 | 5 | 170 | 90 | 13 | 15 | 118 | 29 | 95 | 64 | 188 | 568 |
| 07:30 AM | 9 | 47 | 70 | 126 | 21 | 134 | 7 | 162 | 82 | 32 | 20 | 134 | 36 | 78 | 75 | 189 | 611 |
| 07:45 AM | 29 | 98 | 53 | 180 | 23 | 129 | 17 | 169 | 91 | 38 | 11 | 140 | 42 | 93 | 91 | 226 | 715 |
| Total | 48 | 197 | 252 | 497 | 78 | 562 | 31 | 671 | 348 | 97 | 58 | 503 | 144 | 360 | 290 | 794 | 2465 |
| 08:00 AM | 12 | 58 | 62 | 132 | 14 | 109 | 9 | 132 | 79 | 24 | 2 | 105 | 27 | 109 | 60 | 196 | 565 |
| 08:15 AM | 12 | 64 | 65 | 141 | 19 | 124 | 5 | 148 | 74 | 32 | 13 | 119 | 28 | 118 | 64 | 210 | 618 |
| 08:30 AM | 16 | 63 | 70 | 149 | 27 | 123 | 2 | 152 | 69 | 17 | 15 | 101 | 35 | 117 | 89 | 241 | 643 |
| 08:45 AM | 13 | 53 | 76 | 142 | 20 | 139 | 7 | 166 | 72 | 20 | 23 | 115 | 45 | 121 | 73 | 239 | 662 |
| Total | 53 | 238 | 273 | 564 | 80 | 495 | 23 | 598 | 294 | 93 | 53 | 440 | 135 | 465 | 286 | 886 | 2488 |
| Grand Total | 101 | 435 | 525 | 1061 | 158 | 1057 | 54 | 1269 | 642 | 190 | 111 | 943 | 279 | 825 | 576 | 1680 | 4953 |
| Apprch % | 9.5 | 41 | 49.5 | | 12.5 | 83.3 | 4.3 | | 68.1 | 20.1 | 11.8 | | 16.6 | 49.1 | 34.3 | | |
| Total % | 2 | 8.8 | 10.6 | 21.4 | 3.2 | 21.3 | 1.1 | 25.6 | 13 | 3.8 | 2.2 | 19 | 5.6 | 16.7 | 11.6 | 33.9 | |

| | Antelope Road Southbound | | | | Scott Road Westbound | | | | Antelope Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:45 AM | | | | | | | | | | | | | | | | | |
| 07:45 AM | **29** | **98** | 53 | **180** | 23 | **129** | **17** | **169** | **91** | **38** | 11 | **140** | **42** | 93 | **91** | 226 | **715** |
| 08:00 AM | 12 | 58 | 62 | 132 | 14 | 109 | 9 | 132 | 79 | 24 | 2 | 105 | 27 | 109 | 60 | 196 | 565 |
| 08:15 AM | 12 | 64 | 65 | 141 | 19 | 124 | 5 | 148 | 74 | 32 | 13 | 119 | 28 | **118** | 64 | 210 | 618 |
| 08:30 AM | 16 | 63 | **70** | 149 | **27** | 123 | 2 | 152 | 69 | 17 | **15** | 101 | 35 | 117 | 89 | **241** | 643 |
| Total Volume | 69 | 283 | 250 | 602 | 83 | 485 | 33 | 601 | 313 | 111 | 41 | 465 | 132 | 437 | 304 | 873 | 2541 |
| % App. Total | 11.5 | 47 | 41.5 | | 13.8 | 80.7 | 5.5 | | 67.3 | 23.9 | 8.8 | | 15.1 | 50.1 | 34.8 | | |
| PHF | .595 | .722 | .893 | .836 | .769 | .940 | .485 | .889 | .860 | .730 | .683 | .830 | .786 | .926 | .835 | .906 | .888 |

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City of Menifee
N/S: Antelope Road
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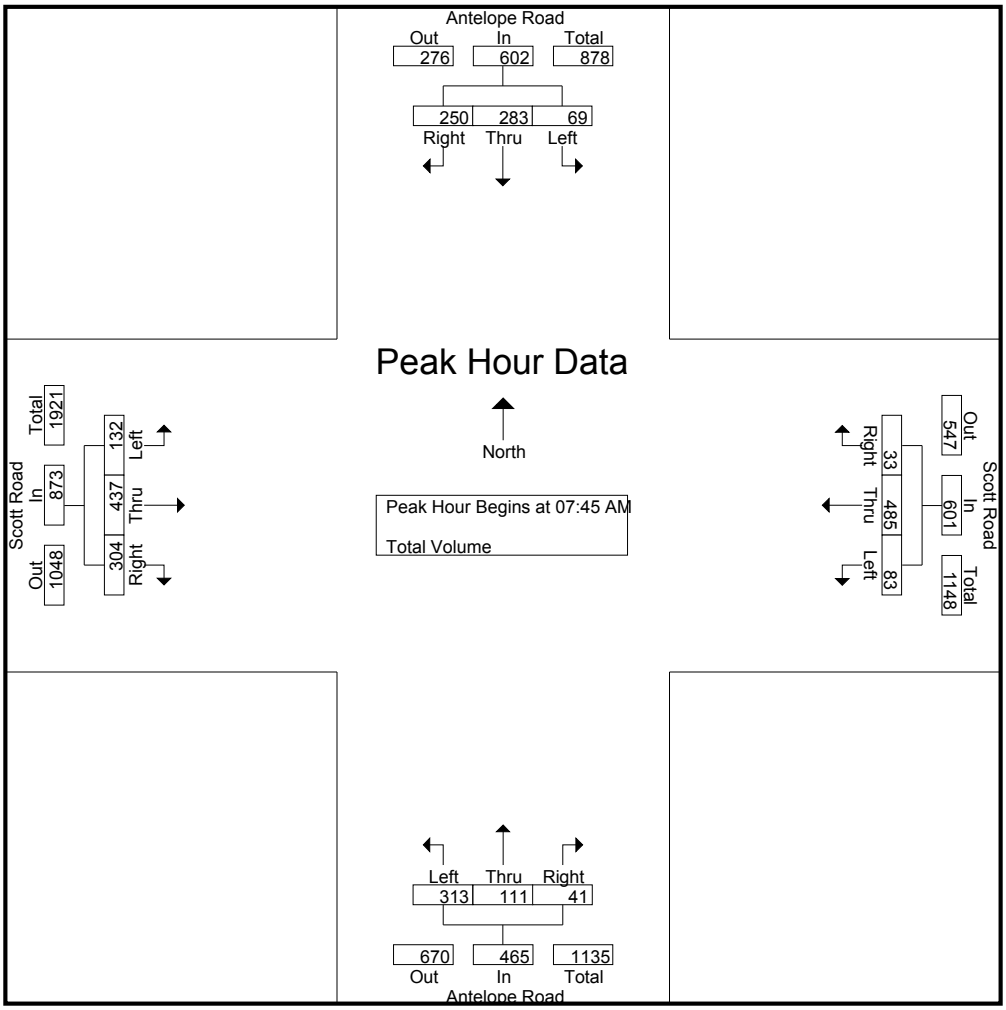
Weather: Clear

File Name : MENANSCAM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **29** | **98** | 53 | **180** | 20 | 148 | 2 | **170** | 85 | 14 | 12 | 111 | 27 | 109 | 60 | 196 |
| +15 mins. | 12 | 58 | 62 | 132 | 14 | **151** | 5 | 170 | 90 | 13 | 15 | 118 | 28 | 118 | 64 | 210 |
| +30 mins. | 12 | 64 | 65 | 141 | 21 | 134 | 7 | 162 | 82 | 32 | **20** | 134 | 35 | 117 | **89** | **241** |
| +45 mins. | 16 | 63 | **70** | 149 | **23** | 129 | **17** | 169 | **91** | **38** | 11 | **140** | **45** | **121** | 73 | 239 |
| Total Volume | 69 | 283 | 250 | 602 | 78 | 562 | 31 | 671 | 348 | 97 | 58 | 503 | 135 | 465 | 286 | 886 |
| % App. Total | 11.5 | 47 | 41.5 | | 11.6 | 83.8 | 4.6 | | 69.2 | 19.3 | 11.5 | | 15.2 | 52.5 | 32.3 | |
| PHF | .595 | .722 | .893 | .836 | .848 | .930 | .456 | .987 | .956 | .638 | .725 | .898 | .750 | .961 | .803 | .919 |

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City of Menifee
N/S: Antelope Road
E/W: Scott Road
Weather: Clear

File Name : MENANSCPM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

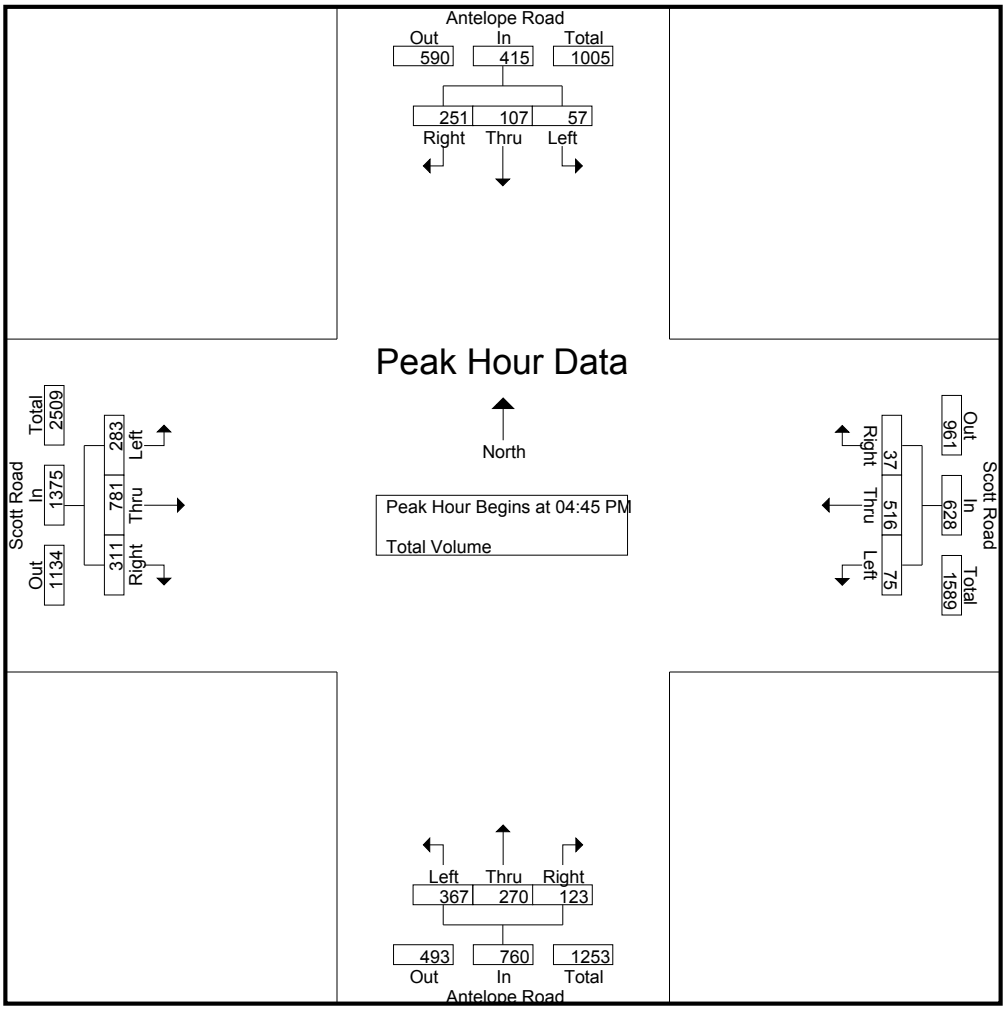
| | Antelope Road Southbound | | | | Scott Road Westbound | | | | Antelope Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 22 | 47 | 67 | 136 | 17 | 132 | 10 | 159 | 103 | 56 | 37 | 196 | 66 | 194 | 89 | 349 | 840 |
| 04:15 PM | 19 | 27 | 72 | 118 | 16 | 112 | 4 | 132 | 94 | 65 | 31 | 190 | 52 | 197 | 82 | 331 | 771 |
| 04:30 PM | 7 | 25 | 77 | 109 | 20 | 147 | 4 | 171 | 109 | 60 | 34 | 203 | 55 | 174 | 61 | 290 | 773 |
| 04:45 PM | 27 | 25 | 61 | 113 | 22 | 133 | 5 | 160 | 94 | 67 | 32 | 193 | 59 | 194 | 73 | 326 | 792 |
| Total | 75 | 124 | 277 | 476 | 75 | 524 | 23 | 622 | 400 | 248 | 134 | 782 | 232 | 759 | 305 | 1296 | 3176 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 7 | 28 | 64 | 99 | 15 | 124 | 10 | 149 | 99 | 65 | 37 | 201 | 66 | 178 | 87 | 331 | 780 |
| 05:15 PM | 11 | 27 | 53 | 91 | 18 | 133 | 7 | 158 | 100 | 84 | 29 | 213 | 70 | 201 | 69 | 340 | 802 |
| 05:30 PM | 12 | 27 | 73 | 112 | 20 | 126 | 15 | 161 | 74 | 54 | 25 | 153 | 88 | 208 | 82 | 378 | 804 |
| 05:45 PM | 20 | 24 | 53 | 97 | 24 | 115 | 8 | 147 | 71 | 58 | 42 | 171 | 74 | 189 | 98 | 361 | 776 |
| Total | 50 | 106 | 243 | 399 | 77 | 498 | 40 | 615 | 344 | 261 | 133 | 738 | 298 | 776 | 336 | 1410 | 3162 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 125 | 230 | 520 | 875 | 152 | 1022 | 63 | 1237 | 744 | 509 | 267 | 1520 | 530 | 1535 | 641 | 2706 | 6338 |
| Apprch % | 14.3 | 26.3 | 59.4 | | 12.3 | 82.6 | 5.1 | | 48.9 | 33.5 | 17.6 | | 19.6 | 56.7 | 23.7 | | |
| Total % | 2 | 3.6 | 8.2 | 13.8 | 2.4 | 16.1 | 1 | 19.5 | 11.7 | 8 | 4.2 | 24 | 8.4 | 24.2 | 10.1 | 42.7 | |

| | Antelope Road Southbound | | | | Scott Road Westbound | | | | Antelope Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | **27** | 25 | 61 | **113** | **22** | **133** | 5 | 160 | 94 | 67 | 32 | 193 | 59 | 194 | 73 | 326 | 792 |
| 05:00 PM | 7 | **28** | 64 | 99 | 15 | 124 | 10 | 149 | 99 | 65 | **37** | 201 | 66 | 178 | **87** | 331 | 780 |
| 05:15 PM | 11 | 27 | 53 | 91 | 18 | 133 | 7 | 158 | **100** | **84** | 29 | **213** | 70 | 201 | 69 | 340 | 802 |
| 05:30 PM | 12 | 27 | **73** | 112 | 20 | 126 | **15** | **161** | 74 | 54 | 25 | 153 | **88** | **208** | 82 | **378** | **804** |
| Total Volume | 57 | 107 | 251 | 415 | 75 | 516 | 37 | 628 | 367 | 270 | 123 | 760 | 283 | 781 | 311 | 1375 | 3178 |
| % App. Total | 13.7 | 25.8 | 60.5 | | 11.9 | 82.2 | 5.9 | | 48.3 | 35.5 | 16.2 | | 20.6 | 56.8 | 22.6 | | |
| PHF | .528 | .955 | .860 | .918 | .852 | .970 | .617 | .975 | .918 | .804 | .831 | .892 | .804 | .939 | .894 | .909 | .988 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Antelope Road
E/W: Scott Road
Weather: Clear

File Name : MENANSCPM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:30 PM | | | | 04:30 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 22 | **47** | 67 | **136** | 20 | **147** | 4 | **171** | **109** | 60 | 34 | 203 | 66 | 178 | 87 | 331 |
| +15 mins. | 19 | 27 | 72 | 118 | **22** | 133 | 5 | 160 | 94 | 67 | 32 | 193 | 70 | 201 | 69 | 340 |
| +30 mins. | 7 | 25 | **77** | 109 | 15 | 124 | **10** | 149 | 99 | 65 | **37** | 201 | **88** | **208** | 82 | **378** |
| +45 mins. | **27** | 25 | 61 | 113 | 18 | 133 | 7 | 158 | 100 | **84** | 29 | **213** | 74 | 189 | **98** | 361 |
| Total Volume | 75 | 124 | 277 | 476 | 75 | 537 | 26 | 638 | 402 | 276 | 132 | 810 | 298 | 776 | 336 | 1410 |
| % App. Total | 15.8 | 26.1 | 58.2 | | 11.8 | 84.2 | 4.1 | | 49.6 | 34.1 | 16.3 | | 21.1 | 55 | 23.8 | |
| PHF | .694 | .660 | .899 | .875 | .852 | .913 | .650 | .933 | .922 | .821 | .892 | .951 | .847 | .933 | .857 | .933 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74AM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

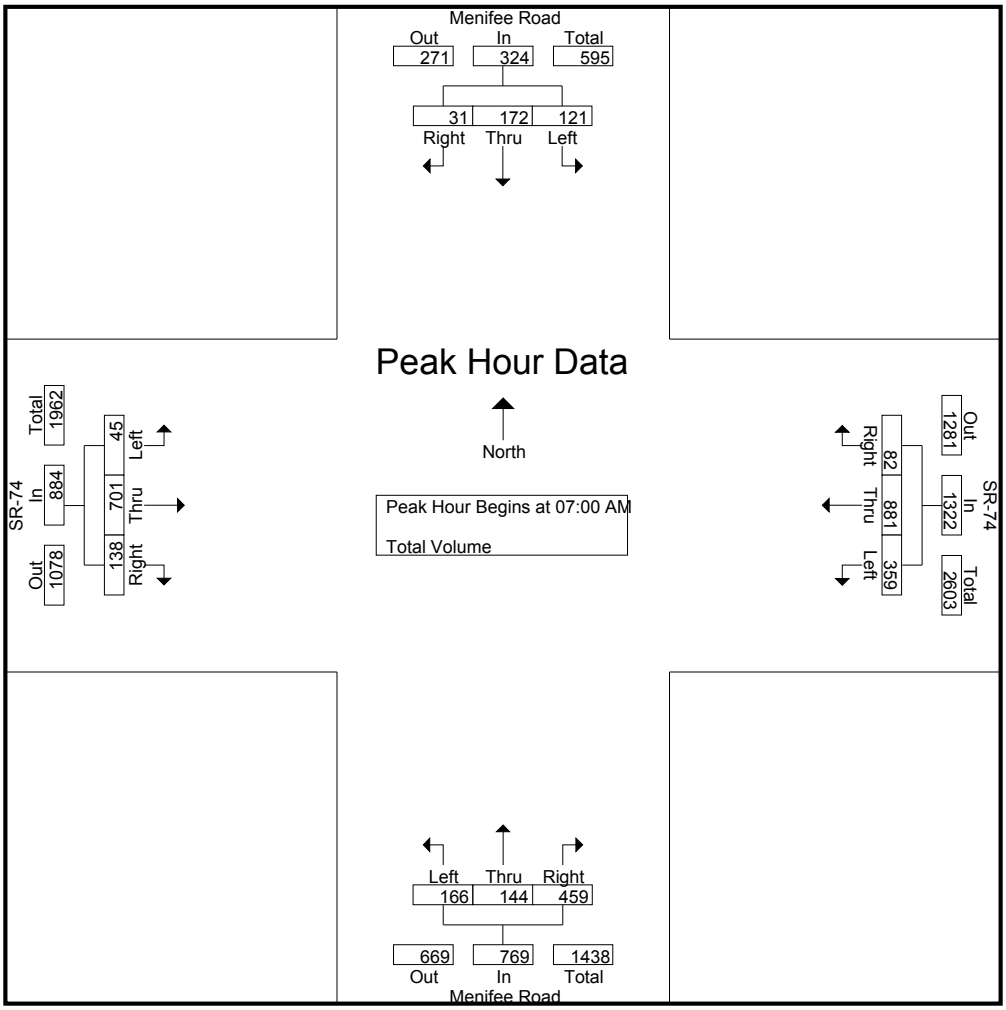
| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 27 | 52 | 7 | 86 | 96 | 202 | 10 | 308 | 42 | 37 | 117 | 196 | 11 | 142 | 42 | 195 | 785 |
| 07:15 AM | 29 | 33 | 6 | 68 | 81 | 246 | 24 | 351 | 54 | 37 | 159 | 250 | 16 | 192 | 30 | 238 | 907 |
| 07:30 AM | 38 | 31 | 6 | 75 | 91 | 206 | 26 | 323 | 31 | 40 | 123 | 194 | 9 | 219 | 23 | 251 | 843 |
| 07:45 AM | 27 | 56 | 12 | 95 | 91 | 227 | 22 | 340 | 39 | 30 | 60 | 129 | 9 | 148 | 43 | 200 | 764 |
| Total | 121 | 172 | 31 | 324 | 359 | 881 | 82 | 1322 | 166 | 144 | 459 | 769 | 45 | 701 | 138 | 884 | 3299 |
| 08:00 AM | 29 | 24 | 20 | 73 | 49 | 167 | 14 | 230 | 57 | 31 | 42 | 130 | 10 | 122 | 17 | 149 | 582 |
| 08:15 AM | 13 | 18 | 9 | 40 | 51 | 137 | 4 | 192 | 37 | 13 | 33 | 83 | 4 | 112 | 13 | 129 | 444 |
| 08:30 AM | 14 | 18 | 14 | 46 | 37 | 166 | 13 | 216 | 48 | 14 | 37 | 99 | 7 | 117 | 27 | 151 | 512 |
| 08:45 AM | 16 | 23 | 9 | 48 | 29 | 148 | 13 | 190 | 28 | 10 | 31 | 69 | 2 | 118 | 12 | 132 | 439 |
| Total | 72 | 83 | 52 | 207 | 166 | 618 | 44 | 828 | 170 | 68 | 143 | 381 | 23 | 469 | 69 | 561 | 1977 |
| Grand Total | 193 | 255 | 83 | 531 | 525 | 1499 | 126 | 2150 | 336 | 212 | 602 | 1150 | 68 | 1170 | 207 | 1445 | 5276 |
| Apprch % | 36.3 | 48 | 15.6 | | 24.4 | 69.7 | 5.9 | | 29.2 | 18.4 | 52.3 | | 4.7 | 81 | 14.3 | | |
| Total % | 3.7 | 4.8 | 1.6 | 10.1 | 10 | 28.4 | 2.4 | 40.8 | 6.4 | 4 | 11.4 | 21.8 | 1.3 | 22.2 | 3.9 | 27.4 | |

| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 27 | 52 | 7 | 86 | **96** | 202 | 10 | 308 | 42 | 37 | 117 | 196 | 11 | 142 | 42 | 195 | 785 |
| 07:15 AM | 29 | 33 | 6 | 68 | 81 | **246** | 24 | **351** | **54** | 37 | **159** | **250** | **16** | 192 | 30 | 238 | **907** |
| 07:30 AM | **38** | 31 | 6 | 75 | 91 | 206 | **26** | 323 | 31 | **40** | 123 | 194 | 9 | **219** | 23 | **251** | 843 |
| 07:45 AM | 27 | **56** | **12** | **95** | 91 | 227 | 22 | 340 | 39 | 30 | 60 | 129 | 9 | 148 | **43** | 200 | 764 |
| Total Volume | 121 | 172 | 31 | 324 | 359 | 881 | 82 | 1322 | 166 | 144 | 459 | 769 | 45 | 701 | 138 | 884 | 3299 |
| % App. Total | 37.3 | 53.1 | 9.6 | | 27.2 | 66.6 | 6.2 | | 21.6 | 18.7 | 59.7 | | 5.1 | 79.3 | 15.6 | | |
| PHF | .796 | .768 | .646 | .853 | .935 | .895 | .788 | .942 | .769 | .900 | .722 | .769 | .703 | .800 | .802 | .880 | .909 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74AM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 27 | 52 | 7 | 86 | **96** | 202 | 10 | 308 | 42 | 37 | 117 | 196 | 11 | 142 | 42 | 195 |
| +15 mins. | 29 | 33 | 6 | 68 | 81 | **246** | 24 | **351** | **54** | 37 | **159** | **250** | **16** | 192 | 30 | 238 |
| +30 mins. | **38** | 31 | 6 | 75 | 91 | 206 | **26** | 323 | 31 | **40** | 123 | 194 | 9 | **219** | 23 | **251** |
| +45 mins. | 27 | **56** | **12** | **95** | 91 | 227 | 22 | 340 | 39 | 30 | 60 | 129 | 9 | 148 | **43** | 200 |
| Total Volume | 121 | 172 | 31 | 324 | 359 | 881 | 82 | 1322 | 166 | 144 | 459 | 769 | 45 | 701 | 138 | 884 |
| % App. Total | 37.3 | 53.1 | 9.6 | | 27.2 | 66.6 | 6.2 | | 21.6 | 18.7 | 59.7 | | 5.1 | 79.3 | 15.6 | |
| PHF | .796 | .768 | .646 | .853 | .935 | .895 | .788 | .942 | .769 | .900 | .722 | .769 | .703 | .800 | .802 | .880 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74PM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

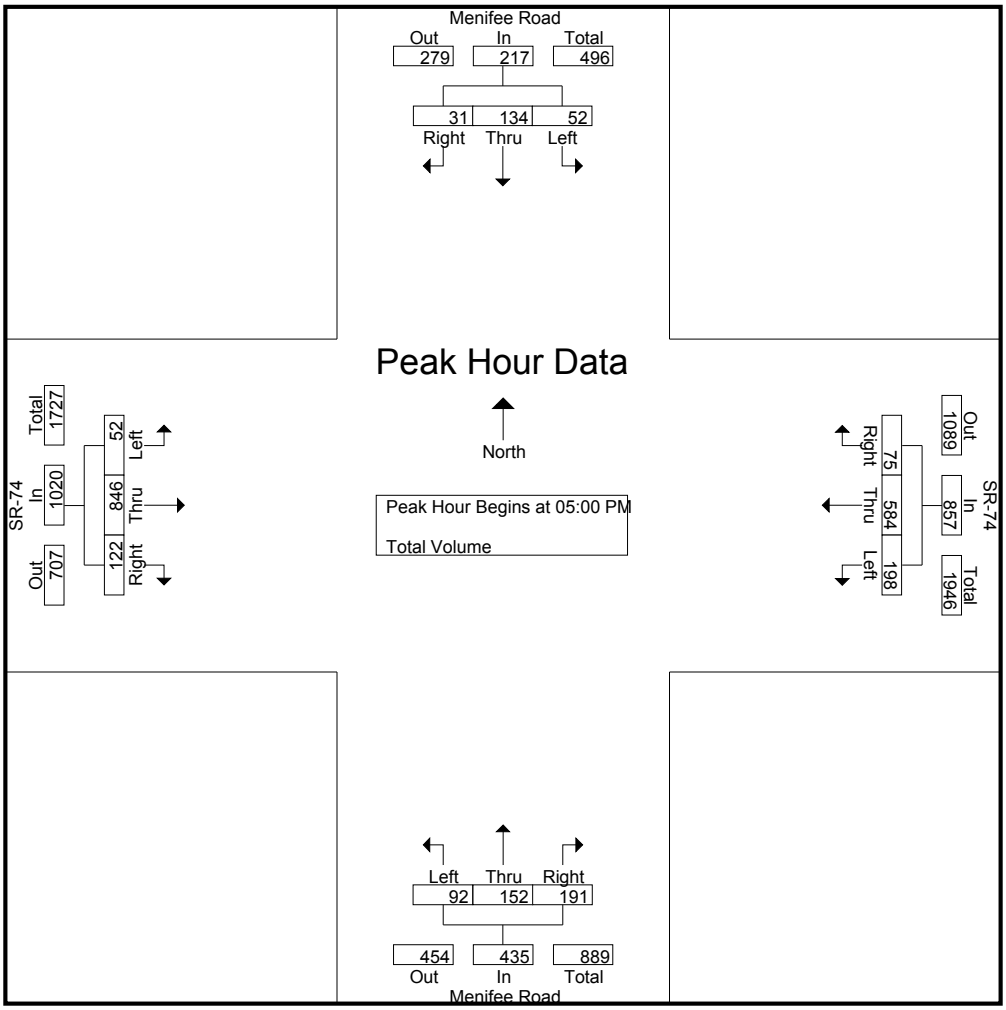
| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 16 | 40 | 10 | 66 | 44 | 134 | 18 | 196 | 28 | 37 | 51 | 116 | 12 | 205 | 45 | 262 | 640 |
| 04:15 PM | 21 | 33 | 8 | 62 | 44 | 135 | 12 | 191 | 29 | 21 | 35 | 85 | 10 | 249 | 41 | 300 | 638 |
| 04:30 PM | 18 | 31 | 10 | 59 | 34 | 134 | 15 | 183 | 22 | 24 | 47 | 93 | 5 | 223 | 34 | 262 | 597 |
| 04:45 PM | 26 | 25 | 9 | 60 | 52 | 160 | 19 | 231 | 15 | 27 | 37 | 79 | 13 | 200 | 28 | 241 | 611 |
| Total | 81 | 129 | 37 | 247 | 174 | 563 | 64 | 801 | 94 | 109 | 170 | 373 | 40 | 877 | 148 | 1065 | 2486 |
| 05:00 PM | 17 | 30 | 12 | 59 | 32 | 139 | 17 | 188 | 25 | 28 | 43 | 96 | 16 | 238 | 43 | 297 | 640 |
| 05:15 PM | 12 | 32 | 6 | 50 | 47 | 160 | 19 | 226 | 17 | 41 | 53 | 111 | 14 | 184 | 14 | 212 | 599 |
| 05:30 PM | 13 | 40 | 4 | 57 | 59 | 140 | 12 | 211 | 12 | 43 | 31 | 86 | 11 | 212 | 31 | 254 | 608 |
| 05:45 PM | 10 | 32 | 9 | 51 | 60 | 145 | 27 | 232 | 38 | 40 | 64 | 142 | 11 | 212 | 34 | 257 | 682 |
| Total | 52 | 134 | 31 | 217 | 198 | 584 | 75 | 857 | 92 | 152 | 191 | 435 | 52 | 846 | 122 | 1020 | 2529 |
| Grand Total | 133 | 263 | 68 | 464 | 372 | 1147 | 139 | 1658 | 186 | 261 | 361 | 808 | 92 | 1723 | 270 | 2085 | 5015 |
| Apprch % | 28.7 | 56.7 | 14.7 | | 22.4 | 69.2 | 8.4 | | 23 | 32.3 | 44.7 | | 4.4 | 82.6 | 12.9 | | |
| Total % | 2.7 | 5.2 | 1.4 | 9.3 | 7.4 | 22.9 | 2.8 | 33.1 | 3.7 | 5.2 | 7.2 | 16.1 | 1.8 | 34.4 | 5.4 | 41.6 | |

| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | **17** | 30 | **12** | **59** | 32 | 139 | 17 | 188 | 25 | 28 | 43 | 96 | **16** | **238** | **43** | **297** | 640 |
| 05:15 PM | 12 | 32 | 6 | 50 | 47 | **160** | 19 | 226 | 17 | 41 | 53 | 111 | 14 | 184 | 14 | 212 | 599 |
| 05:30 PM | 13 | **40** | 4 | 57 | 59 | 140 | 12 | 211 | 12 | **43** | 31 | 86 | 11 | 212 | 31 | 254 | 608 |
| 05:45 PM | 10 | 32 | 9 | 51 | **60** | 145 | **27** | **232** | **38** | 40 | **64** | **142** | 11 | 212 | 34 | 257 | **682** |
| Total Volume | 52 | 134 | 31 | 217 | 198 | 584 | 75 | 857 | 92 | 152 | 191 | 435 | 52 | 846 | 122 | 1020 | 2529 |
| % App. Total | 24 | 61.8 | 14.3 | | 23.1 | 68.1 | 8.8 | | 21.1 | 34.9 | 43.9 | | 5.1 | 82.9 | 12 | | |
| PHF | .765 | .838 | .646 | .919 | .825 | .913 | .694 | .923 | .605 | .884 | .746 | .766 | .813 | .889 | .709 | .859 | .927 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74PM
Site Code : 00000001
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 04:15 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 16 | **40** | **10** | **66** | 32 | 139 | 17 | 188 | 25 | 28 | 43 | 96 | 10 | **249** | 41 | **300** |
| +15 mins. | 21 | 33 | 8 | 62 | 47 | **160** | 19 | 226 | 17 | 41 | 53 | 111 | 5 | 223 | 34 | 262 |
| +30 mins. | 18 | 31 | 10 | 59 | 59 | 140 | 12 | 211 | 12 | **43** | 31 | 86 | 13 | 200 | 28 | 241 |
| +45 mins. | **26** | 25 | 9 | 60 | **60** | 145 | **27** | **232** | **38** | 40 | **64** | **142** | **16** | 238 | **43** | 297 |
| Total Volume | 81 | 129 | 37 | 247 | 198 | 584 | 75 | 857 | 92 | 152 | 191 | 435 | 44 | 910 | 146 | 1100 |
| % App. Total | 32.8 | 52.2 | 15 | | 23.1 | 68.1 | 8.8 | | 21.1 | 34.9 | 43.9 | | 4 | 82.7 | 13.3 | |
| PHF | .779 | .806 | .925 | .936 | .825 | .913 | .694 | .923 | .605 | .884 | .746 | .766 | .688 | .914 | .849 | .917 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74SAT
Site Code : 00000001
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

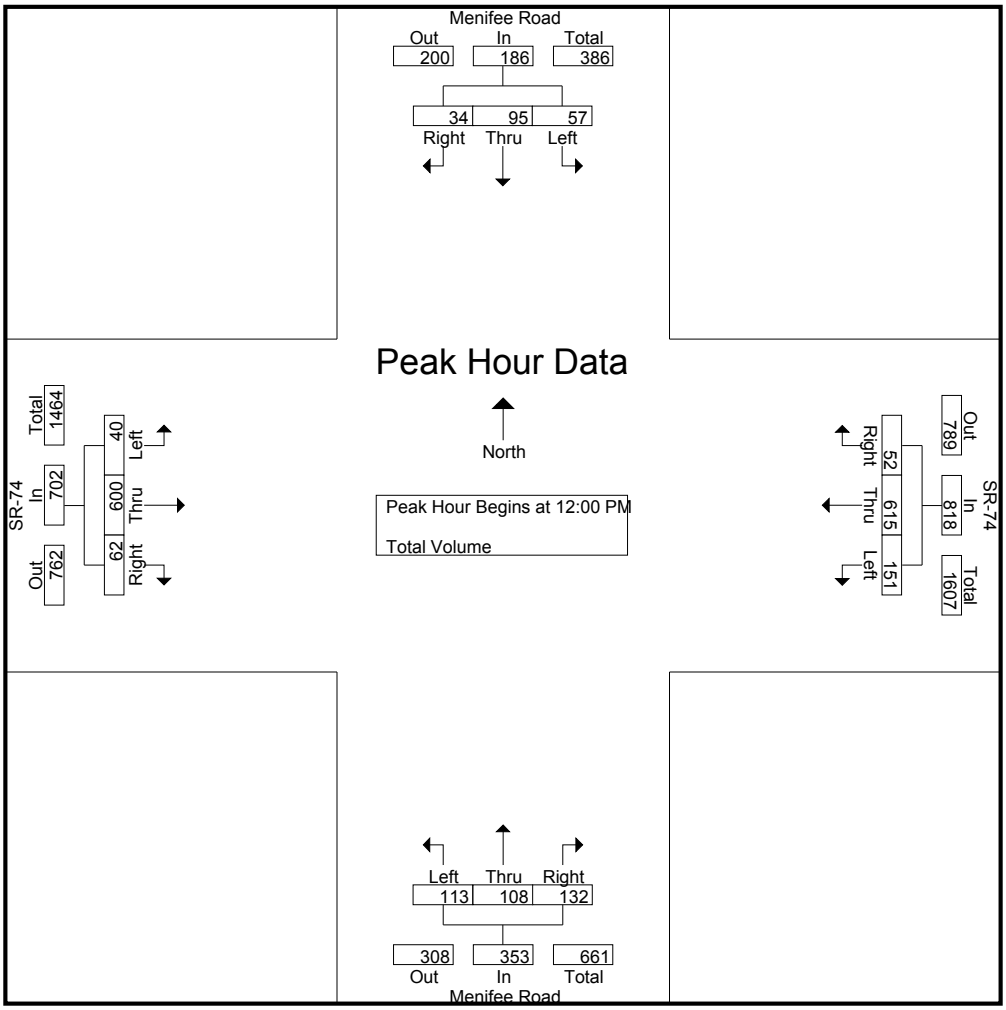
| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 12 | 32 | 10 | 54 | 48 | 177 | 12 | 237 | 27 | 36 | 38 | 101 | 9 | 140 | 14 | 163 | 555 |
| 12:15 PM | 23 | 16 | 13 | 52 | 30 | 149 | 15 | 194 | 31 | 23 | 34 | 88 | 8 | 178 | 9 | 195 | 529 |
| 12:30 PM | 13 | 28 | 4 | 45 | 46 | 141 | 15 | 202 | 27 | 23 | 29 | 79 | 9 | 151 | 20 | 180 | 506 |
| 12:45 PM | 9 | 19 | 7 | 35 | 27 | 148 | 10 | 185 | 28 | 26 | 31 | 85 | 14 | 131 | 19 | 164 | 469 |
| Total | 57 | 95 | 34 | 186 | 151 | 615 | 52 | 818 | 113 | 108 | 132 | 353 | 40 | 600 | 62 | 702 | 2059 |
| 01:00 PM | 13 | 26 | 14 | 53 | 29 | 102 | 13 | 144 | 21 | 20 | 33 | 74 | 13 | 122 | 12 | 147 | 418 |
| 01:15 PM | 6 | 18 | 10 | 34 | 29 | 147 | 16 | 192 | 16 | 11 | 23 | 50 | 9 | 170 | 21 | 200 | 476 |
| 01:30 PM | 17 | 31 | 6 | 54 | 33 | 148 | 13 | 194 | 26 | 20 | 29 | 75 | 11 | 145 | 13 | 169 | 492 |
| 01:45 PM | 14 | 18 | 9 | 41 | 25 | 129 | 18 | 172 | 19 | 24 | 34 | 77 | 14 | 154 | 20 | 188 | 478 |
| Total | 50 | 93 | 39 | 182 | 116 | 526 | 60 | 702 | 82 | 75 | 119 | 276 | 47 | 591 | 66 | 704 | 1864 |
| Grand Total | 107 | 188 | 73 | 368 | 267 | 1141 | 112 | 1520 | 195 | 183 | 251 | 629 | 87 | 1191 | 128 | 1406 | 3923 |
| Apprch % | 29.1 | 51.1 | 19.8 | | 17.6 | 75.1 | 7.4 | | 31 | 29.1 | 39.9 | | 6.2 | 84.7 | 9.1 | | |
| Total % | 2.7 | 4.8 | 1.9 | 9.4 | 6.8 | 29.1 | 2.9 | 38.7 | 5 | 4.7 | 6.4 | 16 | 2.2 | 30.4 | 3.3 | 35.8 | |

| | Menifee Road Southbound | | | | SR-74 Westbound | | | | Menifee Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 12 | **32** | 10 | **54** | **48** | **177** | 12 | **237** | 27 | **36** | **38** | **101** | 9 | 140 | 14 | 163 | **555** |
| 12:15 PM | **23** | 16 | **13** | 52 | 30 | 149 | **15** | 194 | **31** | 23 | 34 | 88 | 8 | **178** | 9 | **195** | 529 |
| 12:30 PM | 13 | 28 | 4 | 45 | 46 | 141 | 15 | 202 | 27 | 23 | 29 | 79 | 9 | 151 | **20** | 180 | 506 |
| 12:45 PM | 9 | 19 | 7 | 35 | 27 | 148 | 10 | 185 | 28 | 26 | 31 | 85 | **14** | 131 | 19 | 164 | 469 |
| Total Volume | 57 | 95 | 34 | 186 | 151 | 615 | 52 | 818 | 113 | 108 | 132 | 353 | 40 | 600 | 62 | 702 | 2059 |
| % App. Total | 30.6 | 51.1 | 18.3 | | 18.5 | 75.2 | 6.4 | | 32 | 30.6 | 37.4 | | 5.7 | 85.5 | 8.8 | | |
| PHF | .620 | .742 | .654 | .861 | .786 | .869 | .867 | .863 | .911 | .750 | .868 | .874 | .714 | .843 | .775 | .900 | .927 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: SR-74
Weather: Clear

File Name : MENME74SAT
Site Code : 00000001
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 01:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 12 | **32** | 10 | **54** | **48** | **177** | 12 | **237** | 27 | **36** | **38** | **101** | 13 | 122 | 12 | 147 |
| +15 mins. | **23** | 16 | **13** | 52 | 30 | 149 | **15** | 194 | **31** | 23 | 34 | 88 | 9 | **170** | **21** | **200** |
| +30 mins. | 13 | 28 | 4 | 45 | 46 | 141 | 15 | 202 | 27 | 23 | 29 | 79 | 11 | 145 | 13 | 169 |
| +45 mins. | 9 | 19 | 7 | 35 | 27 | 148 | 10 | 185 | 28 | 26 | 31 | 85 | **14** | 154 | 20 | 188 |
| Total Volume | 57 | 95 | 34 | 186 | 151 | 615 | 52 | 818 | 113 | 108 | 132 | 353 | 47 | 591 | 66 | 704 |
| % App. Total | 30.6 | 51.1 | 18.3 | | 18.5 | 75.2 | 6.4 | | 32 | 30.6 | 37.4 | | 6.7 | 83.9 | 9.4 | |
| PHF | .620 | .742 | .654 | .861 | .786 | .869 | .867 | .863 | .911 | .750 | .868 | .874 | .839 | .869 | .786 | .880 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCAM
Site Code : 00000022
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

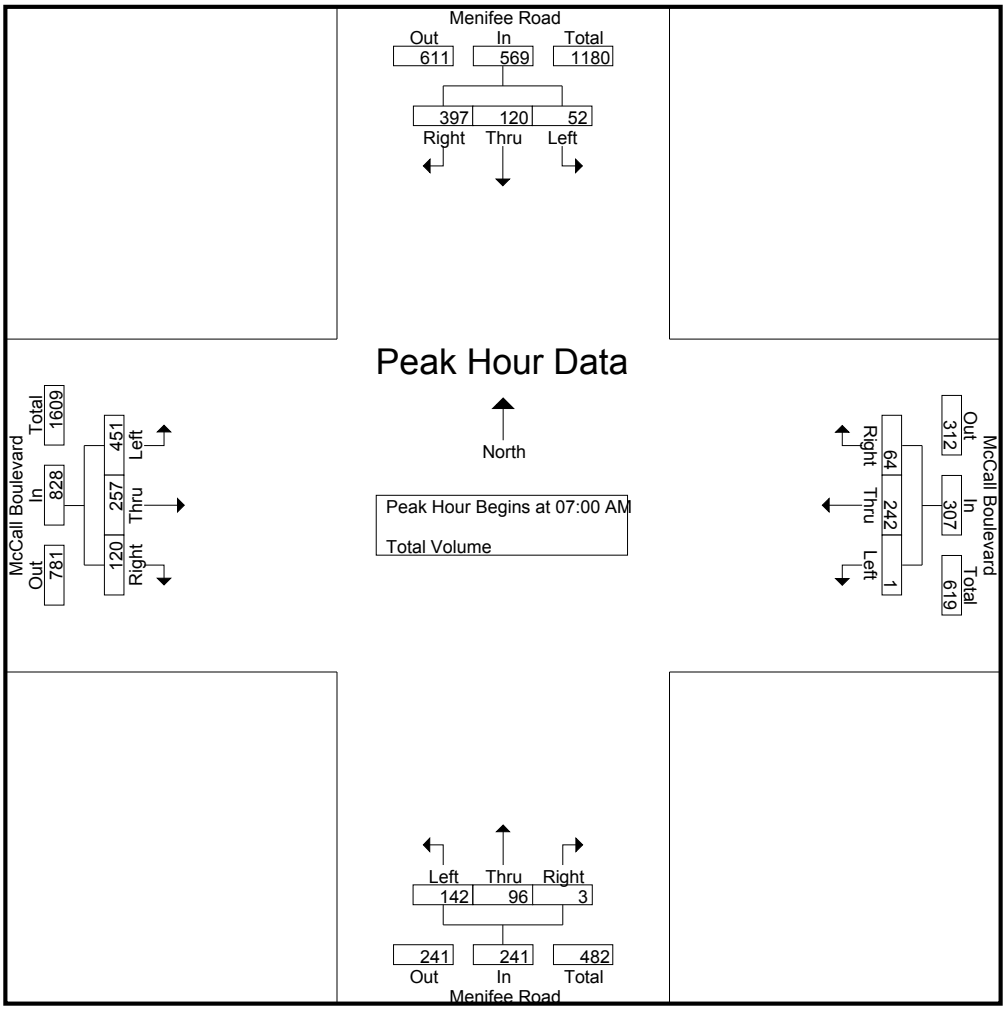
| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 3 | 15 | 148 | 166 | 1 | 55 | 34 | 90 | 27 | 27 | 1 | 55 | 135 | 44 | 20 | 199 | 510 |
| 07:15 AM | 11 | 48 | 95 | 154 | 0 | 56 | 13 | 69 | 29 | 33 | 1 | 63 | 174 | 88 | 48 | 310 | 596 |
| 07:30 AM | 16 | 30 | 67 | 113 | 0 | 65 | 13 | 78 | 40 | 17 | 1 | 58 | 84 | 64 | 32 | 180 | 429 |
| 07:45 AM | 22 | 27 | 87 | 136 | 0 | 66 | 4 | 70 | 46 | 19 | 0 | 65 | 58 | 61 | 20 | 139 | 410 |
| Total | 52 | 120 | 397 | 569 | 1 | 242 | 64 | 307 | 142 | 96 | 3 | 241 | 451 | 257 | 120 | 828 | 1945 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 10 | 17 | 81 | 108 | 0 | 66 | 13 | 79 | 30 | 12 | 1 | 43 | 23 | 21 | 15 | 59 | 289 |
| 08:15 AM | 3 | 11 | 45 | 59 | 0 | 36 | 7 | 43 | 36 | 14 | 0 | 50 | 26 | 13 | 28 | 67 | 219 |
| 08:30 AM | 6 | 15 | 49 | 70 | 0 | 38 | 7 | 45 | 32 | 14 | 0 | 46 | 33 | 16 | 25 | 74 | 235 |
| 08:45 AM | 3 | 19 | 43 | 65 | 0 | 28 | 8 | 36 | 17 | 13 | 0 | 30 | 33 | 16 | 18 | 67 | 198 |
| Total | 22 | 62 | 218 | 302 | 0 | 168 | 35 | 203 | 115 | 53 | 1 | 169 | 115 | 66 | 86 | 267 | 941 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 74 | 182 | 615 | 871 | 1 | 410 | 99 | 510 | 257 | 149 | 4 | 410 | 566 | 323 | 206 | 1095 | 2886 |
| Apprch % | 8.5 | 20.9 | 70.6 | | 0.2 | 80.4 | 19.4 | | 62.7 | 36.3 | 1 | | 51.7 | 29.5 | 18.8 | | |
| Total % | 2.6 | 6.3 | 21.3 | 30.2 | 0 | 14.2 | 3.4 | 17.7 | 8.9 | 5.2 | 0.1 | 14.2 | 19.6 | 11.2 | 7.1 | 37.9 | |

| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 3 | 15 | **148** | **166** | **1** | 55 | **34** | **90** | 27 | 27 | **1** | 55 | 135 | 44 | 20 | 199 | 510 |
| 07:15 AM | 11 | **48** | 95 | 154 | 0 | 56 | 13 | 69 | 29 | **33** | 1 | 63 | **174** | **88** | **48** | **310** | **596** |
| 07:30 AM | 16 | 30 | 67 | 113 | 0 | 65 | 13 | 78 | 40 | 17 | 1 | 58 | 84 | 64 | 32 | 180 | 429 |
| 07:45 AM | **22** | 27 | 87 | 136 | 0 | **66** | 4 | 70 | **46** | 19 | 0 | **65** | 58 | 61 | 20 | 139 | 410 |
| Total Volume | 52 | 120 | 397 | 569 | 1 | 242 | 64 | 307 | 142 | 96 | 3 | 241 | 451 | 257 | 120 | 828 | 1945 |
| % App. Total | 9.1 | 21.1 | 69.8 | | 0.3 | 78.8 | 20.8 | | 58.9 | 39.8 | 1.2 | | 54.5 | 31 | 14.5 | | |
| PHF | .591 | .625 | .671 | .857 | .250 | .917 | .471 | .853 | .772 | .727 | .750 | .927 | .648 | .730 | .625 | .668 | .816 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCAM
Site Code : 00000022
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 3 | 15 | **148** | **166** | **1** | 55 | **34** | **90** | 27 | 27 | **1** | 55 | 135 | 44 | 20 | 199 |
| +15 mins. | 11 | **48** | 95 | 154 | 0 | 56 | 13 | 69 | 29 | **33** | 1 | 63 | **174** | **88** | **48** | **310** |
| +30 mins. | 16 | 30 | 67 | 113 | 0 | 65 | 13 | 78 | 40 | 17 | 1 | 58 | 84 | 64 | 32 | 180 |
| +45 mins. | **22** | 27 | 87 | 136 | 0 | **66** | 4 | 70 | **46** | 19 | 0 | **65** | 58 | 61 | 20 | 139 |
| Total Volume | 52 | 120 | 397 | 569 | 1 | 242 | 64 | 307 | 142 | 96 | 3 | 241 | 451 | 257 | 120 | 828 |
| % App. Total | 9.1 | 21.1 | 69.8 | | 0.3 | 78.8 | 20.8 | | 58.9 | 39.8 | 1.2 | | 54.5 | 31 | 14.5 | |
| PHF | .591 | .625 | .671 | .857 | .250 | .917 | .471 | .853 | .772 | .727 | .750 | .927 | .648 | .730 | .625 | .668 |

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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCPM
Site Code : 00000022
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 11 | 26 | 59 | 96 | 0 | 23 | 8 | 31 | 40 | 16 | 0 | 56 | 84 | 32 | 32 | 148 | 331 |
| 04:15 PM | 14 | 19 | 72 | 105 | 0 | 15 | 3 | 18 | 23 | 24 | 1 | 48 | 51 | 42 | 35 | 128 | 299 |
| 04:30 PM | 11 | 34 | 65 | 110 | 0 | 25 | 7 | 32 | 28 | 21 | 0 | 49 | 76 | 32 | 36 | 144 | 335 |
| 04:45 PM | 12 | 27 | 51 | 90 | 0 | 21 | 4 | 25 | 27 | 22 | 0 | 49 | 78 | 33 | 38 | 149 | 313 |
| Total | 48 | 106 | 247 | 401 | 0 | 84 | 22 | 106 | 118 | 83 | 1 | 202 | 289 | 139 | 141 | 569 | 1278 |
| 05:00 PM | 6 | 34 | 59 | 99 | 1 | 23 | 6 | 30 | 20 | 26 | 0 | 46 | 71 | 41 | 37 | 149 | 324 |
| 05:15 PM | 6 | 27 | 63 | 96 | 0 | 20 | 8 | 28 | 19 | 28 | 1 | 48 | 69 | 41 | 44 | 154 | 326 |
| 05:30 PM | 7 | 20 | 42 | 69 | 0 | 28 | 3 | 31 | 26 | 13 | 1 | 40 | 64 | 46 | 38 | 148 | 288 |
| 05:45 PM | 11 | 24 | 51 | 86 | 0 | 14 | 3 | 17 | 21 | 17 | 0 | 38 | 49 | 39 | 31 | 119 | 260 |
| Total | 30 | 105 | 215 | 350 | 1 | 85 | 20 | 106 | 86 | 84 | 2 | 172 | 253 | 167 | 150 | 570 | 1198 |
| Grand Total | 78 | 211 | 462 | 751 | 1 | 169 | 42 | 212 | 204 | 167 | 3 | 374 | 542 | 306 | 291 | 1139 | 2476 |
| Apprch % | 10.4 | 28.1 | 61.5 | | 0.5 | 79.7 | 19.8 | | 54.5 | 44.7 | 0.8 | | 47.6 | 26.9 | 25.5 | | |
| Total % | 3.2 | 8.5 | 18.7 | 30.3 | 0 | 6.8 | 1.7 | 8.6 | 8.2 | 6.7 | 0.1 | 15.1 | 21.9 | 12.4 | 11.8 | 46 | |

| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | 11 | **34** | **65** | **110** | 0 | **25** | 7 | **32** | **28** | 21 | 0 | **49** | 76 | 32 | 36 | 144 | **335** |
| 04:45 PM | **12** | 27 | 51 | 90 | 0 | 21 | 4 | 25 | 27 | 22 | 0 | 49 | **78** | 33 | 38 | 149 | 313 |
| 05:00 PM | 6 | 34 | 59 | 99 | **1** | 23 | 6 | 30 | 20 | 26 | 0 | 46 | 71 | **41** | 37 | 149 | 324 |
| 05:15 PM | 6 | 27 | 63 | 96 | 0 | 20 | **8** | 28 | 19 | **28** | **1** | 48 | 69 | 41 | **44** | **154** | 326 |
| Total Volume | 35 | 122 | 238 | 395 | 1 | 89 | 25 | 115 | 94 | 97 | 1 | 192 | 294 | 147 | 155 | 596 | 1298 |
| % App. Total | 8.9 | 30.9 | 60.3 | | 0.9 | 77.4 | 21.7 | | 49 | 50.5 | 0.5 | | 49.3 | 24.7 | 26 | | |
| PHF | .729 | .897 | .915 | .898 | .250 | .890 | .781 | .898 | .839 | .866 | .250 | .980 | .942 | .896 | .881 | .968 | .969 |

Counts Unlimited, Inc.
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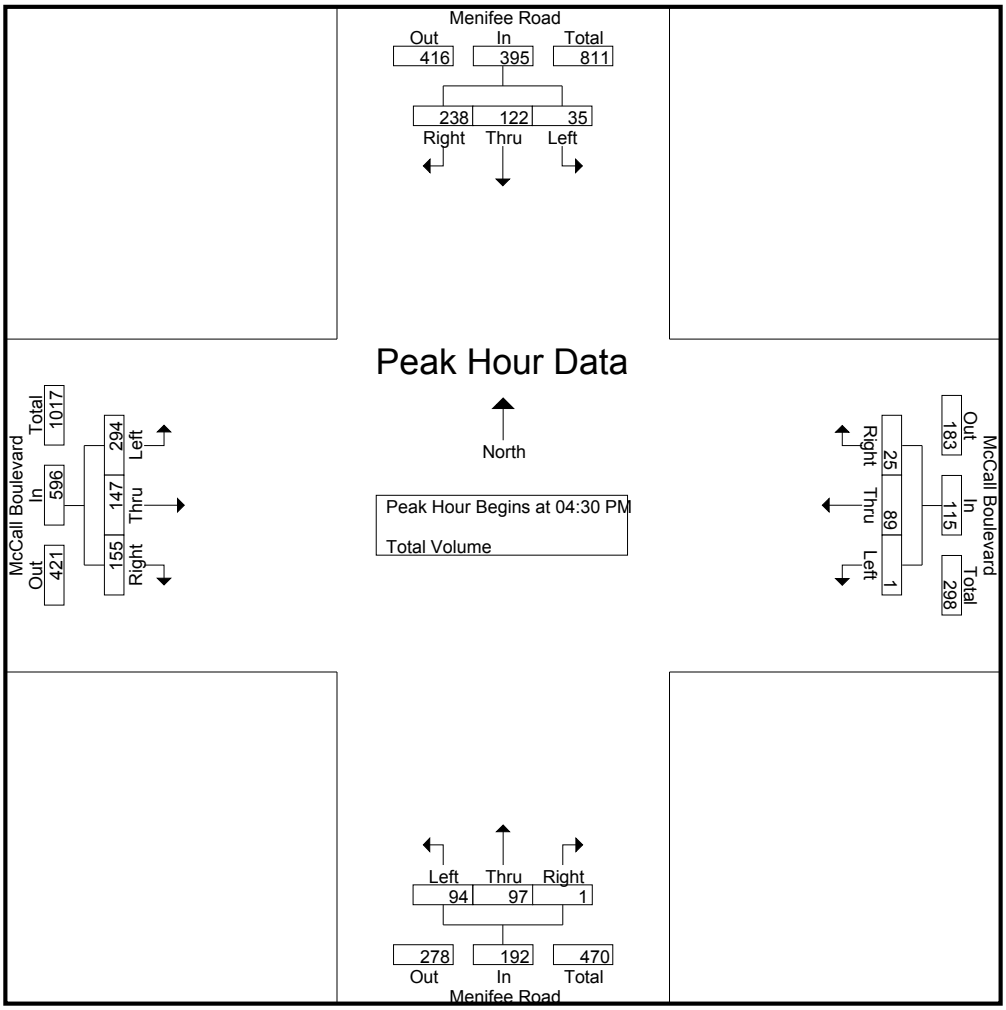
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCPM
Site Code : 00000022
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:15 PM | | | | 04:30 PM | | | | 04:00 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **14** | 19 | **72** | 105 | 0 | **25** | 7 | **32** | **40** | 16 | 0 | **56** | **78** | 33 | 38 | 149 |
| +15 mins. | 11 | **34** | 65 | **110** | 0 | 21 | 4 | 25 | 23 | **24** | **1** | 48 | 71 | 41 | 37 | 149 |
| +30 mins. | 12 | 27 | 51 | 90 | **1** | 23 | 6 | 30 | 28 | 21 | 0 | 49 | 69 | 41 | **44** | **154** |
| +45 mins. | 6 | 34 | 59 | 99 | 0 | 20 | **8** | 28 | 27 | 22 | 0 | 49 | 64 | **46** | 38 | 148 |
| Total Volume | 43 | 114 | 247 | 404 | 1 | 89 | 25 | 115 | 118 | 83 | 1 | 202 | 282 | 161 | 157 | 600 |
| % App. Total | 10.6 | 28.2 | 61.1 | | 0.9 | 77.4 | 21.7 | | 58.4 | 41.1 | 0.5 | | 47 | 26.8 | 26.2 | |
| PHF | .768 | .838 | .858 | .918 | .250 | .890 | .781 | .898 | .738 | .865 | .250 | .902 | .904 | .875 | .892 | .974 |

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PO Box 1178
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(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCSAT
Site Code : 00000022
Start Date : 6/2/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 12:00 PM | 5 | 9 | 55 | 69 | 0 | 30 | 5 | 35 | 32 | 27 | 3 | 62 | 58 | 26 | 19 | 103 | 269 |
| 12:15 PM | 3 | 17 | 49 | 69 | 1 | 37 | 5 | 43 | 36 | 18 | 2 | 56 | 77 | 22 | 26 | 125 | 293 |
| 12:30 PM | 5 | 23 | 58 | 86 | 1 | 37 | 6 | 44 | 50 | 15 | 1 | 66 | 49 | 25 | 29 | 103 | 299 |
| 12:45 PM | 3 | 14 | 63 | 80 | 1 | 33 | 6 | 40 | 30 | 15 | 0 | 45 | 52 | 27 | 27 | 106 | 271 |
| Total | 16 | 63 | 225 | 304 | 3 | 137 | 22 | 162 | 148 | 75 | 6 | 229 | 236 | 100 | 101 | 437 | 1132 |
| | | | | | | | | | | | | | | | | | |
| 01:00 PM | 5 | 18 | 46 | 69 | 1 | 22 | 9 | 32 | 26 | 17 | 1 | 44 | 37 | 36 | 39 | 112 | 257 |
| 01:15 PM | 8 | 15 | 39 | 62 | 1 | 34 | 8 | 43 | 28 | 18 | 1 | 47 | 53 | 30 | 49 | 132 | 284 |
| 01:30 PM | 8 | 15 | 38 | 61 | 3 | 32 | 10 | 45 | 19 | 13 | 0 | 32 | 34 | 31 | 33 | 98 | 236 |
| 01:45 PM | 7 | 16 | 48 | 71 | 2 | 31 | 5 | 38 | 15 | 12 | 0 | 27 | 57 | 32 | 20 | 109 | 245 |
| Total | 28 | 64 | 171 | 263 | 7 | 119 | 32 | 158 | 88 | 60 | 2 | 150 | 181 | 129 | 141 | 451 | 1022 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 44 | 127 | 396 | 567 | 10 | 256 | 54 | 320 | 236 | 135 | 8 | 379 | 417 | 229 | 242 | 888 | 2154 |
| Apprch % | 7.8 | 22.4 | 69.8 | | 3.1 | 80 | 16.9 | | 62.3 | 35.6 | 2.1 | | 47 | 25.8 | 27.3 | | |
| Total % | 2 | 5.9 | 18.4 | 26.3 | 0.5 | 11.9 | 2.5 | 14.9 | 11 | 6.3 | 0.4 | 17.6 | 19.4 | 10.6 | 11.2 | 41.2 | |

| | Menifee Road Southbound | | | | McCall Boulevard Westbound | | | | Menifee Road Northbound | | | | McCall Boulevard Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | **5** | 9 | 55 | 69 | 0 | 30 | 5 | 35 | 32 | **27** | **3** | 62 | 58 | 26 | 19 | 103 | 269 |
| 12:15 PM | 3 | 17 | 49 | 69 | **1** | **37** | 5 | 43 | 36 | 18 | 2 | 56 | **77** | 22 | 26 | **125** | 293 |
| 12:30 PM | 5 | **23** | 58 | **86** | 1 | 37 | **6** | **44** | **50** | 15 | 1 | **66** | 49 | 25 | **29** | 103 | **299** |
| 12:45 PM | 3 | 14 | **63** | 80 | 1 | 33 | 6 | 40 | 30 | 15 | 0 | 45 | 52 | **27** | 27 | 106 | 271 |
| Total Volume | 16 | 63 | 225 | 304 | 3 | 137 | 22 | 162 | 148 | 75 | 6 | 229 | 236 | 100 | 101 | 437 | 1132 |
| % App. Total | 5.3 | 20.7 | 74 | | 1.9 | 84.6 | 13.6 | | 64.6 | 32.8 | 2.6 | | 54 | 22.9 | 23.1 | | |
| PHF | .800 | .685 | .893 | .884 | .750 | .926 | .917 | .920 | .740 | .694 | .500 | .867 | .766 | .926 | .871 | .874 | .946 |

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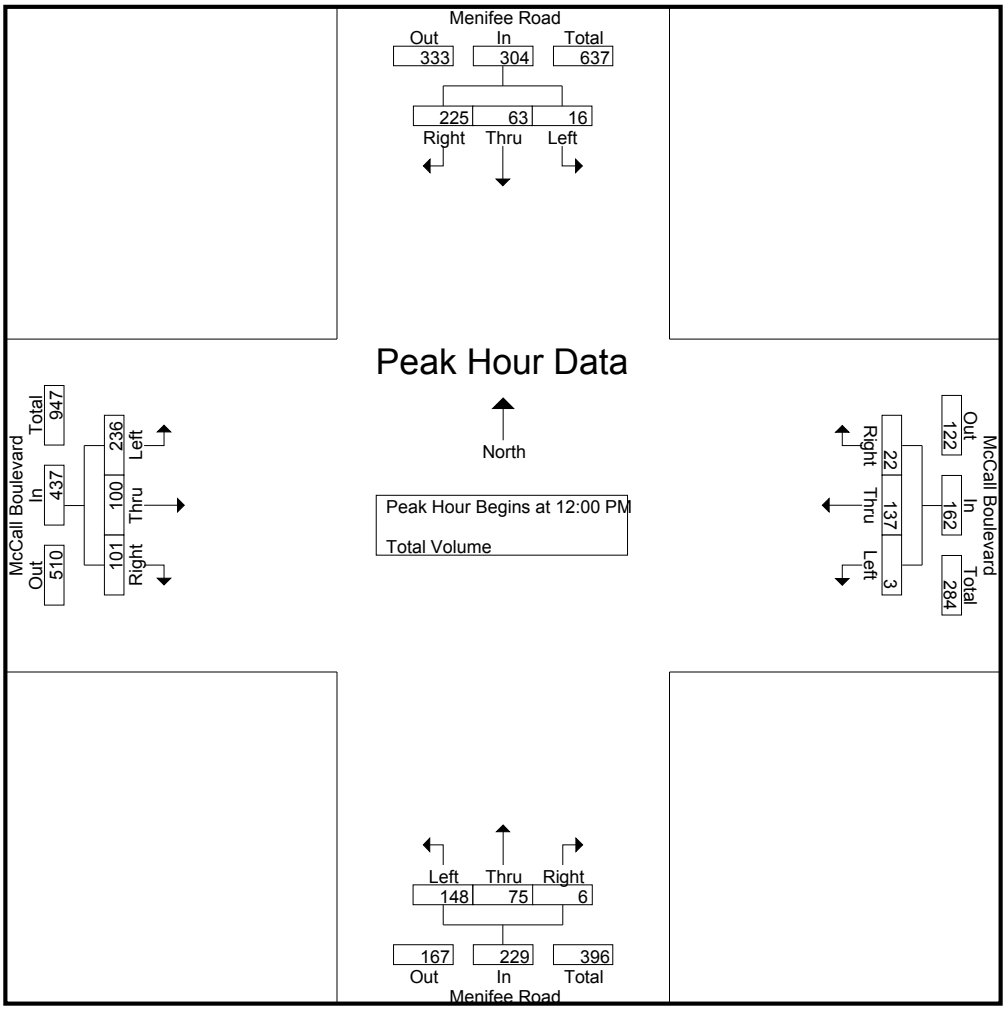
City of Menifee
N/S: Menifee Road
E/W: McCall Boulevard
Weather: Sunny

File Name : MENMEMCSAT
Site Code : 00000022
Start Date : 6/2/2012
Page No : 2




Peak Hour Analysis From 12:00 PM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 12:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **5** | 9 | 55 | 69 | 0 | 30 | 5 | 35 | 32 | **27** | **3** | 62 | 49 | 25 | 29 | 103 |
| +15 mins. | 3 | 17 | 49 | 69 | **1** | **37** | 5 | 43 | 36 | 18 | 2 | 56 | 52 | 27 | 27 | 106 |
| +30 mins. | 5 | **23** | 58 | **86** | 1 | 37 | **6** | **44** | **50** | 15 | 1 | **66** | 37 | **36** | 39 | 112 |
| +45 mins. | 3 | 14 | **63** | 80 | 1 | 33 | 6 | 40 | 30 | 15 | 0 | 45 | **53** | 30 | **49** | **132** |
| Total Volume | 16 | 63 | 225 | 304 | 3 | 137 | 22 | 162 | 148 | 75 | 6 | 229 | 191 | 118 | 144 | 453 |
| % App. Total | 5.3 | 20.7 | 74 | | 1.9 | 84.6 | 13.6 | | 64.6 | 32.8 | 2.6 | | 42.2 | 26 | 31.8 | |
| PHF | .800 | .685 | .893 | .884 | .750 | .926 | .917 | .920 | .740 | .694 | .500 | .867 | .901 | .819 | .735 | .858 |

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PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: Newport Road
Weather: Clear

File Name : MENMENEAM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Newport Road Westbound | | | | Menifee Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 10 | 38 | 54 | 28 | 194 | 7 | 229 | 29 | 11 | 20 | 60 | 25 | 110 | 23 | 158 | 501 |
| 07:15 AM | 10 | 21 | 73 | 104 | 23 | 225 | 14 | 262 | 28 | 25 | 26 | 79 | 74 | 112 | 29 | 215 | 660 |
| 07:30 AM | 14 | 23 | 110 | 147 | 38 | 201 | 14 | 253 | 43 | 20 | 40 | 103 | 83 | 146 | 34 | 263 | 766 |
| 07:45 AM | 10 | 15 | 87 | 112 | 28 | 196 | 5 | 229 | 36 | 4 | 36 | 76 | 36 | 142 | 13 | 191 | 608 |
| Total | 40 | 69 | 308 | 417 | 117 | 816 | 40 | 973 | 136 | 60 | 122 | 318 | 218 | 510 | 99 | 827 | 2535 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 1 | 9 | 38 | 48 | 16 | 166 | 5 | 187 | 26 | 7 | 33 | 66 | 22 | 124 | 24 | 170 | 471 |
| 08:15 AM | 8 | 11 | 47 | 66 | 28 | 188 | 3 | 219 | 29 | 7 | 51 | 87 | 28 | 150 | 11 | 189 | 561 |
| 08:30 AM | 4 | 8 | 43 | 55 | 30 | 175 | 4 | 209 | 28 | 10 | 30 | 68 | 26 | 137 | 17 | 180 | 512 |
| 08:45 AM | 6 | 11 | 37 | 54 | 21 | 172 | 3 | 196 | 23 | 6 | 14 | 43 | 24 | 132 | 16 | 172 | 465 |
| Total | 19 | 39 | 165 | 223 | 95 | 701 | 15 | 811 | 106 | 30 | 128 | 264 | 100 | 543 | 68 | 711 | 2009 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 59 | 108 | 473 | 640 | 212 | 1517 | 55 | 1784 | 242 | 90 | 250 | 582 | 318 | 1053 | 167 | 1538 | 4544 |
| Apprch % | 9.2 | 16.9 | 73.9 | | 11.9 | 85 | 3.1 | | 41.6 | 15.5 | 43 | | 20.7 | 68.5 | 10.9 | | |
| Total % | 1.3 | 2.4 | 10.4 | 14.1 | 4.7 | 33.4 | 1.2 | 39.3 | 5.3 | 2 | 5.5 | 12.8 | 7 | 23.2 | 3.7 | 33.8 | |

| | Menifee Road Southbound | | | | Newport Road Westbound | | | | Menifee Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 6 | 10 | 38 | 54 | 28 | 194 | 7 | 229 | 29 | 11 | 20 | 60 | 25 | 110 | 23 | 158 | 501 |
| 07:15 AM | 10 | 21 | 73 | 104 | 23 | **225** | **14** | **262** | 28 | **25** | 26 | 79 | 74 | 112 | 29 | 215 | 660 |
| 07:30 AM | **14** | **23** | **110** | **147** | **38** | 201 | 14 | 253 | **43** | 20 | **40** | **103** | **83** | **146** | **34** | **263** | **766** |
| 07:45 AM | 10 | 15 | 87 | 112 | 28 | 196 | 5 | 229 | 36 | 4 | 36 | 76 | 36 | 142 | 13 | 191 | 608 |
| Total Volume | 40 | 69 | 308 | 417 | 117 | 816 | 40 | 973 | 136 | 60 | 122 | 318 | 218 | 510 | 99 | 827 | 2535 |
| % App. Total | 9.6 | 16.5 | 73.9 | | 12 | 83.9 | 4.1 | | 42.8 | 18.9 | 38.4 | | 26.4 | 61.7 | 12 | | |
| PHF | .714 | .750 | .700 | .709 | .770 | .907 | .714 | .928 | .791 | .600 | .763 | .772 | .657 | .873 | .728 | .786 | .827 |

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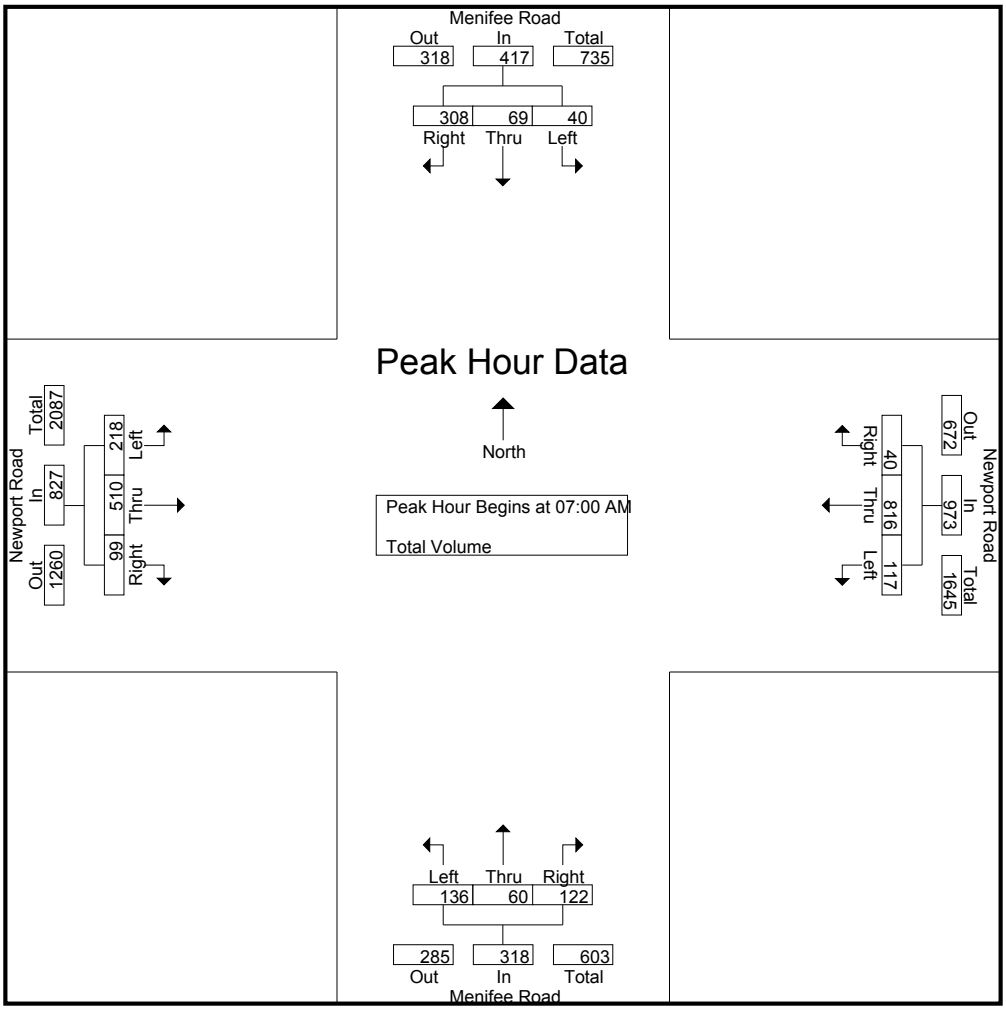
City of Menifee
N/S: Menifee Road
E/W: Newport Road
Weather: Clear

File Name : MENMENEAM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | | 07:00 AM | | | | 07:30 AM | | | | 07:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 6 | 10 | 38 | 54 | 28 | 194 | 7 | 229 | **43** | **20** | 40 | **103** | 74 | 112 | 29 | 215 |
| +15 mins. | 10 | 21 | 73 | 104 | 23 | **225** | **14** | **262** | 36 | 4 | 36 | 76 | **83** | **146** | **34** | **263** |
| +30 mins. | **14** | **23** | **110** | **147** | **38** | 201 | 14 | 253 | 26 | 7 | 33 | 66 | 36 | 142 | 13 | 191 |
| +45 mins. | 10 | 15 | 87 | 112 | 28 | 196 | 5 | 229 | 29 | 7 | **51** | 87 | 22 | 124 | 24 | 170 |
| Total Volume | 40 | 69 | 308 | 417 | 117 | 816 | 40 | 973 | 134 | 38 | 160 | 332 | 215 | 524 | 100 | 839 |
| % App. Total | 9.6 | 16.5 | 73.9 | | 12 | 83.9 | 4.1 | | 40.4 | 11.4 | 48.2 | | 25.6 | 62.5 | 11.9 | |
| PHF | .714 | .750 | .700 | .709 | .770 | .907 | .714 | .928 | .779 | .475 | .784 | .806 | .648 | .897 | .735 | .798 |

Counts Unlimited, Inc.
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City of Menifee
N/S: Menifee Road
E/W: Newport Road
Weather: Clear

File Name : MENMENEPM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

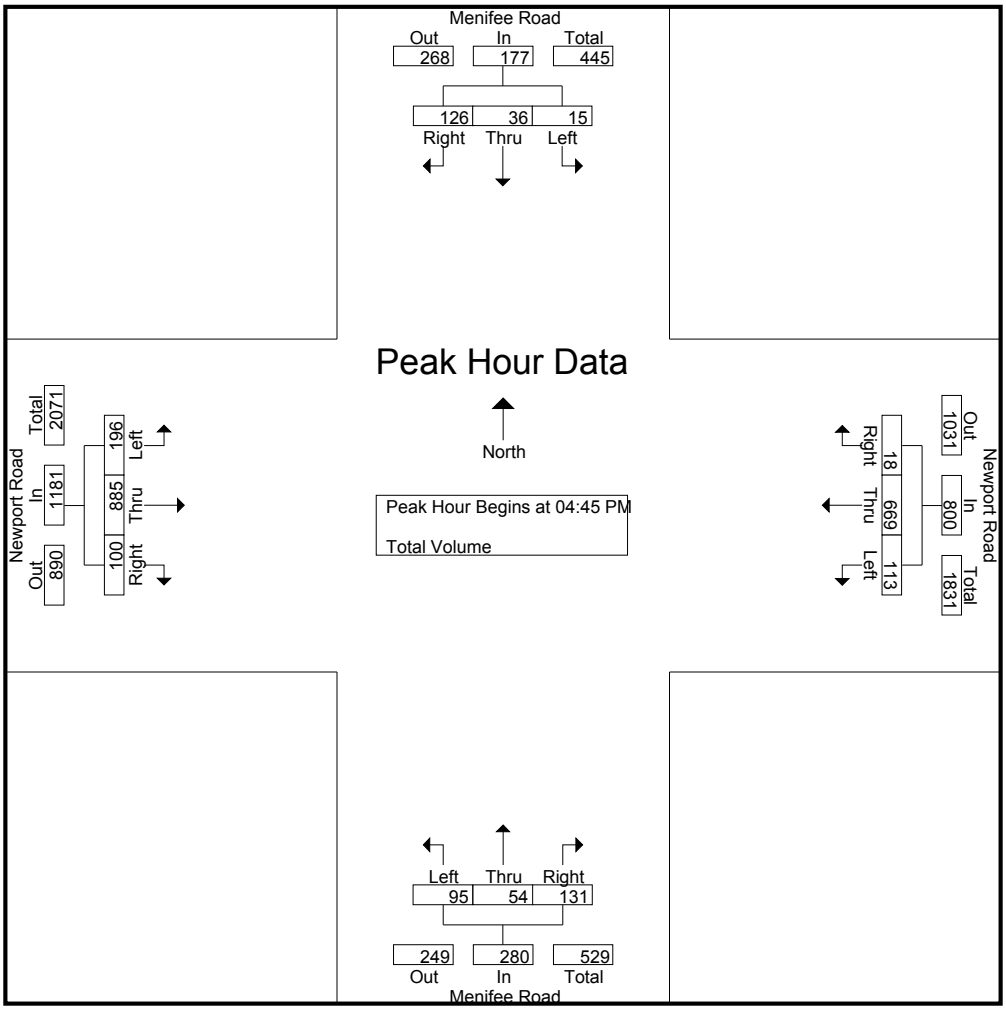
| | Menifee Road Southbound | | | | Newport Road Westbound | | | | Menifee Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 2 | 12 | 34 | 48 | 22 | 155 | 6 | 183 | 33 | 11 | 25 | 69 | 39 | 212 | 12 | 263 | 563 |
| 04:15 PM | 3 | 10 | 28 | 41 | 25 | 171 | 2 | 198 | 42 | 13 | 18 | 73 | 50 | 210 | 20 | 280 | 592 |
| 04:30 PM | 1 | 16 | 32 | 49 | 22 | 151 | 5 | 178 | 38 | 16 | 34 | 88 | 45 | 222 | 15 | 282 | 597 |
| 04:45 PM | 4 | 5 | 32 | 41 | 27 | 147 | 3 | 177 | 25 | 9 | 27 | 61 | 52 | 230 | 21 | 303 | 582 |
| Total | 10 | 43 | 126 | 179 | 96 | 624 | 16 | 736 | 138 | 49 | 104 | 291 | 186 | 874 | 68 | 1128 | 2334 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 5 | 7 | 34 | 46 | 32 | 154 | 4 | 190 | 23 | 11 | 27 | 61 | 52 | 213 | 21 | 286 | 583 |
| 05:15 PM | 2 | 10 | 32 | 44 | 26 | 197 | 6 | 229 | 32 | 10 | 37 | 79 | 45 | 245 | 30 | 320 | 672 |
| 05:30 PM | 4 | 14 | 28 | 46 | 28 | 171 | 5 | 204 | 15 | 24 | 40 | 79 | 47 | 197 | 28 | 272 | 601 |
| 05:45 PM | 2 | 10 | 22 | 34 | 22 | 151 | 9 | 182 | 18 | 13 | 34 | 65 | 33 | 211 | 28 | 272 | 553 |
| Total | 13 | 41 | 116 | 170 | 108 | 673 | 24 | 805 | 88 | 58 | 138 | 284 | 177 | 866 | 107 | 1150 | 2409 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 23 | 84 | 242 | 349 | 204 | 1297 | 40 | 1541 | 226 | 107 | 242 | 575 | 363 | 1740 | 175 | 2278 | 4743 |
| Apprch % | 6.6 | 24.1 | 69.3 | | 13.2 | 84.2 | 2.6 | | 39.3 | 18.6 | 42.1 | | 15.9 | 76.4 | 7.7 | | |
| Total % | 0.5 | 1.8 | 5.1 | 7.4 | 4.3 | 27.3 | 0.8 | 32.5 | 4.8 | 2.3 | 5.1 | 12.1 | 7.7 | 36.7 | 3.7 | 48 | |

| | Menifee Road Southbound | | | | Newport Road Westbound | | | | Menifee Road Northbound | | | | Newport Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 4 | 5 | 32 | 41 | 27 | 147 | 3 | 177 | 25 | 9 | 27 | 61 | **52** | 230 | 21 | 303 | 582 |
| 05:00 PM | **5** | 7 | **34** | **46** | **32** | 154 | 4 | 190 | 23 | 11 | 27 | 61 | 52 | 213 | 21 | 286 | 583 |
| 05:15 PM | 2 | 10 | 32 | 44 | 26 | **197** | **6** | **229** | **32** | 10 | 37 | **79** | 45 | **245** | **30** | **320** | **672** |
| 05:30 PM | 4 | **14** | 28 | 46 | 28 | 171 | 5 | 204 | 15 | **24** | **40** | 79 | 47 | 197 | 28 | 272 | 601 |
| Total Volume | 15 | 36 | 126 | 177 | 113 | 669 | 18 | 800 | 95 | 54 | 131 | 280 | 196 | 885 | 100 | 1181 | 2438 |
| % App. Total | 8.5 | 20.3 | 71.2 | | 14.1 | 83.6 | 2.2 | | 33.9 | 19.3 | 46.8 | | 16.6 | 74.9 | 8.5 | | |
| PHF | .750 | .643 | .926 | .962 | .883 | .849 | .750 | .873 | .742 | .563 | .819 | .886 | .942 | .903 | .833 | .923 | .907 |

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: Newport Road
Weather: Clear

File Name : MENMENEPM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 05:00 PM | | | | 04:00 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | **16** | 32 | **49** | **32** | 154 | 4 | 190 | 33 | 11 | 25 | 69 | 45 | 222 | 15 | 282 |
| +15 mins. | 4 | 5 | 32 | 41 | 26 | **197** | 6 | **229** | **42** | 13 | 18 | 73 | **52** | 230 | 21 | 303 |
| +30 mins. | **5** | 7 | **34** | 46 | 28 | 171 | 5 | 204 | 38 | **16** | **34** | **88** | 52 | 213 | 21 | 286 |
| +45 mins. | 2 | 10 | 32 | 44 | 22 | 151 | **9** | 182 | 25 | 9 | 27 | 61 | 45 | **245** | **30** | **320** |
| Total Volume | 12 | 38 | 130 | 180 | 108 | 673 | 24 | 805 | 138 | 49 | 104 | 291 | 194 | 910 | 87 | 1191 |
| % App. Total | 6.7 | 21.1 | 72.2 | | 13.4 | 83.6 | 3 | | 47.4 | 16.8 | 35.7 | | 16.3 | 76.4 | 7.3 | |
| PHF | .600 | .594 | .956 | .918 | .844 | .854 | .667 | .879 | .821 | .766 | .765 | .827 | .933 | .929 | .725 | .930 |

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City of Menifee
N/S: Menifee Road
E/W: Holland Road
Weather: Clear

File Name : MENMEHOAM
Site Code : 00000051
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Holland Road Westbound | | | | Menifee Road Northbound | | | | Holland Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 16 | 30 | 5 | 51 | 5 | 20 | 11 | 36 | 7 | 28 | 21 | 56 | 8 | 32 | 2 | 42 | 185 |
| 07:15 AM | 9 | 26 | 13 | 48 | 29 | 47 | 15 | 91 | 9 | 57 | 49 | 115 | 29 | 27 | 3 | 59 | 313 |
| 07:30 AM | 4 | 49 | 38 | 91 | 53 | 46 | 30 | 129 | 10 | 53 | 32 | 95 | 41 | 20 | 5 | 66 | 381 |
| 07:45 AM | 9 | 44 | 32 | 85 | 14 | 18 | 14 | 46 | 4 | 53 | 6 | 63 | 10 | 8 | 4 | 22 | 216 |
| Total | 38 | 149 | 88 | 275 | 101 | 131 | 70 | 302 | 30 | 191 | 108 | 329 | 88 | 87 | 14 | 189 | 1095 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 1 | 41 | 16 | 58 | 9 | 22 | 7 | 38 | 2 | 63 | 3 | 68 | 7 | 7 | 3 | 17 | 181 |
| 08:15 AM | 10 | 67 | 12 | 89 | 3 | 20 | 22 | 45 | 13 | 89 | 1 | 103 | 17 | 8 | 3 | 28 | 265 |
| 08:30 AM | 14 | 75 | 15 | 104 | 3 | 12 | 14 | 29 | 3 | 74 | 2 | 79 | 16 | 7 | 7 | 30 | 242 |
| 08:45 AM | 8 | 39 | 3 | 50 | 0 | 16 | 10 | 26 | 4 | 29 | 2 | 35 | 4 | 10 | 5 | 19 | 130 |
| Total | 33 | 222 | 46 | 301 | 15 | 70 | 53 | 138 | 22 | 255 | 8 | 285 | 44 | 32 | 18 | 94 | 818 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 71 | 371 | 134 | 576 | 116 | 201 | 123 | 440 | 52 | 446 | 116 | 614 | 132 | 119 | 32 | 283 | 1913 |
| Apprch % | 12.3 | 64.4 | 23.3 | | 26.4 | 45.7 | 28 | | 8.5 | 72.6 | 18.9 | | 46.6 | 42 | 11.3 | | |
| Total % | 3.7 | 19.4 | 7 | 30.1 | 6.1 | 10.5 | 6.4 | 23 | 2.7 | 23.3 | 6.1 | 32.1 | 6.9 | 6.2 | 1.7 | 14.8 | |

| | Menifee Road Southbound | | | | Holland Road Westbound | | | | Menifee Road Northbound | | | | Holland Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | **16** | 30 | 5 | 51 | 5 | 20 | 11 | 36 | 7 | 28 | 21 | 56 | 8 | **32** | 2 | 42 | 185 |
| 07:15 AM | 9 | 26 | 13 | 48 | 29 | **47** | 15 | 91 | 9 | **57** | **49** | **115** | 29 | 27 | 3 | 59 | 313 |
| 07:30 AM | 4 | **49** | **38** | **91** | **53** | 46 | **30** | **129** | **10** | 53 | 32 | 95 | **41** | 20 | **5** | **66** | **381** |
| 07:45 AM | 9 | 44 | 32 | 85 | 14 | 18 | 14 | 46 | 4 | 53 | 6 | 63 | 10 | 8 | 4 | 22 | 216 |
| Total Volume | 38 | 149 | 88 | 275 | 101 | 131 | 70 | 302 | 30 | 191 | 108 | 329 | 88 | 87 | 14 | 189 | 1095 |
| % App. Total | 13.8 | 54.2 | 32 | | 33.4 | 43.4 | 23.2 | | 9.1 | 58.1 | 32.8 | | 46.6 | 46 | 7.4 | | |
| PHF | .594 | .760 | .579 | .755 | .476 | .697 | .583 | .585 | .750 | .838 | .551 | .715 | .537 | .680 | .700 | .716 | .719 |

Counts Unlimited, Inc.
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Corona, CA 92878
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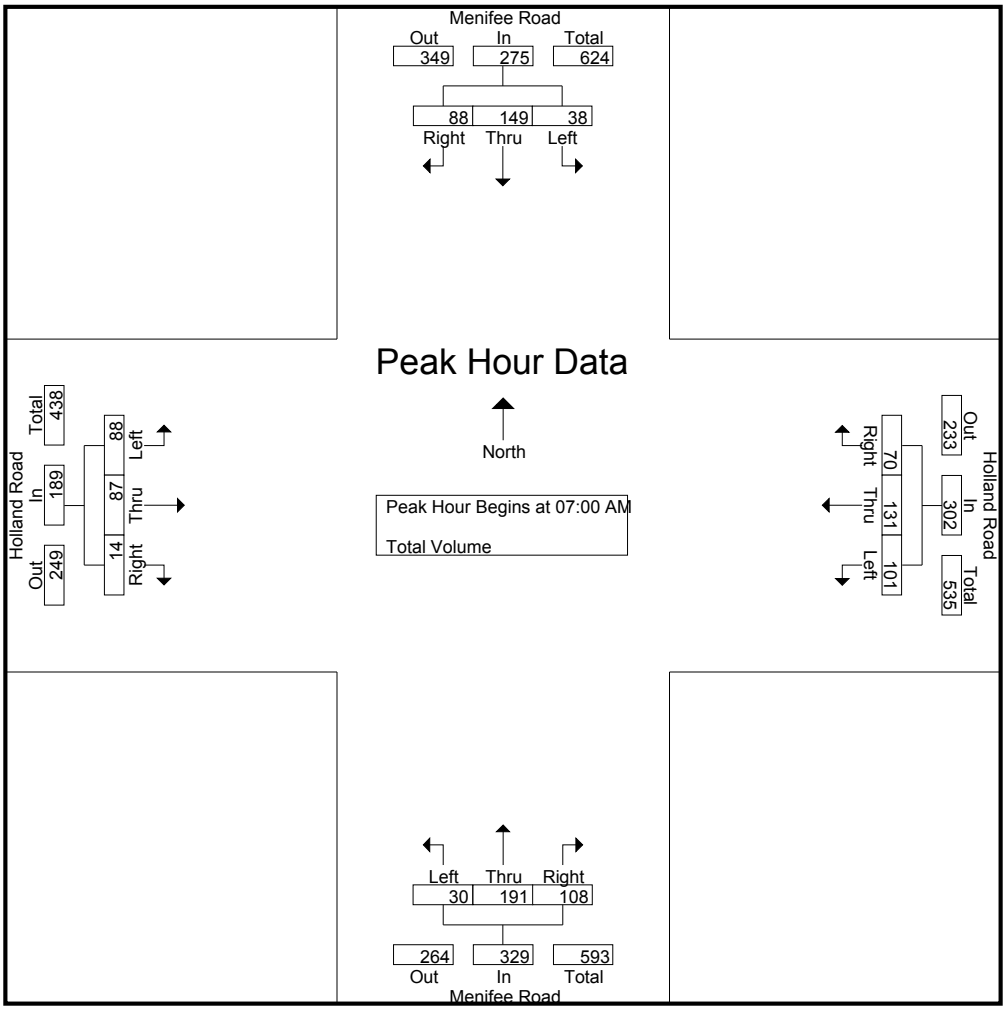
City of Menifee
N/S: Menifee Road
E/W: Holland Road
Weather: Clear

File Name : MENMEHOAM
Site Code : 00000051
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:15 AM | | | | 07:15 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 9 | 44 | **32** | 85 | 29 | **47** | 15 | 91 | 9 | 57 | **49** | **115** | 8 | **32** | 2 | 42 |
| +15 mins. | 1 | 41 | 16 | 58 | **53** | 46 | **30** | **129** | **10** | 53 | 32 | 95 | 29 | 27 | 3 | 59 |
| +30 mins. | 10 | 67 | 12 | 89 | 14 | 18 | 14 | 46 | 4 | 53 | 6 | 63 | **41** | 20 | **5** | **66** |
| +45 mins. | **14** | **75** | 15 | **104** | 9 | 22 | 7 | 38 | 2 | **63** | 3 | 68 | 10 | 8 | 4 | 22 |
| Total Volume | 34 | 227 | 75 | 336 | 105 | 133 | 66 | 304 | 25 | 226 | 90 | 341 | 88 | 87 | 14 | 189 |
| % App. Total | 10.1 | 67.6 | 22.3 | | 34.5 | 43.8 | 21.7 | | 7.3 | 66.3 | 26.4 | | 46.6 | 46 | 7.4 | |
| PHF | .607 | .757 | .586 | .808 | .495 | .707 | .550 | .589 | .625 | .897 | .459 | .741 | .537 | .680 | .700 | .716 |

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City of Menifee
N/S: Menifee Road
E/W: Holland Road
Weather: Clear

File Name : MENMEHOPM
Site Code : 00000051
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Holland Road Westbound | | | | Menifee Road Northbound | | | | Holland Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 8 | 31 | 14 | 53 | 4 | 13 | 5 | 22 | 10 | 36 | 4 | 50 | 5 | 18 | 17 | 40 | 165 |
| 04:15 PM | 8 | 23 | 6 | 37 | 4 | 18 | 11 | 33 | 7 | 38 | 6 | 51 | 7 | 20 | 9 | 36 | 157 |
| 04:30 PM | 5 | 37 | 15 | 57 | 2 | 10 | 16 | 28 | 7 | 44 | 3 | 54 | 10 | 30 | 11 | 51 | 190 |
| 04:45 PM | 8 | 28 | 10 | 46 | 5 | 12 | 13 | 30 | 4 | 50 | 6 | 60 | 7 | 24 | 8 | 39 | 175 |
| Total | 29 | 119 | 45 | 193 | 15 | 53 | 45 | 113 | 28 | 168 | 19 | 215 | 29 | 92 | 45 | 166 | 687 |
| 05:00 PM | 4 | 29 | 9 | 42 | 4 | 6 | 7 | 17 | 5 | 51 | 2 | 58 | 10 | 21 | 13 | 44 | 161 |
| 05:15 PM | 3 | 27 | 12 | 42 | 2 | 18 | 19 | 39 | 5 | 86 | 3 | 94 | 8 | 17 | 15 | 40 | 215 |
| 05:30 PM | 4 | 36 | 11 | 51 | 1 | 14 | 6 | 21 | 2 | 61 | 7 | 70 | 14 | 26 | 9 | 49 | 191 |
| 05:45 PM | 10 | 30 | 11 | 51 | 4 | 21 | 5 | 30 | 4 | 53 | 2 | 59 | 10 | 24 | 15 | 49 | 189 |
| Total | 21 | 122 | 43 | 186 | 11 | 59 | 37 | 107 | 16 | 251 | 14 | 281 | 42 | 88 | 52 | 182 | 756 |
| Grand Total | 50 | 241 | 88 | 379 | 26 | 112 | 82 | 220 | 44 | 419 | 33 | 496 | 71 | 180 | 97 | 348 | 1443 |
| Apprch % | 13.2 | 63.6 | 23.2 | | 11.8 | 50.9 | 37.3 | | 8.9 | 84.5 | 6.7 | | 20.4 | 51.7 | 27.9 | | |
| Total % | 3.5 | 16.7 | 6.1 | 26.3 | 1.8 | 7.8 | 5.7 | 15.2 | 3 | 29 | 2.3 | 34.4 | 4.9 | 12.5 | 6.7 | 24.1 | |

| | Menifee Road Southbound | | | | Holland Road Westbound | | | | Menifee Road Northbound | | | | Holland Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 4 | 29 | 9 | 42 | **4** | 6 | 7 | 17 | **5** | 51 | 2 | 58 | 10 | 21 | 13 | 44 | 161 |
| 05:15 PM | 3 | 27 | **12** | 42 | 2 | 18 | **19** | **39** | 5 | **86** | 3 | **94** | 8 | 17 | **15** | 40 | **215** |
| 05:30 PM | 4 | **36** | 11 | **51** | 1 | 14 | 6 | 21 | 2 | 61 | **7** | 70 | **14** | **26** | 9 | **49** | 191 |
| 05:45 PM | **10** | 30 | 11 | 51 | 4 | **21** | 5 | 30 | 4 | 53 | 2 | 59 | 10 | 24 | 15 | 49 | 189 |
| Total Volume | 21 | 122 | 43 | 186 | 11 | 59 | 37 | 107 | 16 | 251 | 14 | 281 | 42 | 88 | 52 | 182 | 756 |
| % App. Total | 11.3 | 65.6 | 23.1 | | 10.3 | 55.1 | 34.6 | | 5.7 | 89.3 | 5 | | 23.1 | 48.4 | 28.6 | | |
| PHF | .525 | .847 | .896 | .912 | .688 | .702 | .487 | .686 | .800 | .730 | .500 | .747 | .750 | .846 | .867 | .929 | .879 |

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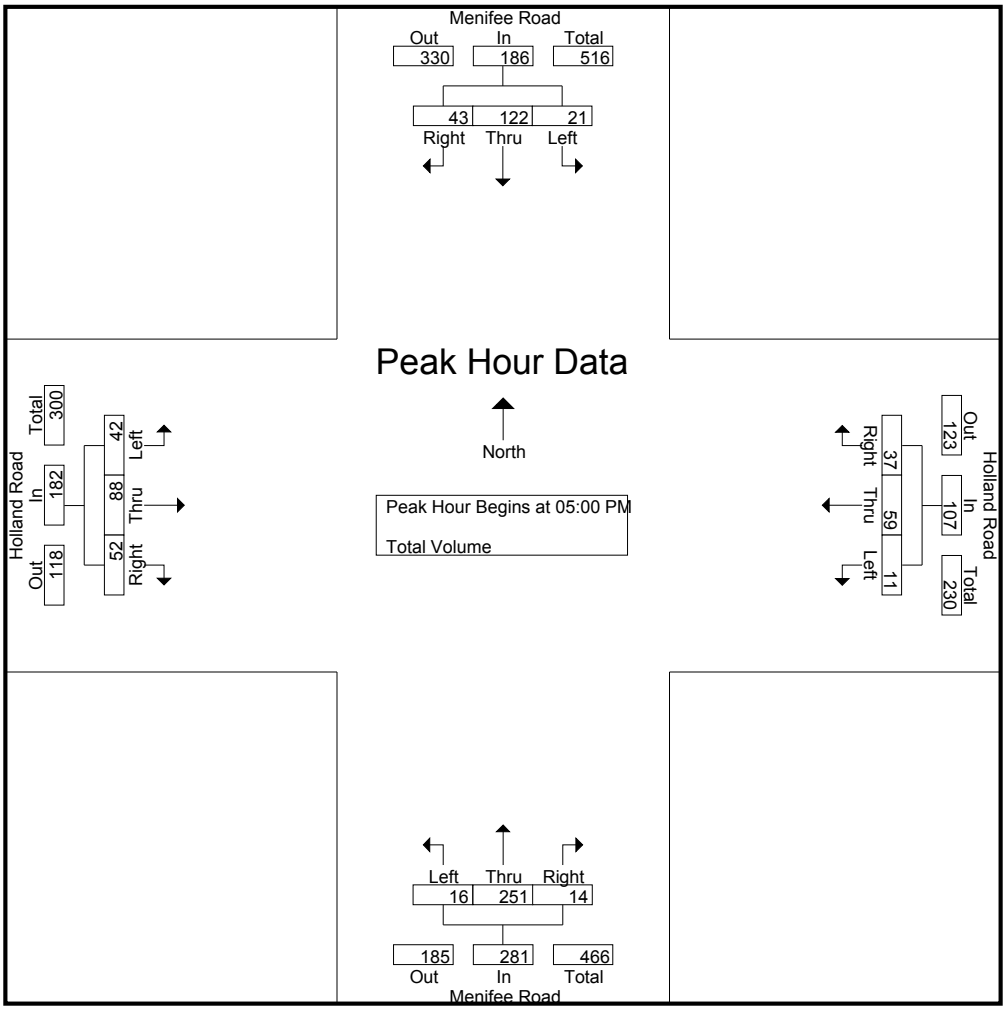
City of Menifee
N/S: Menifee Road
E/W: Holland Road
Weather: Clear

File Name : MENMEHOPM
Site Code : 00000051
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:30 PM | | | | 04:45 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **8** | 31 | 14 | 53 | 2 | 10 | 16 | 28 | 4 | 50 | 6 | 60 | 10 | 21 | 13 | 44 |
| +15 mins. | 8 | 23 | 6 | 37 | **5** | 12 | 13 | 30 | **5** | 51 | 2 | 58 | 8 | 17 | **15** | 40 |
| +30 mins. | 5 | **37** | **15** | **57** | 4 | 6 | 7 | 17 | 5 | **86** | 3 | **94** | **14** | **26** | 9 | **49** |
| +45 mins. | 8 | 28 | 10 | 46 | 2 | **18** | **19** | **39** | 2 | 61 | **7** | 70 | 10 | 24 | 15 | 49 |
| Total Volume | 29 | 119 | 45 | 193 | 13 | 46 | 55 | 114 | 16 | 248 | 18 | 282 | 42 | 88 | 52 | 182 |
| % App. Total | 15 | 61.7 | 23.3 | | 11.4 | 40.4 | 48.2 | | 5.7 | 87.9 | 6.4 | | 23.1 | 48.4 | 28.6 | |
| PHF | .906 | .804 | .750 | .846 | .650 | .639 | .724 | .731 | .800 | .721 | .643 | .750 | .750 | .846 | .867 | .929 |

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PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: Garbani Road
Weather: Clear

File Name : MENMEGAAM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Garbani Road Westbound | | | | Menifee Road Northbound | | | | Garbani Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 1 | 34 | 4 | 39 | 7 | 5 | 0 | 12 | 2 | 22 | 4 | 28 | 4 | 0 | 0 | 4 | 83 |
| 07:15 AM | 2 | 31 | 2 | 35 | 5 | 5 | 3 | 13 | 1 | 43 | 3 | 47 | 4 | 3 | 1 | 8 | 103 |
| 07:30 AM | 2 | 59 | 7 | 68 | 14 | 8 | 2 | 24 | 2 | 34 | 6 | 42 | 4 | 2 | 2 | 8 | 142 |
| 07:45 AM | 3 | 57 | 4 | 64 | 8 | 4 | 2 | 14 | 4 | 37 | 7 | 48 | 3 | 4 | 8 | 15 | 141 |
| Total | 8 | 181 | 17 | 206 | 34 | 22 | 7 | 63 | 9 | 136 | 20 | 165 | 15 | 9 | 11 | 35 | 469 |
| 08:00 AM | 0 | 47 | 4 | 51 | 4 | 2 | 1 | 7 | 2 | 37 | 2 | 41 | 0 | 4 | 4 | 8 | 107 |
| 08:15 AM | 3 | 43 | 8 | 54 | 6 | 7 | 3 | 16 | 2 | 61 | 4 | 67 | 2 | 0 | 8 | 10 | 147 |
| 08:30 AM | 5 | 52 | 6 | 63 | 5 | 3 | 3 | 11 | 1 | 44 | 3 | 48 | 0 | 1 | 5 | 6 | 128 |
| 08:45 AM | 2 | 37 | 3 | 42 | 2 | 5 | 0 | 7 | 4 | 27 | 5 | 36 | 3 | 1 | 4 | 8 | 93 |
| Total | 10 | 179 | 21 | 210 | 17 | 17 | 7 | 41 | 9 | 169 | 14 | 192 | 5 | 6 | 21 | 32 | 475 |
| Grand Total | 18 | 360 | 38 | 416 | 51 | 39 | 14 | 104 | 18 | 305 | 34 | 357 | 20 | 15 | 32 | 67 | 944 |
| Apprch % | 4.3 | 86.5 | 9.1 | | 49 | 37.5 | 13.5 | | 5 | 85.4 | 9.5 | | 29.9 | 22.4 | 47.8 | | |
| Total % | 1.9 | 38.1 | 4 | 44.1 | 5.4 | 4.1 | 1.5 | 11 | 1.9 | 32.3 | 3.6 | 37.8 | 2.1 | 1.6 | 3.4 | 7.1 | |

| | Menifee Road Southbound | | | | Garbani Road Westbound | | | | Menifee Road Northbound | | | | Garbani Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:30 AM | | | | | | | | | | | | | | | | | |
| 07:30 AM | 2 | **59** | 7 | **68** | **14** | **8** | 2 | **24** | 2 | 34 | 6 | 42 | **4** | 2 | 2 | 8 | 142 |
| 07:45 AM | **3** | 57 | 4 | 64 | 8 | 4 | 2 | 14 | **4** | 37 | **7** | 48 | 3 | **4** | **8** | **15** | 141 |
| 08:00 AM | 0 | 47 | 4 | 51 | 4 | 2 | 1 | 7 | 2 | 37 | 2 | 41 | 0 | 4 | 4 | 8 | 107 |
| 08:15 AM | 3 | 43 | **8** | 54 | 6 | 7 | **3** | 16 | 2 | **61** | 4 | **67** | 2 | 0 | 8 | 10 | **147** |
| Total Volume | 8 | 206 | 23 | 237 | 32 | 21 | 8 | 61 | 10 | 169 | 19 | 198 | 9 | 10 | 22 | 41 | 537 |
| % App. Total | 3.4 | 86.9 | 9.7 | | 52.5 | 34.4 | 13.1 | | 5.1 | 85.4 | 9.6 | | 22 | 24.4 | 53.7 | | |
| PHF | .667 | .873 | .719 | .871 | .571 | .656 | .667 | .635 | .625 | .693 | .679 | .739 | .563 | .625 | .688 | .683 | .913 |

Counts Unlimited, Inc.
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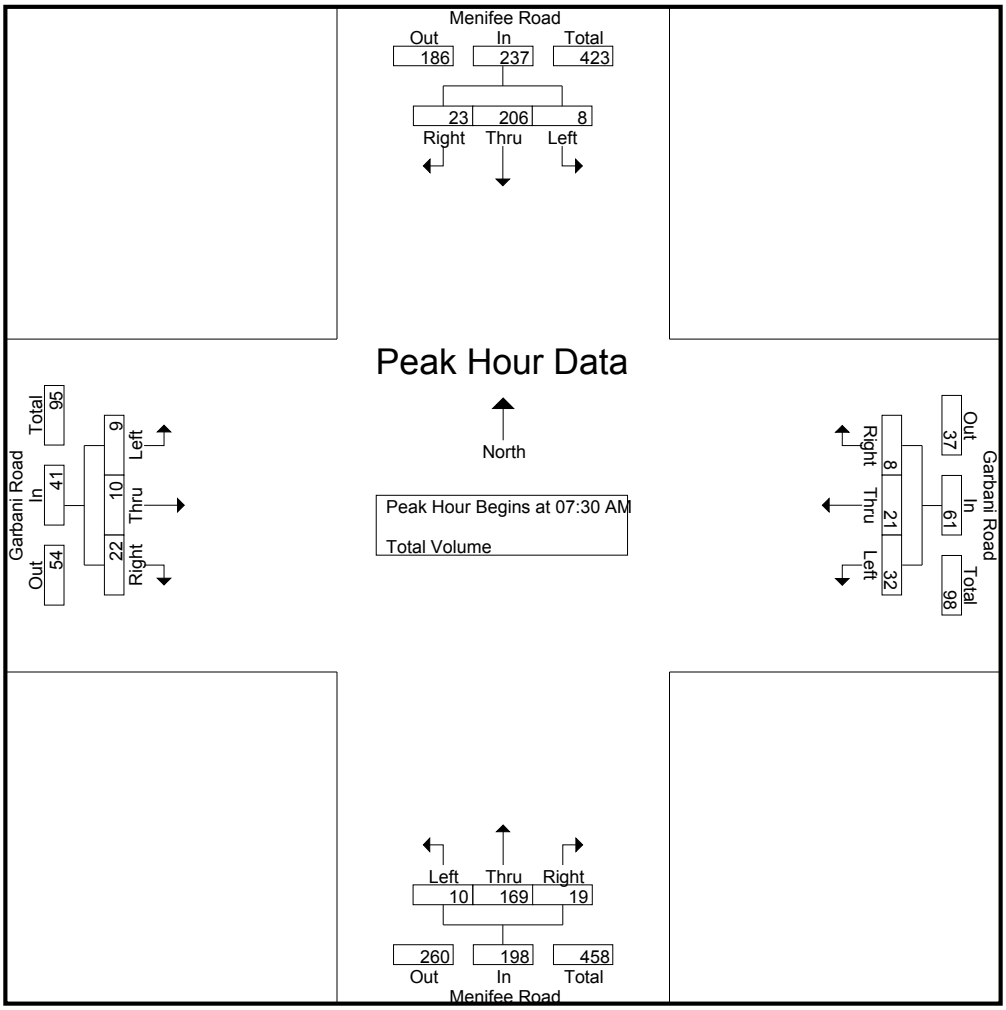
Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: Garbani Road
Weather: Clear

File Name : MENMEGAAM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:30 AM | | | | 07:00 AM | | | | 07:45 AM | | | | 07:30 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 2 | **59** | 7 | **68** | 7 | 5 | 0 | 12 | **4** | 37 | **7** | 48 | **4** | 2 | 2 | 8 |
| +15 mins. | **3** | 57 | 4 | 64 | 5 | 5 | **3** | 13 | 2 | 37 | 2 | 41 | 3 | **4** | **8** | **15** |
| +30 mins. | 0 | 47 | 4 | 51 | **14** | **8** | 2 | **24** | 2 | **61** | 4 | **67** | 0 | 4 | 4 | 8 |
| +45 mins. | 3 | 43 | **8** | 54 | 8 | 4 | 2 | 14 | 1 | 44 | 3 | 48 | 2 | 0 | 8 | 10 |
| Total Volume | 8 | 206 | 23 | 237 | 34 | 22 | 7 | 63 | 9 | 179 | 16 | 204 | 9 | 10 | 22 | 41 |
| % App. Total | 3.4 | 86.9 | 9.7 | | 54 | 34.9 | 11.1 | | 4.4 | 87.7 | 7.8 | | 22 | 24.4 | 53.7 | |
| PHF | .667 | .873 | .719 | .871 | .607 | .688 | .583 | .656 | .563 | .734 | .571 | .761 | .563 | .625 | .688 | .683 |

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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Menifee Road
E/W: Garbani Road
Weather: Clear

File Name : MENMEGAPM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Garbani Road Westbound | | | | Menifee Road Northbound | | | | Garbani Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 2 | 29 | 0 | 31 | 6 | 3 | 3 | 12 | 3 | 46 | 10 | 59 | 2 | 1 | 3 | 6 | 108 |
| 04:15 PM | 0 | 35 | 2 | 37 | 6 | 1 | 3 | 10 | 2 | 57 | 11 | 70 | 1 | 2 | 7 | 10 | 127 |
| 04:30 PM | 1 | 35 | 2 | 38 | 1 | 4 | 1 | 6 | 3 | 53 | 12 | 68 | 3 | 0 | 9 | 12 | 124 |
| 04:45 PM | 1 | 24 | 0 | 25 | 2 | 1 | 2 | 5 | 2 | 55 | 6 | 63 | 2 | 1 | 2 | 5 | 98 |
| Total | 4 | 123 | 4 | 131 | 15 | 9 | 9 | 33 | 10 | 211 | 39 | 260 | 8 | 4 | 21 | 33 | 457 |
| 05:00 PM | 2 | 32 | 6 | 40 | 4 | 4 | 2 | 10 | 7 | 77 | 10 | 94 | 1 | 2 | 1 | 4 | 148 |
| 05:15 PM | 2 | 31 | 1 | 34 | 5 | 6 | 3 | 14 | 8 | 88 | 5 | 101 | 3 | 2 | 5 | 10 | 159 |
| 05:30 PM | 0 | 39 | 6 | 45 | 2 | 0 | 1 | 3 | 6 | 68 | 6 | 80 | 1 | 2 | 2 | 5 | 133 |
| 05:45 PM | 5 | 31 | 2 | 38 | 5 | 1 | 3 | 9 | 5 | 61 | 5 | 71 | 2 | 2 | 6 | 10 | 128 |
| Total | 9 | 133 | 15 | 157 | 16 | 11 | 9 | 36 | 26 | 294 | 26 | 346 | 7 | 8 | 14 | 29 | 568 |
| Grand Total | 13 | 256 | 19 | 288 | 31 | 20 | 18 | 69 | 36 | 505 | 65 | 606 | 15 | 12 | 35 | 62 | 1025 |
| Apprch % | 4.5 | 88.9 | 6.6 | | 44.9 | 29 | 26.1 | | 5.9 | 83.3 | 10.7 | | 24.2 | 19.4 | 56.5 | | |
| Total % | 1.3 | 25 | 1.9 | 28.1 | 3 | 2 | 1.8 | 6.7 | 3.5 | 49.3 | 6.3 | 59.1 | 1.5 | 1.2 | 3.4 | 6 | |

| | Menifee Road Southbound | | | | Garbani Road Westbound | | | | Menifee Road Northbound | | | | Garbani Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 2 | 32 | **6** | 40 | 4 | 4 | 2 | 10 | 7 | 77 | **10** | 94 | 1 | **2** | 1 | 4 | 148 |
| 05:15 PM | 2 | 31 | 1 | 34 | **5** | **6** | **3** | **14** | **8** | **88** | 5 | **101** | **3** | 2 | 5 | **10** | **159** |
| 05:30 PM | 0 | **39** | 6 | **45** | 2 | 0 | 1 | 3 | 6 | 68 | 6 | 80 | 1 | 2 | 2 | 5 | 133 |
| 05:45 PM | **5** | 31 | 2 | 38 | 5 | 1 | 3 | 9 | 5 | 61 | 5 | 71 | 2 | 2 | **6** | 10 | 128 |
| Total Volume | 9 | 133 | 15 | 157 | 16 | 11 | 9 | 36 | 26 | 294 | 26 | 346 | 7 | 8 | 14 | 29 | 568 |
| % App. Total | 5.7 | 84.7 | 9.6 | | 44.4 | 30.6 | 25 | | 7.5 | 85 | 7.5 | | 24.1 | 27.6 | 48.3 | | |
| PHF | .450 | .853 | .625 | .872 | .800 | .458 | .750 | .643 | .813 | .835 | .650 | .856 | .583 | 1.00 | .583 | .725 | .893 |

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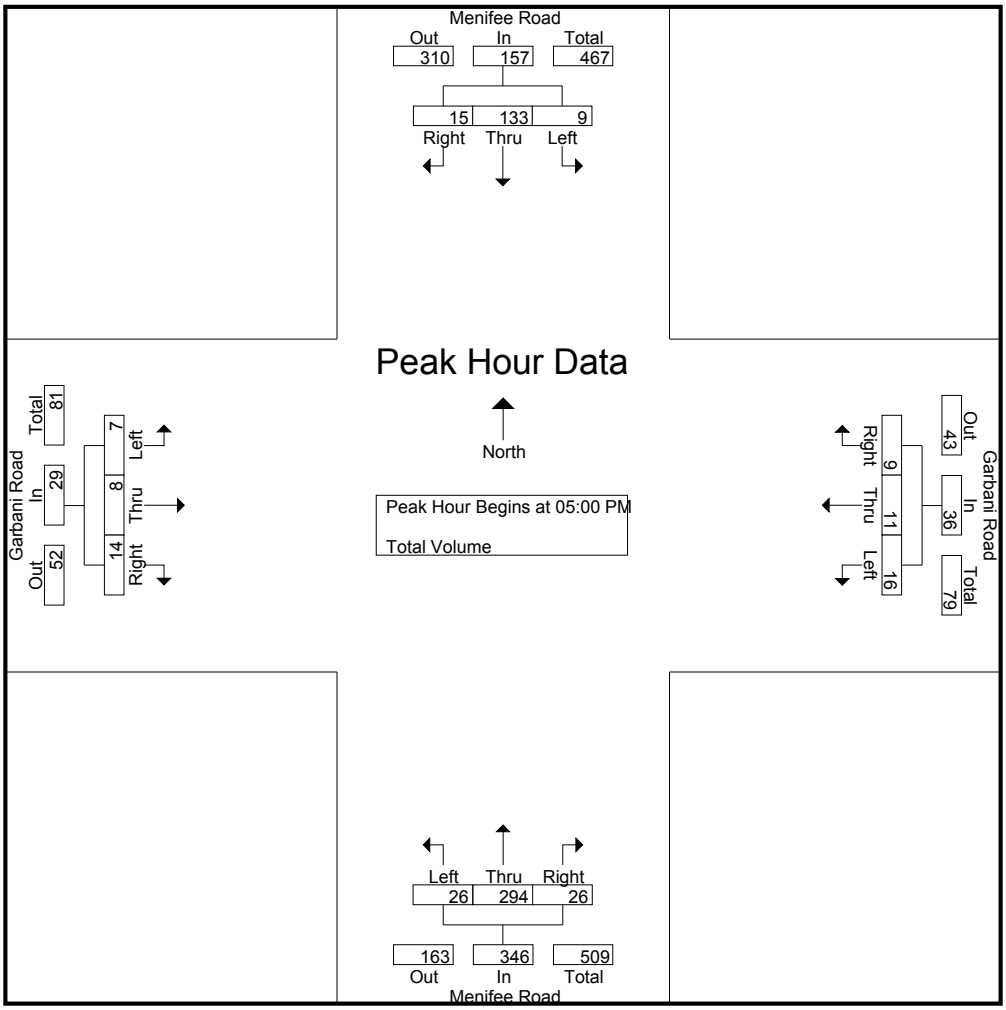
City of Menifee
N/S: Menifee Road
E/W: Garbani Road
Weather: Clear

File Name : MENMEGAPM
Site Code : 00000066
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 2 | 32 | **6** | 40 | 4 | 4 | 2 | 10 | 7 | 77 | **10** | 94 | 2 | 1 | 3 | 6 |
| +15 mins. | 2 | 31 | 1 | 34 | **5** | **6** | **3** | **14** | **8** | **88** | 5 | **101** | 1 | **2** | 7 | 10 |
| +30 mins. | 0 | **39** | 6 | **45** | 2 | 0 | 1 | 3 | 6 | 68 | 6 | 80 | **3** | 0 | **9** | **12** |
| +45 mins. | **5** | 31 | 2 | 38 | 5 | 1 | 3 | 9 | 5 | 61 | 5 | 71 | 2 | 1 | 2 | 5 |
| Total Volume | 9 | 133 | 15 | 157 | 16 | 11 | 9 | 36 | 26 | 294 | 26 | 346 | 8 | 4 | 21 | 33 |
| % App. Total | 5.7 | 84.7 | 9.6 | | 44.4 | 30.6 | 25 | | 7.5 | 85 | 7.5 | | 24.2 | 12.1 | 63.6 | |
| PHF | .450 | .853 | .625 | .872 | .800 | .458 | .750 | .643 | .813 | .835 | .650 | .856 | .667 | .500 | .583 | .688 |

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City of Menifee
N/S: Menifee Road
E/W: Scott Road
Weather: Clear

File Name : MENMESCAM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Scott Road Westbound | | | | Menifee Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 10 | 16 | 25 | 51 | 17 | 130 | 20 | 167 | 29 | 10 | 8 | 47 | 11 | 92 | 8 | 111 | 376 |
| 07:15 AM | 13 | 23 | 22 | 58 | 29 | 126 | 29 | 184 | 24 | 12 | 11 | 47 | 13 | 80 | 13 | 106 | 395 |
| 07:30 AM | 28 | 29 | 26 | 83 | 14 | 120 | 18 | 152 | 34 | 22 | 37 | 93 | 8 | 79 | 6 | 93 | 421 |
| 07:45 AM | 26 | 34 | 25 | 85 | 13 | 100 | 8 | 121 | 38 | 16 | 25 | 79 | 10 | 102 | 14 | 126 | 411 |
| Total | 77 | 102 | 98 | 277 | 73 | 476 | 75 | 624 | 125 | 60 | 81 | 266 | 42 | 353 | 41 | 436 | 1603 |
| 08:00 AM | 24 | 10 | 18 | 52 | 9 | 97 | 18 | 124 | 32 | 17 | 18 | 67 | 19 | 99 | 14 | 132 | 375 |
| 08:15 AM | 25 | 13 | 24 | 62 | 10 | 107 | 20 | 137 | 39 | 26 | 9 | 74 | 19 | 86 | 12 | 117 | 390 |
| 08:30 AM | 22 | 34 | 32 | 88 | 19 | 109 | 12 | 140 | 29 | 18 | 8 | 55 | 18 | 102 | 16 | 136 | 419 |
| 08:45 AM | 11 | 19 | 21 | 51 | 11 | 121 | 9 | 141 | 26 | 8 | 19 | 53 | 25 | 100 | 19 | 144 | 389 |
| Total | 82 | 76 | 95 | 253 | 49 | 434 | 59 | 542 | 126 | 69 | 54 | 249 | 81 | 387 | 61 | 529 | 1573 |
| Grand Total | 159 | 178 | 193 | 530 | 122 | 910 | 134 | 1166 | 251 | 129 | 135 | 515 | 123 | 740 | 102 | 965 | 3176 |
| Apprch % | 30 | 33.6 | 36.4 | | 10.5 | 78 | 11.5 | | 48.7 | 25 | 26.2 | | 12.7 | 76.7 | 10.6 | | |
| Total % | 5 | 5.6 | 6.1 | 16.7 | 3.8 | 28.7 | 4.2 | 36.7 | 7.9 | 4.1 | 4.3 | 16.2 | 3.9 | 23.3 | 3.2 | 30.4 | |

| | Menifee Road Southbound | | | | Scott Road Westbound | | | | Menifee Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 10 | 16 | 25 | 51 | 17 | **130** | 20 | 167 | 29 | 10 | 8 | 47 | 11 | 92 | 8 | 111 | 376 |
| 07:15 AM | 13 | 23 | 22 | 58 | **29** | 126 | **29** | **184** | 24 | 12 | 11 | 47 | **13** | 80 | 13 | 106 | 395 |
| 07:30 AM | **28** | 29 | **26** | 83 | 14 | 120 | 18 | 152 | 34 | **22** | **37** | **93** | 8 | 79 | 6 | 93 | **421** |
| 07:45 AM | 26 | **34** | 25 | **85** | 13 | 100 | 8 | 121 | **38** | 16 | 25 | 79 | 10 | **102** | **14** | **126** | 411 |
| Total Volume | 77 | 102 | 98 | 277 | 73 | 476 | 75 | 624 | 125 | 60 | 81 | 266 | 42 | 353 | 41 | 436 | 1603 |
| % App. Total | 27.8 | 36.8 | 35.4 | | 11.7 | 76.3 | 12 | | 47 | 22.6 | 30.5 | | 9.6 | 81 | 9.4 | | |
| PHF | .688 | .750 | .942 | .815 | .629 | .915 | .647 | .848 | .822 | .682 | .547 | .715 | .808 | .865 | .732 | .865 | .952 |

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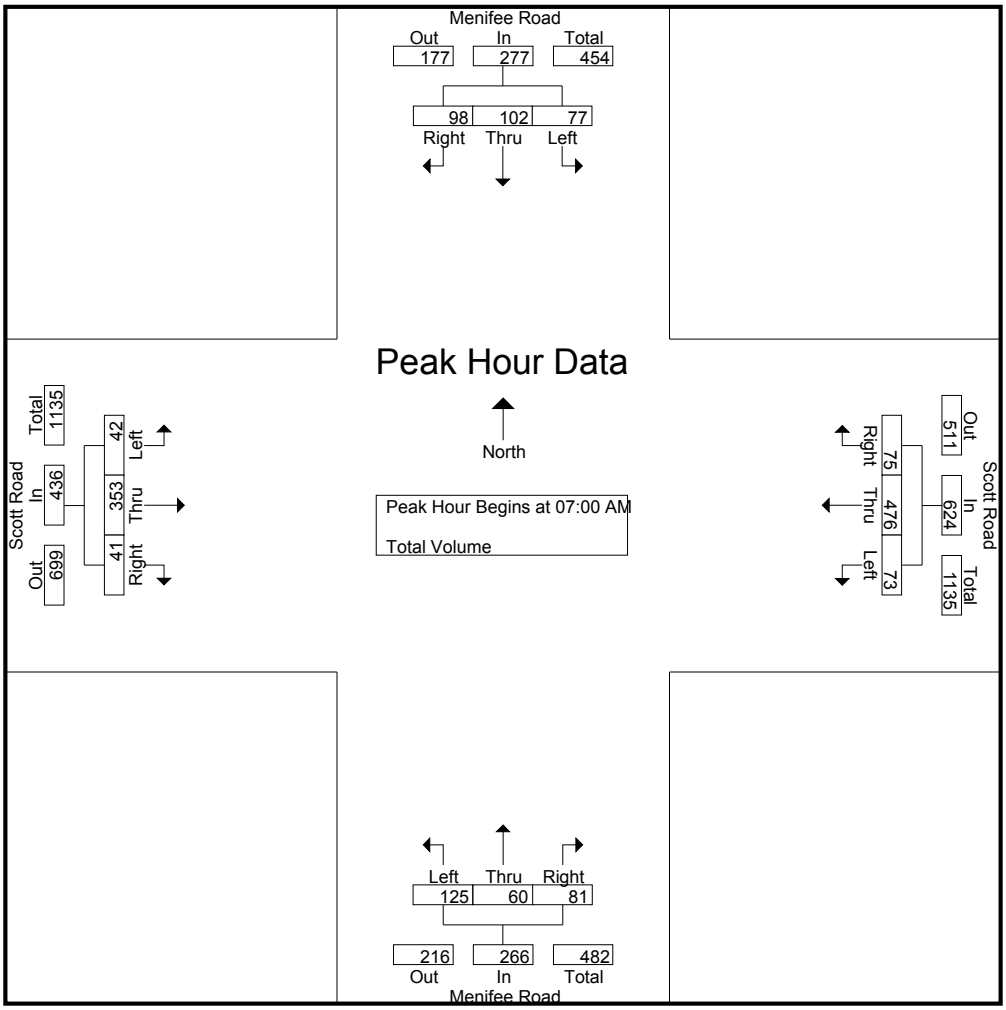
City of Menifee
N/S: Menifee Road
E/W: Scott Road
Weather: Clear

File Name : MENMESCAM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:45 AM | | | | 07:00 AM | | | | 07:30 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **26** | **34** | 25 | 85 | 17 | **130** | 20 | 167 | 34 | 22 | **37** | **93** | 19 | 99 | 14 | 132 |
| +15 mins. | 24 | 10 | 18 | 52 | **29** | 126 | **29** | **184** | 38 | 16 | 25 | 79 | 19 | 86 | 12 | 117 |
| +30 mins. | 25 | 13 | 24 | 62 | 14 | 120 | 18 | 152 | 32 | 17 | 18 | 67 | 18 | **102** | 16 | 136 |
| +45 mins. | 22 | 34 | **32** | **88** | 13 | 100 | 8 | 121 | **39** | **26** | 9 | 74 | **25** | 100 | **19** | **144** |
| Total Volume | 97 | 91 | 99 | 287 | 73 | 476 | 75 | 624 | 143 | 81 | 89 | 313 | 81 | 387 | 61 | 529 |
| % App. Total | 33.8 | 31.7 | 34.5 | | 11.7 | 76.3 | 12 | | 45.7 | 25.9 | 28.4 | | 15.3 | 73.2 | 11.5 | |
| PHF | .933 | .669 | .773 | .815 | .629 | .915 | .647 | .848 | .917 | .779 | .601 | .841 | .810 | .949 | .803 | .918 |

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City of Menifee
N/S: Menifee Road
E/W: Scott Road
Weather: Clear

File Name : MENMESCPM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Menifee Road Southbound | | | | Scott Road Westbound | | | | Menifee Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 26 | 18 | 23 | 67 | 12 | 113 | 17 | 142 | 22 | 15 | 11 | 48 | 43 | 141 | 26 | 210 | 467 |
| 04:15 PM | 20 | 11 | 19 | 50 | 7 | 83 | 22 | 112 | 32 | 16 | 12 | 60 | 42 | 131 | 41 | 214 | 436 |
| 04:30 PM | 16 | 13 | 25 | 54 | 13 | 112 | 18 | 143 | 34 | 14 | 14 | 62 | 45 | 133 | 35 | 213 | 472 |
| 04:45 PM | 8 | 7 | 27 | 42 | 11 | 131 | 14 | 156 | 20 | 11 | 14 | 45 | 30 | 128 | 50 | 208 | 451 |
| Total | 70 | 49 | 94 | 213 | 43 | 439 | 71 | 553 | 108 | 56 | 51 | 215 | 160 | 533 | 152 | 845 | 1826 |
| 05:00 PM | 8 | 13 | 17 | 38 | 10 | 112 | 28 | 150 | 23 | 13 | 3 | 39 | 45 | 151 | 50 | 246 | 473 |
| 05:15 PM | 13 | 10 | 15 | 38 | 11 | 118 | 20 | 149 | 26 | 16 | 19 | 61 | 44 | 140 | 47 | 231 | 479 |
| 05:30 PM | 13 | 14 | 16 | 43 | 22 | 115 | 23 | 160 | 37 | 17 | 11 | 65 | 50 | 144 | 39 | 233 | 501 |
| 05:45 PM | 12 | 15 | 20 | 47 | 3 | 109 | 16 | 128 | 23 | 14 | 15 | 52 | 40 | 158 | 39 | 237 | 464 |
| Total | 46 | 52 | 68 | 166 | 46 | 454 | 87 | 587 | 109 | 60 | 48 | 217 | 179 | 593 | 175 | 947 | 1917 |
| Grand Total | 116 | 101 | 162 | 379 | 89 | 893 | 158 | 1140 | 217 | 116 | 99 | 432 | 339 | 1126 | 327 | 1792 | 3743 |
| Apprch % | 30.6 | 26.6 | 42.7 | | 7.8 | 78.3 | 13.9 | | 50.2 | 26.9 | 22.9 | | 18.9 | 62.8 | 18.2 | | |
| Total % | 3.1 | 2.7 | 4.3 | 10.1 | 2.4 | 23.9 | 4.2 | 30.5 | 5.8 | 3.1 | 2.6 | 11.5 | 9.1 | 30.1 | 8.7 | 47.9 | |

| | Menifee Road Southbound | | | | Scott Road Westbound | | | | Menifee Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 8 | 13 | 17 | 38 | 10 | 112 | **28** | 150 | 23 | 13 | 3 | 39 | 45 | 151 | **50** | **246** | 473 |
| 05:15 PM | **13** | 10 | 15 | 38 | 11 | **118** | 20 | 149 | 26 | 16 | **19** | 61 | 44 | 140 | 47 | 231 | 479 |
| 05:30 PM | 13 | 14 | 16 | 43 | **22** | 115 | 23 | **160** | **37** | **17** | 11 | **65** | **50** | 144 | 39 | 233 | **501** |
| 05:45 PM | 12 | **15** | **20** | **47** | 3 | 109 | 16 | 128 | 23 | 14 | 15 | 52 | 40 | **158** | 39 | 237 | 464 |
| Total Volume | 46 | 52 | 68 | 166 | 46 | 454 | 87 | 587 | 109 | 60 | 48 | 217 | 179 | 593 | 175 | 947 | 1917 |
| % App. Total | 27.7 | 31.3 | 41 | | 7.8 | 77.3 | 14.8 | | 50.2 | 27.6 | 22.1 | | 18.9 | 62.6 | 18.5 | | |
| PHF | .885 | .867 | .850 | .883 | .523 | .962 | .777 | .917 | .736 | .882 | .632 | .835 | .895 | .938 | .875 | .962 | .957 |

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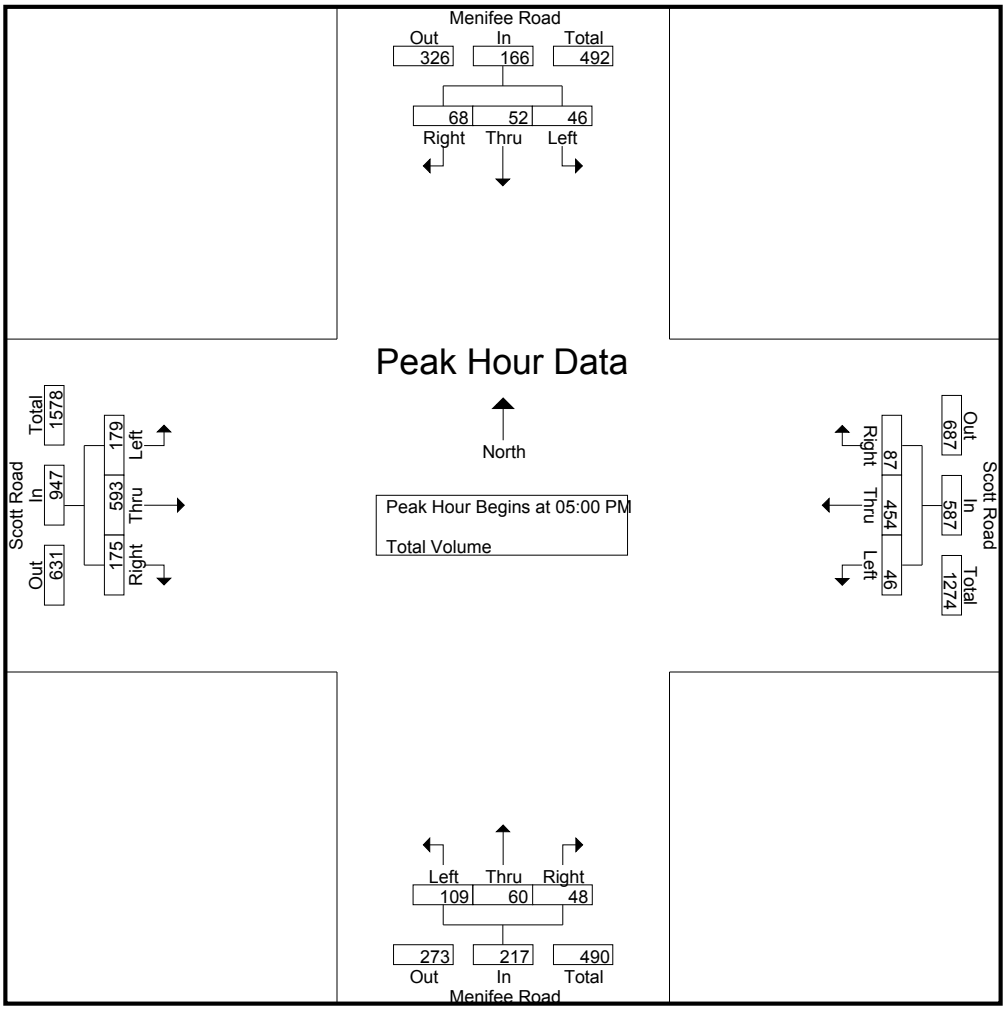
City of Menifee
N/S: Menifee Road
E/W: Scott Road
Weather: Clear

File Name : MENMESCPM
Site Code : 12152063
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:45 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **26** | **18** | 23 | **67** | 11 | **131** | 14 | 156 | 23 | 13 | 3 | 39 | 45 | 151 | **50** | **246** |
| +15 mins. | 20 | 11 | 19 | 50 | 10 | 112 | **28** | 150 | 26 | 16 | **19** | 61 | 44 | 140 | 47 | 231 |
| +30 mins. | 16 | 13 | 25 | 54 | 11 | 118 | 20 | 149 | **37** | **17** | 11 | **65** | **50** | 144 | 39 | 233 |
| +45 mins. | 8 | 7 | **27** | 42 | **22** | 115 | 23 | **160** | 23 | 14 | 15 | 52 | 40 | **158** | 39 | 237 |
| Total Volume | 70 | 49 | 94 | 213 | 54 | 476 | 85 | 615 | 109 | 60 | 48 | 217 | 179 | 593 | 175 | 947 |
| % App. Total | 32.9 | 23 | 44.1 | | 8.8 | 77.4 | 13.8 | | 50.2 | 27.6 | 22.1 | | 18.9 | 62.6 | 18.5 | |
| PHF | .673 | .681 | .870 | .795 | .614 | .908 | .759 | .961 | .736 | .882 | .632 | .835 | .895 | .938 | .875 | .962 |

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City of Menifee
N/S: Lindenberger Road
E/W: Newport Road
Weather: Clear

File Name : MENLINEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Lindenberger Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 07:00 AM | 5 | 51 | 56 | 194 | 1 | 195 | 26 | 111 | 137 | 388 |
| 07:15 AM | 8 | 57 | 65 | 191 | 2 | 193 | 37 | 124 | 161 | 419 |
| 07:30 AM | 9 | 63 | 72 | 189 | 1 | 190 | 48 | 147 | 195 | 457 |
| 07:45 AM | 9 | 57 | 66 | 174 | 3 | 177 | 33 | 154 | 187 | 430 |
| Total | 31 | 228 | 259 | 748 | 7 | 755 | 144 | 536 | 680 | 1694 |
| 08:00 AM | 7 | 37 | 44 | 167 | 6 | 173 | 29 | 153 | 182 | 399 |
| 08:15 AM | 11 | 46 | 57 | 158 | 4 | 162 | 41 | 140 | 181 | 400 |
| 08:30 AM | 7 | 41 | 48 | 161 | 5 | 166 | 32 | 149 | 181 | 395 |
| 08:45 AM | 8 | 27 | 35 | 179 | 5 | 184 | 29 | 122 | 151 | 370 |
| Total | 33 | 151 | 184 | 665 | 20 | 685 | 131 | 564 | 695 | 1564 |
| Grand Total | 64 | 379 | 443 | 1413 | 27 | 1440 | 275 | 1100 | 1375 | 3258 |
| Apprch % | 14.4 | 85.6 | | 98.1 | 1.9 | | 20 | 80 | | |
| Total % | 2 | 11.6 | 13.6 | 43.4 | 0.8 | 44.2 | 8.4 | 33.8 | 42.2 | |

| | Lindenberger Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:15 AM | | | | | | | | | | |
| 07:15 AM | 8 | 57 | 65 | **191** | 2 | **193** | 37 | 124 | 161 | 419 |
| 07:30 AM | **9** | **63** | **72** | 189 | 1 | 190 | **48** | 147 | **195** | **457** |
| 07:45 AM | 9 | 57 | 66 | 174 | 3 | 177 | 33 | **154** | 187 | 430 |
| 08:00 AM | 7 | 37 | 44 | 167 | **6** | 173 | 29 | 153 | 182 | 399 |
| Total Volume | 33 | 214 | 247 | 721 | 12 | 733 | 147 | 578 | 725 | 1705 |
| % App. Total | 13.4 | 86.6 | | 98.4 | 1.6 | | 20.3 | 79.7 | | |
| PHF | .917 | .849 | .858 | .944 | .500 | .949 | .766 | .938 | .929 | .933 |

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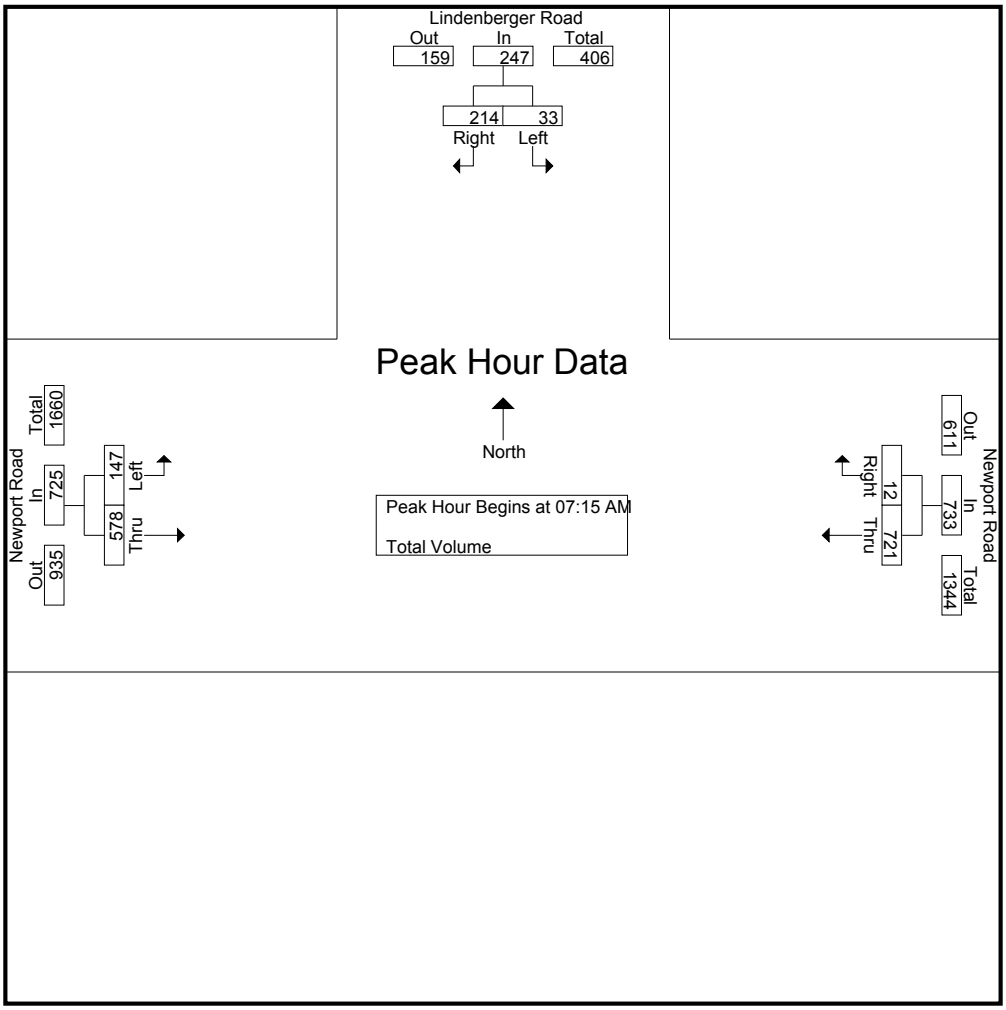
City of Menifee
N/S: Lindenberger Road
E/W: Newport Road
Weather: Clear

File Name : MENLINEAM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:00 AM | | | 07:00 AM | | | 07:30 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 5 | 51 | 56 | **194** | 1 | **195** | **48** | 147 | **195** |
| +15 mins. | 8 | 57 | 65 | 191 | 2 | 193 | 33 | **154** | 187 |
| +30 mins. | **9** | **63** | **72** | 189 | 1 | 190 | 29 | 153 | 182 |
| +45 mins. | 9 | 57 | 66 | 174 | **3** | 177 | 41 | 140 | 181 |
| Total Volume | 31 | 228 | 259 | 748 | 7 | 755 | 151 | 594 | 745 |
| % App. Total | 12 | 88 | | 99.1 | 0.9 | | 20.3 | 79.7 | |
| PHF | .861 | .905 | .899 | .964 | .583 | .968 | .786 | .964 | .955 |

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City of Menifee
N/S: Lindenberger Road
E/W: Newport Road
Weather: Clear

File Name : MENLINEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Lindenberger Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| 04:00 PM | 7 | 46 | 53 | 134 | 3 | 137 | 66 | 179 | 245 | 435 |
| 04:15 PM | 5 | 43 | 48 | 156 | 8 | 164 | 59 | 179 | 238 | 450 |
| 04:30 PM | 4 | 38 | 42 | 157 | 9 | 166 | 63 | 205 | 268 | 476 |
| 04:45 PM | 5 | 41 | 46 | 139 | 6 | 145 | 61 | 216 | 277 | 468 |
| Total | 21 | 168 | 189 | 586 | 26 | 612 | 249 | 779 | 1028 | 1829 |
| 05:00 PM | 5 | 33 | 38 | 148 | 11 | 159 | 72 | 183 | 255 | 452 |
| 05:15 PM | 8 | 42 | 50 | 172 | 5 | 177 | 76 | 195 | 271 | 498 |
| 05:30 PM | 4 | 40 | 44 | 159 | 7 | 166 | 59 | 176 | 235 | 445 |
| 05:45 PM | 5 | 46 | 51 | 153 | 6 | 159 | 72 | 168 | 240 | 450 |
| Total | 22 | 161 | 183 | 632 | 29 | 661 | 279 | 722 | 1001 | 1845 |
| Grand Total | 43 | 329 | 372 | 1218 | 55 | 1273 | 528 | 1501 | 2029 | 3674 |
| Apprch % | 11.6 | 88.4 | | 95.7 | 4.3 | | 26 | 74 | | |
| Total % | 1.2 | 9 | 10.1 | 33.2 | 1.5 | 34.6 | 14.4 | 40.9 | 55.2 | |

| | Lindenberger Road Southbound | | | Newport Road Westbound | | | Newport Road Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Right | App. Total | Thru | Right | App. Total | Left | Thru | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | |
| 04:30 PM | 4 | 38 | 42 | 157 | 9 | 166 | 63 | 205 | 268 | 476 |
| 04:45 PM | 5 | 41 | 46 | 139 | 6 | 145 | 61 | **216** | **277** | 468 |
| 05:00 PM | 5 | 33 | 38 | 148 | **11** | 159 | 72 | 183 | 255 | 452 |
| 05:15 PM | **8** | **42** | **50** | **172** | 5 | **177** | **76** | 195 | 271 | **498** |
| Total Volume | 22 | 154 | 176 | 616 | 31 | 647 | 272 | 799 | 1071 | 1894 |
| % App. Total | 12.5 | 87.5 | | 95.2 | 4.8 | | 25.4 | 74.6 | | |
| PHF | .688 | .917 | .880 | .895 | .705 | .914 | .895 | .925 | .967 | .951 |

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Corona, CA 92878
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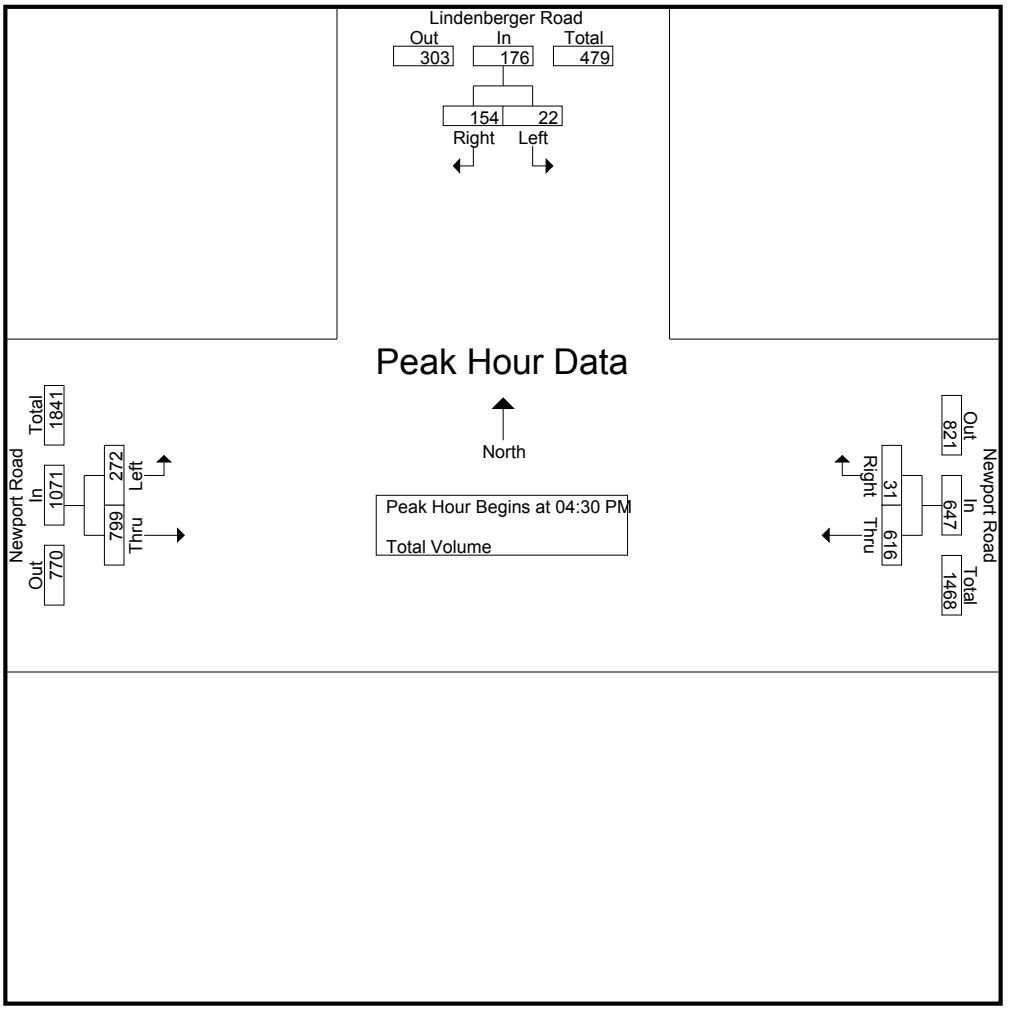
City of Menifee
N/S: Lindenberger Road
E/W: Newport Road
Weather: Clear

File Name : MENLINEPM
Site Code : 00000028
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | 05:00 PM | | | 04:30 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **7** | **46** | **53** | 148 | **11** | 159 | 63 | 205 | 268 |
| +15 mins. | 5 | 43 | 48 | **172** | 5 | **177** | 61 | **216** | **277** |
| +30 mins. | 4 | 38 | 42 | 159 | 7 | 166 | 72 | 183 | 255 |
| +45 mins. | 5 | 41 | 46 | 153 | 6 | 159 | **76** | 195 | 271 |
| Total Volume | 21 | 168 | 189 | 632 | 29 | 661 | 272 | 799 | 1071 |
| % App. Total | 11.1 | 88.9 | | 95.6 | 4.4 | | 25.4 | 74.6 | |
| PHF | .750 | .913 | .892 | .919 | .659 | .934 | .895 | .925 | .967 |

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Corona, CA 92878
(951) 268-6268

City of Menifee
N/S: Briggs Road
E/W: SR-74
Weather: Clear

File Name : MENBR74AM
Site Code : 00000015
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Briggs Road Southbound | | | | SR-74 Westbound | | | | Briggs Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 29 | 20 | 55 | 24 | 257 | 3 | 284 | 73 | 22 | 15 | 110 | 15 | 113 | 124 | 252 | 701 |
| 07:15 AM | 19 | 34 | 13 | 66 | 41 | 217 | 9 | 267 | 89 | 34 | 28 | 151 | 53 | 139 | 169 | 361 | 845 |
| 07:30 AM | 56 | 44 | 20 | 120 | 77 | 145 | 24 | 246 | 104 | 38 | 33 | 175 | 45 | 138 | 159 | 342 | 883 |
| 07:45 AM | 80 | 21 | 27 | 128 | 10 | 218 | 61 | 289 | 85 | 36 | 25 | 146 | 13 | 167 | 42 | 222 | 785 |
| Total | 161 | 128 | 80 | 369 | 152 | 837 | 97 | 1086 | 351 | 130 | 101 | 582 | 126 | 557 | 494 | 1177 | 3214 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 54 | 3 | 19 | 76 | 6 | 173 | 15 | 194 | 26 | 5 | 7 | 38 | 17 | 149 | 32 | 198 | 506 |
| 08:15 AM | 19 | 3 | 12 | 34 | 2 | 188 | 8 | 198 | 13 | 4 | 4 | 21 | 10 | 141 | 12 | 163 | 416 |
| 08:30 AM | 18 | 10 | 20 | 48 | 4 | 176 | 9 | 189 | 16 | 6 | 4 | 26 | 6 | 131 | 20 | 157 | 420 |
| 08:45 AM | 8 | 7 | 7 | 22 | 7 | 197 | 4 | 208 | 11 | 5 | 7 | 23 | 8 | 146 | 16 | 170 | 423 |
| Total | 99 | 23 | 58 | 180 | 19 | 734 | 36 | 789 | 66 | 20 | 22 | 108 | 41 | 567 | 80 | 688 | 1765 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 260 | 151 | 138 | 549 | 171 | 1571 | 133 | 1875 | 417 | 150 | 123 | 690 | 167 | 1124 | 574 | 1865 | 4979 |
| Apprch % | 47.4 | 27.5 | 25.1 | | 9.1 | 83.8 | 7.1 | | 60.4 | 21.7 | 17.8 | | 9 | 60.3 | 30.8 | | |
| Total % | 5.2 | 3 | 2.8 | 11 | 3.4 | 31.6 | 2.7 | 37.7 | 8.4 | 3 | 2.5 | 13.9 | 3.4 | 22.6 | 11.5 | 37.5 | |

| | Briggs Road Southbound | | | | SR-74 Westbound | | | | Briggs Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 6 | 29 | 20 | 55 | 24 | **257** | 3 | 284 | 73 | 22 | 15 | 110 | 15 | 113 | 124 | 252 | 701 |
| 07:15 AM | 19 | 34 | 13 | 66 | 41 | 217 | 9 | 267 | 89 | 34 | 28 | 151 | **53** | 139 | **169** | **361** | 845 |
| 07:30 AM | 56 | **44** | 20 | 120 | **77** | 145 | 24 | 246 | **104** | **38** | **33** | **175** | 45 | 138 | 159 | 342 | **883** |
| 07:45 AM | **80** | 21 | **27** | **128** | 10 | 218 | **61** | **289** | 85 | 36 | 25 | 146 | 13 | **167** | 42 | 222 | 785 |
| Total Volume | 161 | 128 | 80 | 369 | 152 | 837 | 97 | 1086 | 351 | 130 | 101 | 582 | 126 | 557 | 494 | 1177 | 3214 |
| % App. Total | 43.6 | 34.7 | 21.7 | | 14 | 77.1 | 8.9 | | 60.3 | 22.3 | 17.4 | | 10.7 | 47.3 | 42 | | |
| PHF | .503 | .727 | .741 | .721 | .494 | .814 | .398 | .939 | .844 | .855 | .765 | .831 | .594 | .834 | .731 | .815 | .910 |

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File Name : MENBR74AM
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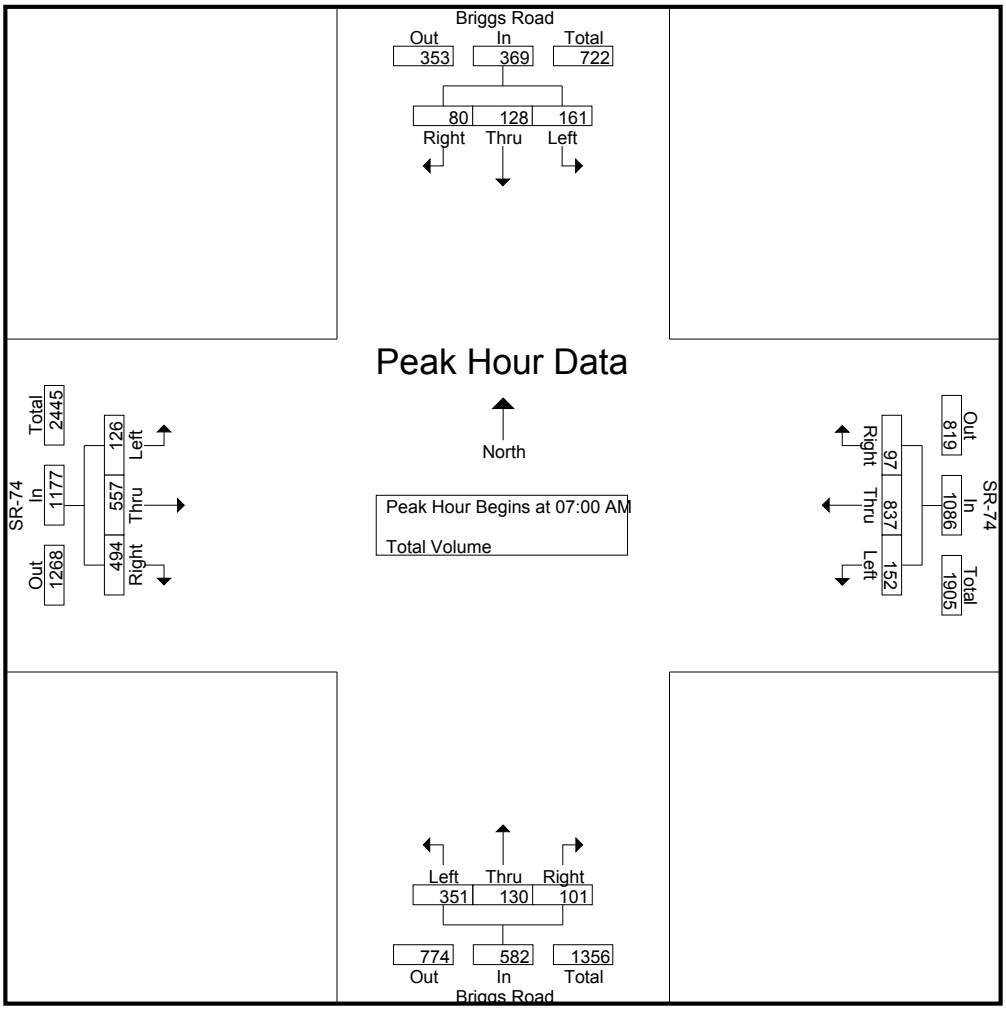
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:00 AM | | | | 07:00 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 19 | 34 | 13 | 66 | 24 | **257** | 3 | 284 | 73 | 22 | 15 | 110 | 15 | 113 | 124 | 252 |
| +15 mins. | 56 | **44** | 20 | 120 | 41 | 217 | 9 | 267 | 89 | 34 | 28 | 151 | **53** | 139 | **169** | **361** |
| +30 mins. | **80** | 21 | **27** | **128** | **77** | 145 | 24 | 246 | **104** | **38** | **33** | **175** | 45 | 138 | 159 | 342 |
| +45 mins. | 54 | 3 | 19 | 76 | 10 | 218 | **61** | **289** | 85 | 36 | 25 | 146 | 13 | **167** | 42 | 222 |
| Total Volume | 209 | 102 | 79 | 390 | 152 | 837 | 97 | 1086 | 351 | 130 | 101 | 582 | 126 | 557 | 494 | 1177 |
| % App. Total | 53.6 | 26.2 | 20.3 | | 14 | 77.1 | 8.9 | | 60.3 | 22.3 | 17.4 | | 10.7 | 47.3 | 42 | |
| PHF | .653 | .580 | .731 | .762 | .494 | .814 | .398 | .939 | .844 | .855 | .765 | .831 | .594 | .834 | .731 | .815 |

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File Name : MENBR74PM
Site Code : 00000015
Start Date : 5/23/2012
Page No : 1

Groups Printed- Total Volume

| | Briggs Road Southbound | | | | SR-74 Westbound | | | | Briggs Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 26 | 4 | 17 | 47 | 6 | 190 | 12 | 208 | 19 | 6 | 6 | 31 | 17 | 231 | 15 | 263 | 549 |
| 04:15 PM | 14 | 5 | 14 | 33 | 10 | 181 | 5 | 196 | 31 | 9 | 9 | 49 | 12 | 299 | 30 | 341 | 619 |
| 04:30 PM | 30 | 4 | 17 | 51 | 6 | 163 | 4 | 173 | 14 | 1 | 2 | 17 | 14 | 303 | 21 | 338 | 579 |
| 04:45 PM | 10 | 6 | 18 | 34 | 9 | 194 | 7 | 210 | 16 | 9 | 12 | 37 | 18 | 275 | 35 | 328 | 609 |
| Total | 80 | 19 | 66 | 165 | 31 | 728 | 28 | 787 | 80 | 25 | 29 | 134 | 61 | 1108 | 101 | 1270 | 2356 |
| 05:00 PM | 10 | 11 | 12 | 33 | 12 | 190 | 12 | 214 | 52 | 15 | 17 | 84 | 9 | 286 | 41 | 336 | 667 |
| 05:15 PM | 22 | 7 | 12 | 41 | 13 | 243 | 9 | 265 | 35 | 15 | 10 | 60 | 19 | 285 | 58 | 362 | 728 |
| 05:30 PM | 13 | 11 | 14 | 38 | 9 | 158 | 9 | 176 | 27 | 7 | 7 | 41 | 21 | 211 | 31 | 263 | 518 |
| 05:45 PM | 9 | 4 | 8 | 21 | 7 | 182 | 16 | 205 | 14 | 2 | 5 | 21 | 16 | 284 | 36 | 336 | 583 |
| Total | 54 | 33 | 46 | 133 | 41 | 773 | 46 | 860 | 128 | 39 | 39 | 206 | 65 | 1066 | 166 | 1297 | 2496 |
| Grand Total | 134 | 52 | 112 | 298 | 72 | 1501 | 74 | 1647 | 208 | 64 | 68 | 340 | 126 | 2174 | 267 | 2567 | 4852 |
| Apprch % | 45 | 17.4 | 37.6 | | 4.4 | 91.1 | 4.5 | | 61.2 | 18.8 | 20 | | 4.9 | 84.7 | 10.4 | | |
| Total % | 2.8 | 1.1 | 2.3 | 6.1 | 1.5 | 30.9 | 1.5 | 33.9 | 4.3 | 1.3 | 1.4 | 7 | 2.6 | 44.8 | 5.5 | 52.9 | |

| | Briggs Road Southbound | | | | SR-74 Westbound | | | | Briggs Road Northbound | | | | SR-74 Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:30 PM | | | | | | | | | | | | | | | | | |
| 04:30 PM | **30** | 4 | 17 | **51** | 6 | 163 | 4 | 173 | 14 | 1 | 2 | 17 | 14 | **303** | 21 | 338 | 579 |
| 04:45 PM | 10 | 6 | **18** | 34 | 9 | 194 | 7 | 210 | 16 | 9 | 12 | 37 | 18 | 275 | 35 | 328 | 609 |
| 05:00 PM | 10 | **11** | 12 | 33 | 12 | 190 | **12** | 214 | **52** | **15** | **17** | **84** | 9 | 286 | 41 | 336 | 667 |
| 05:15 PM | 22 | 7 | 12 | 41 | **13** | **243** | 9 | **265** | 35 | 15 | 10 | 60 | **19** | 285 | **58** | **362** | **728** |
| Total Volume | 72 | 28 | 59 | 159 | 40 | 790 | 32 | 862 | 117 | 40 | 41 | 198 | 60 | 1149 | 155 | 1364 | 2583 |
| % App. Total | 45.3 | 17.6 | 37.1 | | 4.6 | 91.6 | 3.7 | | 59.1 | 20.2 | 20.7 | | 4.4 | 84.2 | 11.4 | | |
| PHF | .600 | .636 | .819 | .779 | .769 | .813 | .667 | .813 | .563 | .667 | .603 | .589 | .789 | .948 | .668 | .942 | .887 |

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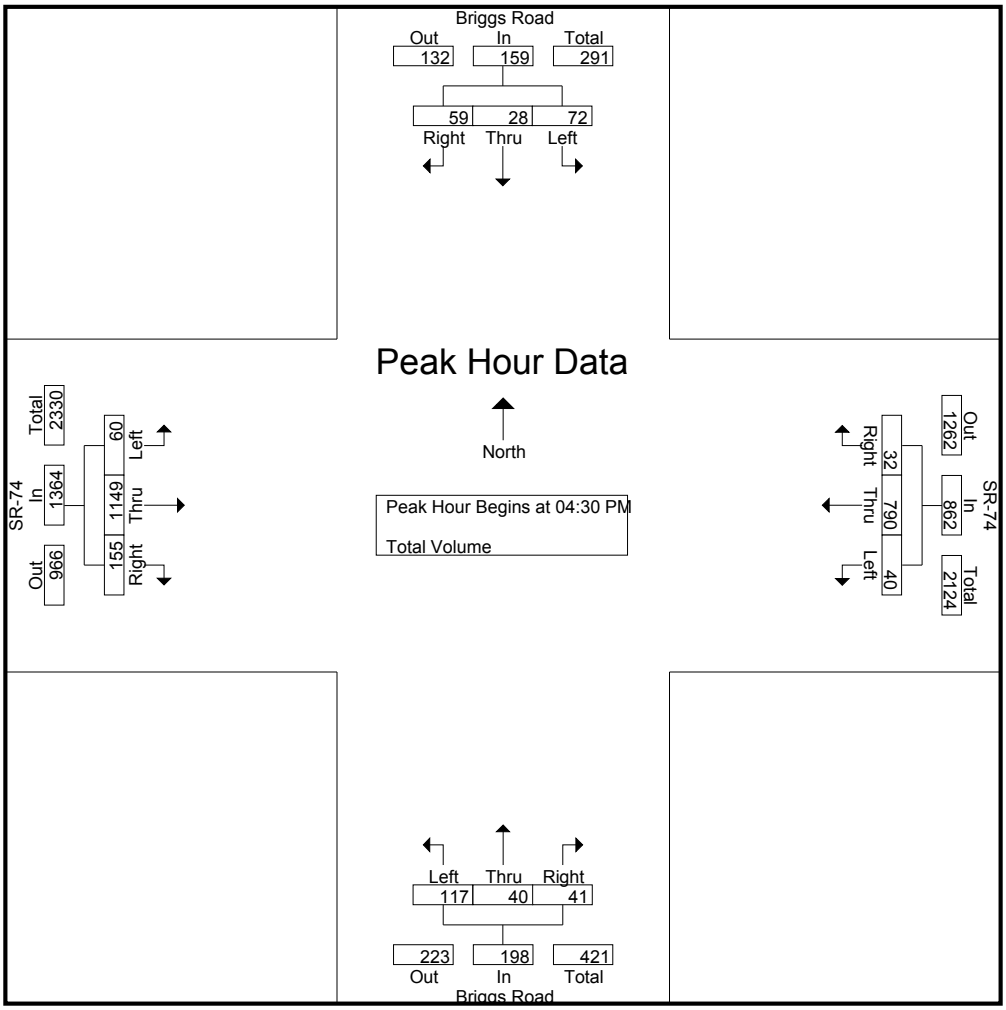
File Name : MENBR74PM
Site Code : 00000015
Start Date : 5/23/2012
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:45 PM | | | | 04:45 PM | | | | 04:30 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 26 | 4 | 17 | 47 | 9 | 194 | 7 | 210 | 16 | 9 | 12 | 37 | 14 | **303** | 21 | 338 |
| +15 mins. | 14 | 5 | 14 | 33 | 12 | 190 | **12** | 214 | **52** | **15** | **17** | **84** | 18 | 275 | 35 | 328 |
| +30 mins. | **30** | 4 | 17 | **51** | **13** | **243** | 9 | **265** | 35 | 15 | 10 | 60 | 9 | 286 | 41 | 336 |
| +45 mins. | 10 | **6** | **18** | 34 | 9 | 158 | 9 | 176 | 27 | 7 | 7 | 41 | **19** | 285 | **58** | **362** |
| Total Volume | 80 | 19 | 66 | 165 | 43 | 785 | 37 | 865 | 130 | 46 | 46 | 222 | 60 | 1149 | 155 | 1364 |
| % App. Total | 48.5 | 11.5 | 40 | | 5 | 90.8 | 4.3 | | 58.6 | 20.7 | 20.7 | | 4.4 | 84.2 | 11.4 | |
| PHF | .667 | .792 | .917 | .809 | .827 | .808 | .771 | .816 | .625 | .767 | .676 | .661 | .789 | .948 | .668 | .942 |

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City of Menifee
N/S: Briggs Road
E/W: Scott Road
Weather: Clear

File Name : MENBRSCAM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Briggs Road Southbound | | | | Scott Road Westbound | | | | Briggs Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 1 | 7 | 8 | 0 | 130 | 0 | 130 | 8 | 1 | 0 | 9 | 3 | 98 | 8 | 109 | 256 |
| 07:15 AM | 1 | 2 | 10 | 13 | 0 | 118 | 0 | 118 | 9 | 0 | 0 | 9 | 0 | 91 | 7 | 98 | 238 |
| 07:30 AM | 2 | 2 | 4 | 8 | 1 | 118 | 1 | 120 | 6 | 0 | 1 | 7 | 6 | 115 | 9 | 130 | 265 |
| 07:45 AM | 1 | 0 | 6 | 7 | 1 | 74 | 0 | 75 | 6 | 0 | 1 | 7 | 3 | 136 | 16 | 155 | 244 |
| Total | 4 | 5 | 27 | 36 | 2 | 440 | 1 | 443 | 29 | 1 | 2 | 32 | 12 | 440 | 40 | 492 | 1003 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 1 | 1 | 7 | 9 | 4 | 84 | 0 | 88 | 6 | 0 | 2 | 8 | 5 | 96 | 36 | 137 | 242 |
| 08:15 AM | 0 | 0 | 3 | 3 | 0 | 93 | 4 | 97 | 12 | 1 | 0 | 13 | 1 | 94 | 15 | 110 | 223 |
| 08:30 AM | 1 | 1 | 6 | 8 | 0 | 80 | 3 | 83 | 13 | 0 | 0 | 13 | 1 | 111 | 11 | 123 | 227 |
| 08:45 AM | 0 | 0 | 3 | 3 | 2 | 94 | 0 | 96 | 18 | 1 | 0 | 19 | 5 | 100 | 15 | 120 | 238 |
| Total | 2 | 2 | 19 | 23 | 6 | 351 | 7 | 364 | 49 | 2 | 2 | 53 | 12 | 401 | 77 | 490 | 930 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 6 | 7 | 46 | 59 | 8 | 791 | 8 | 807 | 78 | 3 | 4 | 85 | 24 | 841 | 117 | 982 | 1933 |
| Apprch % | 10.2 | 11.9 | 78 | | 1 | 98 | 1 | | 91.8 | 3.5 | 4.7 | | 2.4 | 85.6 | 11.9 | | |
| Total % | 0.3 | 0.4 | 2.4 | 3.1 | 0.4 | 40.9 | 0.4 | 41.7 | 4 | 0.2 | 0.2 | 4.4 | 1.2 | 43.5 | 6.1 | 50.8 | |

| | Briggs Road Southbound | | | | Scott Road Westbound | | | | Briggs Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 0 | 1 | 7 | 8 | 0 | **130** | 0 | **130** | 8 | **1** | 0 | **9** | 3 | 98 | 8 | 109 | 256 |
| 07:15 AM | 1 | **2** | **10** | **13** | 0 | 118 | 0 | 118 | **9** | 0 | 0 | 9 | 0 | 91 | 7 | 98 | 238 |
| 07:30 AM | **2** | 2 | 4 | 8 | **1** | 118 | **1** | 120 | 6 | 0 | **1** | 7 | **6** | 115 | 9 | 130 | **265** |
| 07:45 AM | 1 | 0 | 6 | 7 | 1 | 74 | 0 | 75 | 6 | 0 | 1 | 7 | 3 | **136** | **16** | **155** | 244 |
| Total Volume | 4 | 5 | 27 | 36 | 2 | 440 | 1 | 443 | 29 | 1 | 2 | 32 | 12 | 440 | 40 | 492 | 1003 |
| % App. Total | 11.1 | 13.9 | 75 | | 0.5 | 99.3 | 0.2 | | 90.6 | 3.1 | 6.2 | | 2.4 | 89.4 | 8.1 | | |
| PHF | .500 | .625 | .675 | .692 | .500 | .846 | .250 | .852 | .806 | .250 | .500 | .889 | .500 | .809 | .625 | .794 | .946 |

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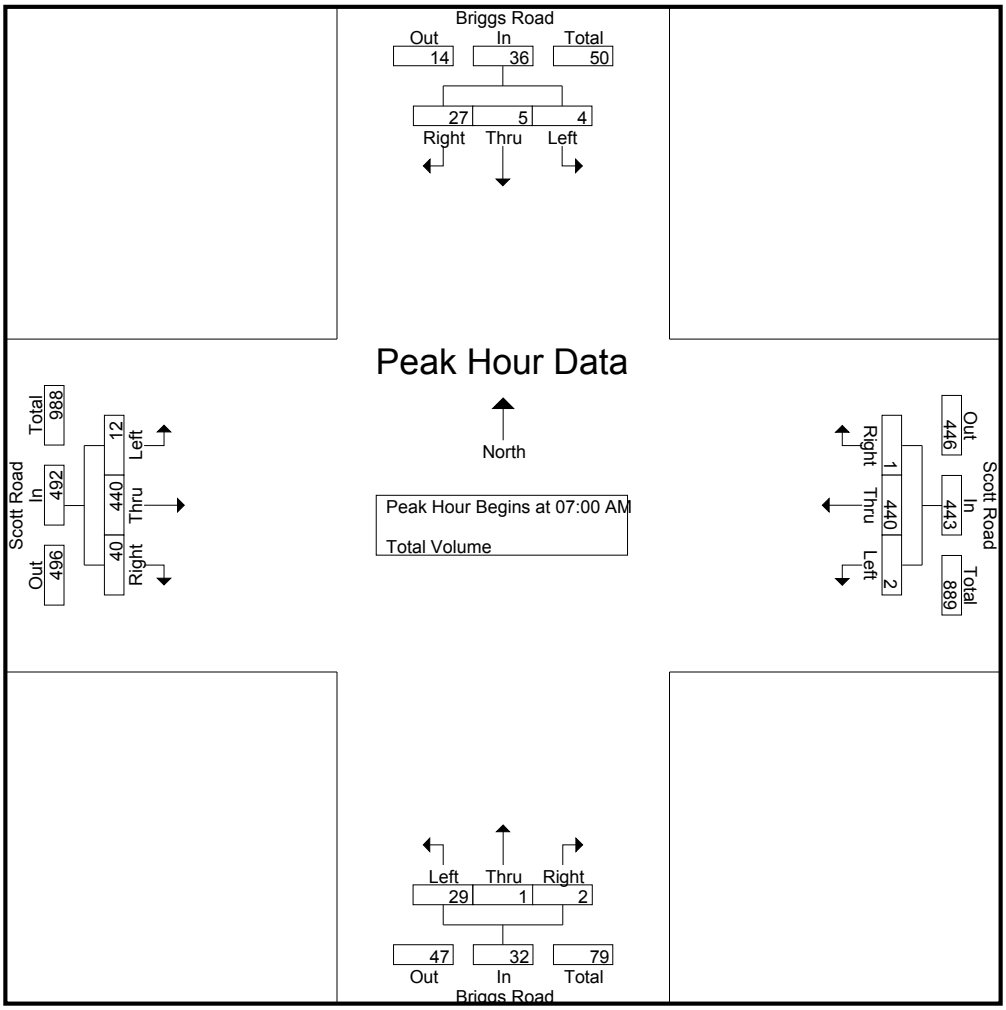
File Name : MENBRSCAM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 07:15 AM | | | | 07:00 AM | | | | 08:00 AM | | | | 07:30 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | **2** | **10** | **13** | 0 | **130** | 0 | **130** | 6 | 0 | **2** | 8 | **6** | 115 | 9 | 130 |
| +15 mins. | **2** | 2 | 4 | 8 | 0 | 118 | 0 | 118 | 12 | **1** | 0 | 13 | 3 | **136** | 16 | **155** |
| +30 mins. | 1 | 0 | 6 | 7 | **1** | 118 | **1** | 120 | 13 | 0 | 0 | 13 | 5 | 96 | **36** | 137 |
| +45 mins. | 1 | 1 | 7 | 9 | 1 | 74 | 0 | 75 | **18** | 1 | 0 | **19** | 1 | 94 | 15 | 110 |
| Total Volume | 5 | 5 | 27 | 37 | 2 | 440 | 1 | 443 | 49 | 2 | 2 | 53 | 15 | 441 | 76 | 532 |
| % App. Total | 13.5 | 13.5 | 73 | | 0.5 | 99.3 | 0.2 | | 92.5 | 3.8 | 3.8 | | 2.8 | 82.9 | 14.3 | |
| PHF | .625 | .625 | .675 | .712 | .500 | .846 | .250 | .852 | .681 | .500 | .250 | .697 | .625 | .811 | .528 | .858 |

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File Name : MENBRSCPM
Site Code : 00000035
Start Date : 5/24/2012
Page No : 1

Groups Printed- Total Volume

| | Briggs Road Southbound | | | | Scott Road Westbound | | | | Briggs Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 1 | 0 | 2 | 3 | 1 | 116 | 2 | 119 | 7 | 1 | 0 | 8 | 4 | 137 | 7 | 148 | 278 |
| 04:15 PM | 0 | 1 | 7 | 8 | 0 | 92 | 4 | 96 | 6 | 1 | 1 | 8 | 8 | 110 | 13 | 131 | 243 |
| 04:30 PM | 4 | 0 | 4 | 8 | 0 | 121 | 1 | 122 | 7 | 1 | 0 | 8 | 13 | 114 | 11 | 138 | 276 |
| 04:45 PM | 2 | 1 | 6 | 9 | 1 | 112 | 0 | 113 | 6 | 0 | 0 | 6 | 4 | 113 | 8 | 125 | 253 |
| Total | 7 | 2 | 19 | 28 | 2 | 441 | 7 | 450 | 26 | 3 | 1 | 30 | 29 | 474 | 39 | 542 | 1050 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 1 | 0 | 2 | 3 | 1 | 123 | 0 | 124 | 8 | 0 | 0 | 8 | 8 | 124 | 6 | 138 | 273 |
| 05:15 PM | 1 | 0 | 6 | 7 | 0 | 119 | 1 | 120 | 7 | 1 | 1 | 9 | 3 | 130 | 7 | 140 | 276 |
| 05:30 PM | 2 | 0 | 5 | 7 | 0 | 136 | 1 | 137 | 2 | 1 | 0 | 3 | 5 | 125 | 9 | 139 | 286 |
| 05:45 PM | 1 | 1 | 4 | 6 | 1 | 93 | 0 | 94 | 9 | 0 | 0 | 9 | 11 | 132 | 9 | 152 | 261 |
| Total | 5 | 1 | 17 | 23 | 2 | 471 | 2 | 475 | 26 | 2 | 1 | 29 | 27 | 511 | 31 | 569 | 1096 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 12 | 3 | 36 | 51 | 4 | 912 | 9 | 925 | 52 | 5 | 2 | 59 | 56 | 985 | 70 | 1111 | 2146 |
| Apprch % | 23.5 | 5.9 | 70.6 | | 0.4 | 98.6 | 1 | | 88.1 | 8.5 | 3.4 | | 5 | 88.7 | 6.3 | | |
| Total % | 0.6 | 0.1 | 1.7 | 2.4 | 0.2 | 42.5 | 0.4 | 43.1 | 2.4 | 0.2 | 0.1 | 2.7 | 2.6 | 45.9 | 3.3 | 51.8 | |

| | Briggs Road Southbound | | | | Scott Road Westbound | | | | Briggs Road Northbound | | | | Scott Road Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 1 | 0 | 2 | 3 | **1** | 123 | 0 | 124 | 8 | 0 | 0 | 8 | 8 | 124 | 6 | 138 | 273 |
| 05:15 PM | 1 | 0 | **6** | **7** | 0 | 119 | **1** | 120 | 7 | **1** | **1** | **9** | 3 | 130 | 7 | 140 | 276 |
| 05:30 PM | **2** | 0 | 5 | 7 | 0 | **136** | 1 | **137** | 2 | 1 | 0 | 3 | 5 | 125 | **9** | 139 | **286** |
| 05:45 PM | 1 | **1** | 4 | 6 | 1 | 93 | 0 | 94 | **9** | 0 | 0 | 9 | **11** | **132** | 9 | **152** | 261 |
| Total Volume | 5 | 1 | 17 | 23 | 2 | 471 | 2 | 475 | 26 | 2 | 1 | 29 | 27 | 511 | 31 | 569 | 1096 |
| % App. Total | 21.7 | 4.3 | 73.9 | | 0.4 | 99.2 | 0.4 | | 89.7 | 6.9 | 3.4 | | 4.7 | 89.8 | 5.4 | | |
| PHF | .625 | .250 | .708 | .821 | .500 | .866 | .500 | .867 | .722 | .500 | .250 | .806 | .614 | .968 | .861 | .936 | .958 |

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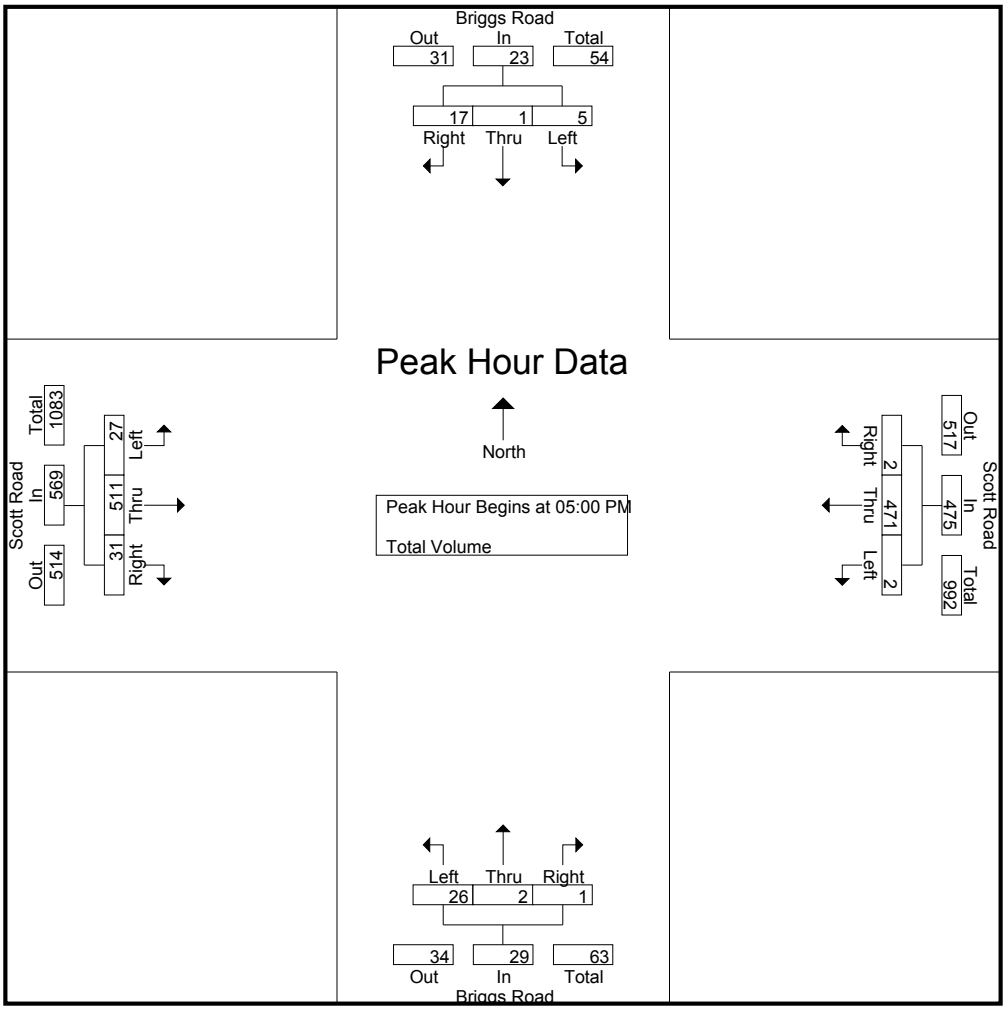


Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

| | 04:00 PM | | | | 04:45 PM | | | | 04:30 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 1 | 0 | 2 | 3 | **1** | 112 | 0 | 113 | 7 | **1** | 0 | 8 | 8 | 124 | 6 | 138 |
| +15 mins. | 0 | **1** | **7** | 8 | 1 | 123 | 0 | 124 | 6 | 0 | 0 | 6 | 3 | 130 | 7 | 140 |
| +30 mins. | **4** | 0 | 4 | 8 | 0 | 119 | **1** | 120 | **8** | 0 | 0 | 8 | 5 | 125 | **9** | 139 |
| +45 mins. | 2 | 1 | 6 | **9** | 0 | **136** | 1 | **137** | 7 | 1 | **1** | **9** | **11** | **132** | 9 | **152** |
| Total Volume | 7 | 2 | 19 | 28 | 2 | 490 | 2 | 494 | 28 | 2 | 1 | 31 | 27 | 511 | 31 | 569 |
| % App. Total | 25 | 7.1 | 67.9 | | 0.4 | 99.2 | 0.4 | | 90.3 | 6.5 | 3.2 | | 4.7 | 89.8 | 5.4 | |
| PHF | .438 | .500 | .679 | .778 | .500 | .901 | .500 | .901 | .875 | .500 | .250 | .861 | .614 | .968 | .861 | .936 |

# APPENDIX 4.2

Existing (2012) Average Daily Traffic Volume Counts

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Newport Road
B/ Haun Road - Interstate 215
24 Hour Directional Volume Count

MEN003
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 41 | 386 | | | 44 | 392 | | | | |
| 12:15 | | 40 | 391 | | | 45 | 396 | | | | |
| 12:30 | | 21 | 368 | | | 37 | 424 | | | | |
| 12:45 | | 20 | **392** | 122 | 1537 | 26 | 411 | 152 | 1623 | 274 | 3160 |
| 01:00 | | 37 | **406** | | | 32 | 408 | | | | |
| 01:15 | | 18 | **413** | | | 31 | 435 | | | | |
| 01:30 | | 19 | **398** | | | 23 | 378 | | | | |
| 01:45 | | 23 | 392 | 97 | 1609 | 19 | 395 | 105 | 1616 | 202 | 3225 |
| 02:00 | | 14 | 357 | | | 19 | 385 | | | | |
| 02:15 | | 18 | 405 | | | 13 | 466 | | | | |
| 02:30 | | 18 | 369 | | | 25 | 439 | | | | |
| 02:45 | | 16 | 411 | 66 | 1542 | 23 | 416 | 80 | 1706 | 146 | 3248 |
| 03:00 | | 18 | 367 | | | 19 | 402 | | | | |
| 03:15 | | 15 | 353 | | | 20 | 430 | | | | |
| 03:30 | | 37 | 382 | | | 29 | 430 | | | | |
| 03:45 | | 55 | 332 | 125 | 1434 | 48 | 448 | 116 | 1710 | 241 | 3144 |
| 04:00 | | 42 | 354 | | | 54 | 443 | | | | |
| 04:15 | | 55 | 368 | | | 54 | 425 | | | | |
| 04:30 | | 91 | 333 | | | 56 | 439 | | | | |
| 04:45 | | 100 | 355 | 288 | 1410 | 73 | 430 | 237 | 1737 | 525 | 3147 |
| 05:00 | | 132 | 364 | | | 81 | 402 | | | | |
| 05:15 | | 141 | 355 | | | 97 | 438 | | | | |
| 05:30 | | 180 | 322 | | | 86 | **425** | | | | |
| 05:45 | | 148 | 344 | 601 | 1385 | 116 | **456** | 380 | 1721 | 981 | 3106 |
| 06:00 | | 198 | 299 | | | 127 | **474** | | | | |
| 06:15 | | 192 | 363 | | | 176 | **462** | | | | |
| 06:30 | | 248 | 341 | | | 181 | 415 | | | | |
| 06:45 | | 272 | 398 | 910 | 1401 | 251 | 431 | 735 | 1782 | 1645 | 3183 |
| 07:00 | | 313 | 334 | | | 286 | 426 | | | | |
| 07:15 | | 336 | 371 | | | **452** | 364 | | | | |
| 07:30 | | 379 | 357 | | | **482** | 375 | | | | |
| 07:45 | | 386 | 315 | 1414 | 1377 | **443** | 317 | 1663 | 1482 | 3077 | 2859 |
| 08:00 | | 344 | 312 | | | **360** | 284 | | | | |
| 08:15 | | 278 | 322 | | | 380 | 313 | | | | |
| 08:30 | | 332 | 273 | | | 371 | 260 | | | | |
| 08:45 | | 295 | 230 | 1249 | 1137 | 399 | 227 | 1510 | 1084 | 2759 | 2221 |
| 09:00 | | 305 | 238 | | | 293 | 188 | | | | |
| 09:15 | | 338 | 203 | | | 305 | 173 | | | | |
| 09:30 | | 309 | 177 | | | 330 | 192 | | | | |
| 09:45 | | 339 | 174 | 1291 | 792 | 369 | 156 | 1297 | 709 | 2588 | 1501 |
| 10:00 | | 294 | 173 | | | 323 | 131 | | | | |
| 10:15 | | 361 | 130 | | | 332 | 123 | | | | |
| 10:30 | | **382** | 105 | | | 305 | 105 | | | | |
| 10:45 | | **369** | 92 | 1406 | 500 | 367 | 91 | 1327 | 450 | 2733 | 950 |
| 11:00 | | **349** | 82 | | | 363 | 70 | | | | |
| 11:15 | | **369** | 58 | | | 405 | 80 | | | | |
| 11:30 | | 342 | 87 | | | 391 | 55 | | | | |
| 11:45 | | 347 | 46 | 1407 | 273 | 426 | 64 | 1585 | 269 | 2992 | 542 |
| Total | | 8976 | 14397 | 8976 | 14397 | 9187 | 15889 | 9187 | 15889 | 18163 | 30286 |
| Combined Total | | 23373 | | 23373 | | 25076 | | 25076 | | 48449 | |
| AM Peak | | 10:30 | | | | 07:15 | | | | | |
| Vol. | | 1469 | | | | 1737 | | | | | |
| P.H.F. | | 0.961 | | | | 0.901 | | | | | |
| PM Peak | | | 00:45 | | | | 05:30 | | | | |
| Vol. | | | 1609 | | | | 1817 | | | | |
| P.H.F. | | | 0.974 | | | | 0.958 | | | | |
| Percentage | | 38.4% | 61.6% | | | 36.6% | 63.4% | | | | |
| ADT/AADT | | ADT 48,449 | | AADT 48,449 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Scott Road
B/ Haun Road - Interstate 215
24 Hour Directional Volume Count

MEN004
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 22 | 133 | | | 10 | 112 | | | | |
| 12:15 | | 10 | 130 | | | 19 | 149 | | | | |
| 12:30 | | 7 | 116 | | | 13 | 141 | | | | |
| 12:45 | | 9 | 148 | 48 | 527 | 8 | 158 | 50 | 560 | 98 | 1087 |
| 01:00 | | 6 | 143 | | | 13 | 142 | | | | |
| 01:15 | | 4 | 128 | | | 13 | 155 | | | | |
| 01:30 | | 6 | 149 | | | 7 | 133 | | | | |
| 01:45 | | 6 | 173 | 22 | 593 | 14 | 166 | 47 | 596 | 69 | 1189 |
| 02:00 | | 9 | 155 | | | 7 | 160 | | | | |
| 02:15 | | 8 | 172 | | | 3 | 163 | | | | |
| 02:30 | | 11 | **181** | | | 7 | **190** | | | | |
| 02:45 | | 6 | **214** | 34 | 722 | 7 | **224** | 24 | 737 | 58 | 1459 |
| 03:00 | | 7 | **204** | | | 7 | **224** | | | | |
| 03:15 | | 5 | **194** | | | 13 | **179** | | | | |
| 03:30 | | 11 | 181 | | | 10 | 182 | | | | |
| 03:45 | | 14 | 184 | 37 | 763 | 17 | 191 | 47 | 776 | 84 | 1539 |
| 04:00 | | 10 | 192 | | | 42 | 195 | | | | |
| 04:15 | | 19 | 171 | | | 27 | 209 | | | | |
| 04:30 | | 31 | 185 | | | 30 | 183 | | | | |
| 04:45 | | 45 | 167 | 105 | 715 | 41 | 199 | 140 | 786 | 245 | 1501 |
| 05:00 | | 37 | 178 | | | 29 | 198 | | | | |
| 05:15 | | 55 | 216 | | | 45 | 187 | | | | |
| 05:30 | | 81 | 168 | | | 46 | 198 | | | | |
| 05:45 | | 75 | 199 | 248 | 761 | 62 | 204 | 182 | 787 | 430 | 1548 |
| 06:00 | | 71 | 178 | | | 66 | 189 | | | | |
| 06:15 | | 86 | 176 | | | 87 | 209 | | | | |
| 06:30 | | 123 | 150 | | | 115 | 170 | | | | |
| 06:45 | | 159 | 164 | 439 | 668 | **145** | 131 | 413 | 699 | 852 | 1367 |
| 07:00 | | 156 | 132 | | | **141** | 161 | | | | |
| 07:15 | | **232** | 134 | | | **197** | 126 | | | | |
| 07:30 | | **304** | 113 | | | **174** | 118 | | | | |
| 07:45 | | **301** | 131 | 993 | 510 | 129 | 109 | 641 | 514 | 1634 | 1024 |
| 08:00 | | **253** | 107 | | | 109 | 94 | | | | |
| 08:15 | | 184 | 127 | | | 134 | 104 | | | | |
| 08:30 | | 197 | 73 | | | 111 | 86 | | | | |
| 08:45 | | 172 | 72 | 806 | 379 | 121 | 81 | 475 | 365 | 1281 | 744 |
| 09:00 | | 140 | 54 | | | 119 | 76 | | | | |
| 09:15 | | 126 | 57 | | | 133 | 90 | | | | |
| 09:30 | | 135 | 41 | | | 104 | 56 | | | | |
| 09:45 | | 120 | 42 | 521 | 194 | 108 | 46 | 464 | 268 | 985 | 462 |
| 10:00 | | 124 | 36 | | | 93 | 56 | | | | |
| 10:15 | | 116 | 34 | | | 93 | 44 | | | | |
| 10:30 | | 128 | 34 | | | 113 | 44 | | | | |
| 10:45 | | 127 | 29 | 495 | 133 | 115 | 30 | 414 | 174 | 909 | 307 |
| 11:00 | | 112 | 13 | | | 125 | 29 | | | | |
| 11:15 | | 131 | 31 | | | 127 | 20 | | | | |
| 11:30 | | 101 | 14 | | | 132 | 27 | | | | |
| 11:45 | | 121 | 16 | 465 | 74 | 121 | 20 | 505 | 96 | 970 | 170 |
| Total | | 4213 | 6039 | 4213 | 6039 | 3402 | 6358 | 3402 | 6358 | 7615 | 12397 |
| Combined Total | | 10252 | | 10252 | | 9760 | | 9760 | | 20012 | |
| AM Peak | | 07:15 | | | | 06:45 | | | | | |
| Vol. | | 1090 | | | | 657 | | | | | |
| P.H.F. | | 0.896 | | | | 0.834 | | | | | |
| PM Peak | | | 02:30 | | | | 02:30 | | | | |
| Vol. | | | 793 | | | | 817 | | | | |
| P.H.F. | | | 0.926 | | | | 0.912 | | | | |
| Percentage | | 41.1% | 58.9% | | | 34.9% | 65.1% | | | | |
| ADT/AADT | | ADT 20,012 | | AADT 20,012 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Newport Road
B/ Interstate 215 - Antelope Road
24 Hour Directional Volume Count

MEN005
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 63 | 410 | | | 33 | 412 | | | | |
| 12:15 | | 67 | 390 | | | 37 | 392 | | | | |
| 12:30 | | 53 | 416 | | | 23 | 443 | | | | |
| 12:45 | | 40 | 390 | 223 | 1606 | 18 | 374 | 111 | 1621 | 334 | 3227 |
| 01:00 | | 51 | 408 | | | 33 | 386 | | | | |
| 01:15 | | 24 | 404 | | | 18 | 377 | | | | |
| 01:30 | | 28 | 480 | | | 23 | 375 | | | | |
| 01:45 | | 23 | 464 | 126 | 1756 | 19 | **406** | 93 | 1544 | 219 | 3300 |
| 02:00 | | 21 | 468 | | | 12 | **372** | | | | |
| 02:15 | | 16 | 413 | | | 22 | **456** | | | | |
| 02:30 | | 21 | 434 | | | 20 | **427** | | | | |
| 02:45 | | 11 | 448 | 69 | 1763 | 23 | 373 | 77 | 1628 | 146 | 3391 |
| 03:00 | | 23 | 490 | | | 22 | 396 | | | | |
| 03:15 | | 17 | 493 | | | 36 | 408 | | | | |
| 03:30 | | 18 | 464 | | | 44 | 399 | | | | |
| 03:45 | | 30 | 456 | 88 | 1903 | 55 | 408 | 157 | 1611 | 245 | 3514 |
| 04:00 | | 26 | 462 | | | 71 | 369 | | | | |
| 04:15 | | 26 | 497 | | | 99 | 403 | | | | |
| 04:30 | | 42 | 502 | | | 139 | 386 | | | | |
| 04:45 | | 47 | 480 | 141 | 1941 | 168 | 400 | 477 | 1558 | 618 | 3499 |
| 05:00 | | 79 | 524 | | | 200 | 356 | | | | |
| 05:15 | | 60 | 476 | | | 217 | 402 | | | | |
| 05:30 | | 74 | **498** | | | 250 | 350 | | | | |
| 05:45 | | 105 | **513** | 318 | 2011 | 249 | 396 | 916 | 1504 | 1234 | 3515 |
| 06:00 | | 114 | **509** | | | 300 | 382 | | | | |
| 06:15 | | 154 | **503** | | | 327 | 403 | | | | |
| 06:30 | | 186 | 453 | | | 352 | 318 | | | | |
| 06:45 | | 206 | 503 | 660 | 1968 | 396 | 389 | 1375 | 1492 | 2035 | 3460 |
| 07:00 | | 274 | 455 | | | **402** | 381 | | | | |
| 07:15 | | **466** | 472 | | | **471** | 277 | | | | |
| 07:30 | | **525** | 369 | | | **490** | 301 | | | | |
| 07:45 | | **451** | 398 | 1716 | 1694 | **509** | 295 | 1872 | 1254 | 3588 | 2948 |
| 08:00 | | **471** | 356 | | | 379 | 264 | | | | |
| 08:15 | | 351 | 396 | | | 397 | 223 | | | | |
| 08:30 | | 388 | 330 | | | 382 | 240 | | | | |
| 08:45 | | 293 | 283 | 1503 | 1365 | 443 | 190 | 1601 | 917 | 3104 | 2282 |
| 09:00 | | 318 | 276 | | | 358 | 171 | | | | |
| 09:15 | | 314 | 268 | | | 377 | 154 | | | | |
| 09:30 | | 346 | 228 | | | 424 | 172 | | | | |
| 09:45 | | 337 | 216 | 1315 | 988 | 418 | 141 | 1577 | 638 | 2892 | 1626 |
| 10:00 | | 298 | 206 | | | 382 | 125 | | | | |
| 10:15 | | 295 | 174 | | | 372 | 99 | | | | |
| 10:30 | | 352 | 120 | | | 336 | 86 | | | | |
| 10:45 | | 396 | 130 | 1341 | 630 | 387 | 79 | 1477 | 389 | 2818 | 1019 |
| 11:00 | | 387 | 98 | | | 375 | 61 | | | | |
| 11:15 | | 364 | 82 | | | 461 | 58 | | | | |
| 11:30 | | 382 | 81 | | | 407 | 48 | | | | |
| 11:45 | | 361 | 78 | 1494 | 339 | 406 | 47 | 1649 | 214 | 3143 | 553 |
| Total | | 8994 | 17964 | 8994 | 17964 | 11382 | 14370 | 11382 | 14370 | 20376 | 32334 |
| Combined Total | | 26958 | | 26958 | | 25752 | | 25752 | | 52710 | |
| AM Peak | | 07:15 | | | | 07:00 | | | | | |
| Vol. | | 1913 | | | | 1872 | | | | | |
| P.H.F. | | 0.911 | | | | 0.919 | | | | | |
| PM Peak | | | 05:30 | | | | 01:45 | | | | |
| Vol. | | | 2023 | | | | 1661 | | | | |
| P.H.F. | | | 0.986 | | | | 0.911 | | | | |
| Percentage | | 33.4% | 66.6% | | | 44.2% | 55.8% | | | | |
| ADT/AADT | | ADT 52,710 | | AADT 52,710 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Scott Road
B/ Interstate 215 - Antelope Road
24 Hour Directional Volume Count

MEN006
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 50 | 223 | | | 17 | 232 | | | | |
| 12:15 | | 32 | 240 | | | 23 | 261 | | | | |
| 12:30 | | 24 | 222 | | | 18 | 302 | | | | |
| 12:45 | | 34 | 266 | 140 | 951 | 13 | 267 | 71 | 1062 | 211 | 2013 |
| 01:00 | | 24 | 271 | | | 24 | 234 | | | | |
| 01:15 | | 21 | 245 | | | 20 | 252 | | | | |
| 01:30 | | 20 | 257 | | | 14 | 230 | | | | |
| 01:45 | | 30 | 331 | 95 | 1104 | 14 | 219 | 72 | 935 | 167 | 2039 |
| 02:00 | | 25 | 292 | | | 14 | 270 | | | | |
| 02:15 | | 18 | 307 | | | 19 | 284 | | | | |
| 02:30 | | 20 | 318 | | | 15 | 289 | | | | |
| 02:45 | | 19 | 301 | 82 | 1218 | 11 | 317 | 59 | 1160 | 141 | 2378 |
| 03:00 | | 15 | 349 | | | 18 | 293 | | | | |
| 03:15 | | 23 | 333 | | | 36 | 279 | | | | |
| 03:30 | | 14 | 295 | | | 30 | **298** | | | | |
| 03:45 | | 28 | 315 | 80 | 1292 | 49 | **335** | 133 | 1205 | 213 | 2497 |
| 04:00 | | 22 | 306 | | | 83 | **351** | | | | |
| 04:15 | | 23 | 299 | | | 66 | **290** | | | | |
| 04:30 | | 37 | 301 | | | 111 | 295 | | | | |
| 04:45 | | 33 | **354** | 115 | 1260 | 120 | 322 | 380 | 1258 | 495 | 2518 |
| 05:00 | | 43 | **333** | | | 140 | 312 | | | | |
| 05:15 | | 67 | **332** | | | 186 | 292 | | | | |
| 05:30 | | 55 | **334** | | | 210 | 310 | | | | |
| 05:45 | | 84 | 333 | 249 | 1332 | 213 | 316 | 749 | 1230 | 998 | 2562 |
| 06:00 | | 100 | 340 | | | 227 | 303 | | | | |
| 06:15 | | 142 | 340 | | | 248 | 284 | | | | |
| 06:30 | | 194 | 335 | | | 282 | 260 | | | | |
| 06:45 | | 221 | 320 | 657 | 1335 | **329** | 225 | 1086 | 1072 | 1743 | 2407 |
| 07:00 | | 163 | 281 | | | **319** | 209 | | | | |
| 07:15 | | 199 | 280 | | | **337** | 193 | | | | |
| 07:30 | | 231 | 261 | | | **335** | 175 | | | | |
| 07:45 | | 282 | 239 | 875 | 1061 | 324 | 182 | 1315 | 759 | 2190 | 1820 |
| 08:00 | | 252 | 202 | | | 303 | 155 | | | | |
| 08:15 | | 209 | 238 | | | 289 | 147 | | | | |
| 08:30 | | **259** | 203 | | | 303 | 145 | | | | |
| 08:45 | | **252** | 217 | 972 | 860 | 272 | 123 | 1167 | 570 | 2139 | 1430 |
| 09:00 | | **246** | 173 | | | 231 | 127 | | | | |
| 09:15 | | **246** | 188 | | | 284 | 105 | | | | |
| 09:30 | | 210 | 149 | | | 275 | 102 | | | | |
| 09:45 | | 229 | 122 | 931 | 632 | 285 | 88 | 1075 | 422 | 2006 | 1054 |
| 10:00 | | 191 | 134 | | | 243 | 91 | | | | |
| 10:15 | | 183 | 112 | | | 228 | 67 | | | | |
| 10:30 | | 208 | 100 | | | 227 | 65 | | | | |
| 10:45 | | 275 | 96 | 857 | 442 | 237 | 44 | 935 | 267 | 1792 | 709 |
| 11:00 | | 194 | 76 | | | 250 | 27 | | | | |
| 11:15 | | 188 | 82 | | | 284 | 23 | | | | |
| 11:30 | | 174 | 59 | | | 262 | 31 | | | | |
| 11:45 | | 229 | 61 | 785 | 278 | 236 | 23 | 1032 | 104 | 1817 | 382 |
| Total | | 5838 | 11765 | 5838 | 11765 | 8074 | 10044 | 8074 | 10044 | 13912 | 21809 |
| Combined Total | | 17603 | | 17603 | | 18118 | | 18118 | | 35721 | |
| AM Peak | | 08:30 | | | | 06:45 | | | | | |
| Vol. | | 1003 | | | | 1320 | | | | | |
| P.H.F. | | 0.968 | | | | 0.979 | | | | | |
| PM Peak | | | 04:45 | | | | 03:30 | | | | |
| Vol. | | | 1353 | | | | 1274 | | | | |
| P.H.F. | | | 0.956 | | | | 0.907 | | | | |
| Percentage | | 33.2% | 66.8% | | | 44.6% | 55.4% | | | | |
| ADT/AADT | | ADT 35,721 | | AADT 35,721 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Antelope Road
B/ Newport Road - La Piedra Road
24 Hour Directional Volume Count

MEN007
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Northbound Morning | Northbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Southbound Morning | Southbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 18 | 142 | | | 9 | 112 | | | | |
| 12:15 | | 11 | 185 | | | 14 | 133 | | | | |
| 12:30 | | 3 | 192 | | | 8 | 142 | | | | |
| 12:45 | | 7 | 121 | 39 | 640 | 11 | 128 | 42 | 515 | 81 | 1155 |
| 01:00 | | 9 | 121 | | | 11 | 117 | | | | |
| 01:15 | | 7 | 111 | | | 6 | 133 | | | | |
| 01:30 | | 8 | 98 | | | 3 | 187 | | | | |
| 01:45 | | 2 | 123 | 26 | 453 | 2 | 197 | 22 | 634 | 48 | 1087 |
| 02:00 | | 7 | 149 | | | 1 | 128 | | | | |
| 02:15 | | 3 | 174 | | | 3 | 157 | | | | |
| 02:30 | | 11 | 125 | | | 4 | 164 | | | | |
| 02:45 | | 3 | 149 | 24 | 597 | 2 | 150 | 10 | 599 | 34 | 1196 |
| 03:00 | | 5 | **173** | | | 3 | 179 | | | | |
| 03:15 | | 7 | **217** | | | 2 | 205 | | | | |
| 03:30 | | 8 | **161** | | | 6 | 169 | | | | |
| 03:45 | | 10 | **196** | 30 | 747 | 6 | 202 | 17 | 755 | 47 | 1502 |
| 04:00 | | 15 | 165 | | | 4 | 169 | | | | |
| 04:15 | | 21 | 165 | | | 7 | 150 | | | | |
| 04:30 | | 17 | 154 | | | 8 | 179 | | | | |
| 04:45 | | 21 | 148 | 74 | 632 | 8 | 156 | 27 | 654 | 101 | 1286 |
| 05:00 | | 23 | 137 | | | 2 | 182 | | | | |
| 05:15 | | 33 | 172 | | | 15 | **190** | | | | |
| 05:30 | | 34 | 147 | | | 11 | **206** | | | | |
| 05:45 | | 38 | 210 | 128 | 666 | 18 | **209** | 46 | 787 | 174 | 1453 |
| 06:00 | | 44 | 174 | | | 27 | **196** | | | | |
| 06:15 | | 56 | 173 | | | 22 | 182 | | | | |
| 06:30 | | 72 | 168 | | | 40 | 175 | | | | |
| 06:45 | | 80 | 144 | 252 | 659 | 75 | 208 | 164 | 761 | 416 | 1420 |
| 07:00 | | 91 | 151 | | | 115 | 167 | | | | |
| 07:15 | | 140 | 149 | | | **253** | 148 | | | | |
| 07:30 | | 199 | 153 | | | **305** | 109 | | | | |
| 07:45 | | 138 | 164 | 568 | 617 | **330** | 116 | 1003 | 540 | 1571 | 1157 |
| 08:00 | | 108 | 133 | | | **250** | 112 | | | | |
| 08:15 | | 117 | 96 | | | 181 | 104 | | | | |
| 08:30 | | 114 | 73 | | | 152 | 99 | | | | |
| 08:45 | | 106 | 68 | 445 | 370 | 120 | 81 | 703 | 396 | 1148 | 766 |
| 09:00 | | 91 | 76 | | | 136 | 74 | | | | |
| 09:15 | | 135 | 74 | | | 170 | 65 | | | | |
| 09:30 | | 141 | 93 | | | 117 | 61 | | | | |
| 09:45 | | 115 | 81 | 482 | 324 | 129 | 50 | 552 | 250 | 1034 | 574 |
| 10:00 | | 117 | 57 | | | 81 | 59 | | | | |
| 10:15 | | 112 | 31 | | | 98 | 41 | | | | |
| 10:30 | | 86 | 32 | | | 130 | 25 | | | | |
| 10:45 | | **161** | 29 | 476 | 149 | 162 | 35 | 471 | 160 | 947 | 309 |
| 11:00 | | **174** | 16 | | | 118 | 34 | | | | |
| 11:15 | | **151** | 9 | | | 100 | 18 | | | | |
| 11:30 | | **133** | 7 | | | 101 | 12 | | | | |
| 11:45 | | 135 | 13 | 593 | 45 | 109 | 16 | 428 | 80 | 1021 | 125 |
| Total | | 3137 | 5899 | 3137 | 5899 | 3485 | 6131 | 3485 | 6131 | 6622 | 12030 |
| Combined Total | | 9036 | | 9036 | | 9616 | | 9616 | | 18652 | |
| AM Peak | | 10:45 | | | | 07:15 | | | | | |
| Vol. | | 619 | | | | 1138 | | | | | |
| P.H.F. | | 0.778 | | | | 0.862 | | | | | |
| PM Peak | | | 03:00 | | | | 05:15 | | | | |
| Vol. | | | 747 | | | | 801 | | | | |
| P.H.F. | | | 0.861 | | | | 0.958 | | | | |
| Percentage | | 34.7% | 65.3% | | | 36.2% | 63.8% | | | | |
| ADT/AADT | | ADT 18,652 | | AADT 18,652 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Antelope Road
B/ Craig Avenue - Scott Road
24 Hour Directional Volume Count

MEN009
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Northbound Morning | Northbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Southbound Morning | Southbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 15 | 68 | | | 3 | 89 | | | | |
| 12:15 | | 8 | 80 | | | 1 | 113 | | | | |
| 12:30 | | 10 | 78 | | | 5 | 154 | | | | |
| 12:45 | | 9 | 77 | 42 | 303 | 2 | 114 | 11 | 470 | 53 | 773 |
| 01:00 | | 12 | 82 | | | 6 | 100 | | | | |
| 01:15 | | 8 | 83 | | | 6 | 80 | | | | |
| 01:30 | | 5 | 123 | | | 0 | 92 | | | | |
| 01:45 | | 3 | 144 | 28 | 432 | 1 | 88 | 13 | 360 | 41 | 792 |
| 02:00 | | 8 | 93 | | | 0 | 100 | | | | |
| 02:15 | | 3 | 106 | | | 1 | 113 | | | | |
| 02:30 | | 11 | 115 | | | 2 | 117 | | | | |
| 02:45 | | 2 | 138 | 24 | 452 | 3 | 123 | 6 | 453 | 30 | 905 |
| 03:00 | | 1 | 132 | | | 4 | 114 | | | | |
| 03:15 | | 2 | 132 | | | 3 | **146** | | | | |
| 03:30 | | 1 | 122 | | | 9 | **166** | | | | |
| 03:45 | | 5 | 145 | 9 | 531 | 12 | **140** | 28 | 566 | 37 | 1097 |
| 04:00 | | 5 | 126 | | | 12 | **139** | | | | |
| 04:15 | | 6 | 129 | | | 18 | 113 | | | | |
| 04:30 | | 0 | 123 | | | 23 | 118 | | | | |
| 04:45 | | 5 | 130 | 16 | 508 | 39 | 110 | 92 | 480 | 108 | 988 |
| 05:00 | | 3 | 126 | | | 43 | 105 | | | | |
| 05:15 | | 9 | **172** | | | 46 | 122 | | | | |
| 05:30 | | 3 | **150** | | | 46 | 113 | | | | |
| 05:45 | | 5 | **158** | 20 | 606 | 46 | 139 | 181 | 479 | 201 | 1085 |
| 06:00 | | 10 | **154** | | | 39 | 136 | | | | |
| 06:15 | | 14 | 151 | | | 48 | 114 | | | | |
| 06:30 | | 30 | 162 | | | 72 | 67 | | | | |
| 06:45 | | 38 | 157 | 92 | 624 | 76 | 82 | 235 | 399 | 327 | 1023 |
| 07:00 | | 43 | 121 | | | 103 | 93 | | | | |
| 07:15 | | **91** | 96 | | | 133 | 81 | | | | |
| 07:30 | | **126** | 106 | | | 59 | 73 | | | | |
| 07:45 | | **190** | 79 | 450 | 402 | 113 | 121 | 408 | 368 | 858 | 770 |
| 08:00 | | **116** | 57 | | | **139** | 101 | | | | |
| 08:15 | | 75 | 49 | | | **186** | 62 | | | | |
| 08:30 | | 79 | 63 | | | **166** | 61 | | | | |
| 08:45 | | 57 | 55 | 327 | 224 | **131** | 48 | 622 | 272 | 949 | 496 |
| 09:00 | | 87 | 52 | | | 88 | 43 | | | | |
| 09:15 | | 125 | 38 | | | 109 | 49 | | | | |
| 09:30 | | 89 | 47 | | | 129 | 55 | | | | |
| 09:45 | | 96 | 43 | 397 | 180 | 104 | 60 | 430 | 207 | 827 | 387 |
| 10:00 | | 67 | 38 | | | 90 | 59 | | | | |
| 10:15 | | 70 | 38 | | | 91 | 25 | | | | |
| 10:30 | | 87 | 22 | | | 82 | 21 | | | | |
| 10:45 | | 132 | 23 | 356 | 121 | 85 | 11 | 348 | 116 | 704 | 237 |
| 11:00 | | 90 | 25 | | | 139 | 2 | | | | |
| 11:15 | | 63 | 16 | | | 87 | 15 | | | | |
| 11:30 | | 67 | 15 | | | 100 | 7 | | | | |
| 11:45 | | 60 | 16 | 280 | 72 | 82 | 11 | 408 | 35 | 688 | 107 |
| Total | | 2041 | 4455 | 2041 | 4455 | 2782 | 4205 | 2782 | 4205 | 4823 | 8660 |
| Combined Total | | 6496 | | 6496 | | 6987 | | 6987 | | 13483 | |
| AM Peak | | 07:15 | | | | 08:00 | | | | | |
| Vol. | | 523 | | | | 622 | | | | | |
| P.H.F. | | 0.688 | | | | 0.836 | | | | | |
| PM Peak | | | 05:15 | | | | 03:15 | | | | |
| Vol. | | | 634 | | | | 591 | | | | |
| P.H.F. | | | 0.922 | | | | 0.890 | | | | |
| Percentage | | 31.4% | 68.6% | | | 39.8% | 60.2% | | | | |
| ADT/AADT | | ADT 13,483 | | AADT 13,483 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Newport Road
B/ Antelope Road - Menifee Road
24 Hour Directional Volume Count

MEN011
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 50 | 259 | | | 20 | 245 | | | | |
| 12:15 | | 53 | 207 | | | 24 | 280 | | | | |
| 12:30 | | 34 | 269 | | | 16 | 250 | | | | |
| 12:45 | | 28 | 205 | 165 | 940 | 19 | 231 | 79 | 1006 | 244 | 1946 |
| 01:00 | | 46 | 287 | | | 22 | 228 | | | | |
| 01:15 | | 15 | 210 | | | 11 | 219 | | | | |
| 01:30 | | 24 | 283 | | | 16 | 257 | | | | |
| 01:45 | | 19 | 302 | 104 | 1082 | 13 | **267** | 62 | 971 | 166 | 2053 |
| 02:00 | | 7 | 307 | | | 4 | **285** | | | | |
| 02:15 | | 18 | 245 | | | 15 | **367** | | | | |
| 02:30 | | 11 | 276 | | | 15 | **259** | | | | |
| 02:45 | | 8 | 242 | 44 | 1070 | 16 | 264 | 50 | 1175 | 94 | 2245 |
| 03:00 | | 20 | 310 | | | 15 | 272 | | | | |
| 03:15 | | 15 | 265 | | | 32 | 281 | | | | |
| 03:30 | | 9 | 293 | | | 26 | 273 | | | | |
| 03:45 | | 15 | 272 | 59 | 1140 | 41 | 290 | 114 | 1116 | 173 | 2256 |
| 04:00 | | 19 | 271 | | | 52 | 255 | | | | |
| 04:15 | | 16 | 318 | | | 70 | 275 | | | | |
| 04:30 | | 23 | 308 | | | 110 | 262 | | | | |
| 04:45 | | 28 | 278 | 86 | 1175 | 131 | 277 | 363 | 1069 | 449 | 2244 |
| 05:00 | | 53 | **333** | | | 140 | 266 | | | | |
| 05:15 | | 45 | **300** | | | 166 | 261 | | | | |
| 05:30 | | 56 | **324** | | | 206 | 260 | | | | |
| 05:45 | | 69 | **290** | 223 | 1247 | 190 | 283 | 702 | 1070 | 925 | 2317 |
| 06:00 | | 92 | 324 | | | 213 | 252 | | | | |
| 06:15 | | 121 | 306 | | | 260 | 253 | | | | |
| 06:30 | | 163 | 298 | | | 247 | 283 | | | | |
| 06:45 | | 162 | 297 | 538 | 1225 | 290 | 228 | 1010 | 1016 | 1548 | 2241 |
| 07:00 | | 191 | 300 | | | **304** | 262 | | | | |
| 07:15 | | **272** | 293 | | | **320** | 139 | | | | |
| 07:30 | | **366** | 240 | | | **394** | 170 | | | | |
| 07:45 | | **200** | 237 | 1029 | 1070 | **396** | 123 | 1414 | 694 | 2443 | 1764 |
| 08:00 | | **236** | 246 | | | 275 | 144 | | | | |
| 08:15 | | 197 | 256 | | | 297 | 127 | | | | |
| 08:30 | | 263 | 187 | | | 265 | 140 | | | | |
| 08:45 | | 166 | 189 | 862 | 878 | 296 | 126 | 1133 | 537 | 1995 | 1415 |
| 09:00 | | 169 | 161 | | | 258 | 99 | | | | |
| 09:15 | | 171 | 198 | | | 242 | 97 | | | | |
| 09:30 | | 216 | 172 | | | 289 | 83 | | | | |
| 09:45 | | 194 | 150 | 750 | 681 | 242 | 79 | 1031 | 358 | 1781 | 1039 |
| 10:00 | | 173 | 135 | | | 214 | 70 | | | | |
| 10:15 | | 185 | 135 | | | 227 | 73 | | | | |
| 10:30 | | 193 | 89 | | | 211 | 58 | | | | |
| 10:45 | | 233 | 95 | 784 | 454 | 227 | 57 | 879 | 258 | 1663 | 712 |
| 11:00 | | 275 | 61 | | | 241 | 56 | | | | |
| 11:15 | | 246 | 66 | | | 297 | 36 | | | | |
| 11:30 | | 229 | 54 | | | 264 | 40 | | | | |
| 11:45 | | 255 | 52 | 1005 | 233 | 269 | 31 | 1071 | 163 | 2076 | 396 |
| Total | | 5649 | 11195 | 5649 | 11195 | 7908 | 9433 | 7908 | 9433 | 13557 | 20628 |
| Combined Total | | 16844 | | 16844 | | 17341 | | 17341 | | 34185 | |
| AM Peak | | 07:15 | | | | 07:00 | | | | | |
| Vol. | | 1074 | | | | 1414 | | | | | |
| P.H.F. | | 0.734 | | | | 0.893 | | | | | |
| PM Peak | | | 05:00 | | | | 01:45 | | | | |
| Vol. | | | 1247 | | | | 1178 | | | | |
| P.H.F. | | | 0.936 | | | | 0.802 | | | | |
| Percentage | | 33.5% | 66.5% | | | 45.6% | 54.4% | | | | |
| ADT/AADT | | ADT 34,185 | | AADT 34,185 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Holland Road
B/ Hanover Lane - Menifee Road
24 Hour Directional Volume Count

MEN013
Site Code: 051-12101
Date Start: 13-Mar-12
Date End: 13-Mar-12

| Start Time | 13-Mar-12 Tue | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 3 | 27 | | | 0 | 20 | | | | |
| 12:15 | | 3 | 50 | | | 0 | 30 | | | | |
| 12:30 | | 4 | 28 | | | 2 | 21 | | | | |
| 12:45 | | 3 | 35 | 13 | 140 | 1 | 18 | 3 | 89 | 16 | 229 |
| 01:00 | | 0 | 28 | | | 0 | 18 | | | | |
| 01:15 | | 3 | 32 | | | 3 | 23 | | | | |
| 01:30 | | 3 | 39 | | | 1 | 26 | | | | |
| 01:45 | | 3 | 48 | 9 | 147 | 0 | 15 | 4 | 82 | 13 | 229 |
| 02:00 | | 2 | 48 | | | 2 | **60** | | | | |
| 02:15 | | 2 | 39 | | | 1 | **80** | | | | |
| 02:30 | | 1 | 40 | | | 3 | **42** | | | | |
| 02:45 | | 1 | 39 | 6 | 166 | 2 | **37** | 8 | 219 | 14 | 385 |
| 03:00 | | 2 | 45 | | | 1 | 46 | | | | |
| 03:15 | | 1 | 45 | | | 4 | 33 | | | | |
| 03:30 | | 2 | 34 | | | 0 | 24 | | | | |
| 03:45 | | 5 | 35 | 10 | 159 | 4 | 32 | 9 | 135 | 19 | 294 |
| 04:00 | | 2 | 58 | | | 4 | 23 | | | | |
| 04:15 | | 2 | 35 | | | 2 | 29 | | | | |
| 04:30 | | 4 | 41 | | | 9 | 38 | | | | |
| 04:45 | | 3 | 39 | 11 | 173 | 14 | 28 | 29 | 118 | 40 | 291 |
| 05:00 | | 0 | 40 | | | 14 | 30 | | | | |
| 05:15 | | 6 | 50 | | | 13 | 40 | | | | |
| 05:30 | | 1 | **57** | | | 12 | 36 | | | | |
| 05:45 | | 2 | **59** | 9 | 206 | 20 | 42 | 59 | 148 | 68 | 354 |
| 06:00 | | 7 | **47** | | | 19 | 33 | | | | |
| 06:15 | | 9 | **61** | | | 24 | 21 | | | | |
| 06:30 | | 15 | 43 | | | 39 | 27 | | | | |
| 06:45 | | 15 | 34 | 46 | 185 | 36 | 27 | 118 | 108 | 164 | 293 |
| 07:00 | | **46** | 47 | | | **42** | 25 | | | | |
| 07:15 | | **69** | 43 | | | **70** | 27 | | | | |
| 07:30 | | **56** | 47 | | | **108** | 23 | | | | |
| 07:45 | | **32** | 40 | 203 | 177 | **59** | 15 | 279 | 90 | 482 | 267 |
| 08:00 | | 28 | 34 | | | 41 | 11 | | | | |
| 08:15 | | 25 | 20 | | | 41 | 18 | | | | |
| 08:30 | | 25 | 25 | | | 44 | 17 | | | | |
| 08:45 | | 23 | 27 | 101 | 106 | 28 | 12 | 154 | 58 | 255 | 164 |
| 09:00 | | 13 | 25 | | | 18 | 12 | | | | |
| 09:15 | | 21 | 25 | | | 30 | 14 | | | | |
| 09:30 | | 11 | 35 | | | 29 | 8 | | | | |
| 09:45 | | 21 | 26 | 66 | 111 | 31 | 5 | 108 | 39 | 174 | 150 |
| 10:00 | | 18 | 8 | | | 22 | 8 | | | | |
| 10:15 | | 16 | 14 | | | 16 | 8 | | | | |
| 10:30 | | 20 | 11 | | | 27 | 2 | | | | |
| 10:45 | | 23 | 6 | 77 | 39 | 24 | 7 | 89 | 25 | 166 | 64 |
| 11:00 | | 29 | 8 | | | 35 | 3 | | | | |
| 11:15 | | 26 | 6 | | | 44 | 3 | | | | |
| 11:30 | | 24 | 5 | | | 31 | 3 | | | | |
| 11:45 | | 29 | 5 | 108 | 24 | 22 | 5 | 132 | 14 | 240 | 38 |
| Total | | 659 | 1633 | 659 | 1633 | 992 | 1125 | 992 | 1125 | 1651 | 2758 |
| Combined Total | | 2292 | | 2292 | | 2117 | | 2117 | | 4409 | |
| AM Peak | | 07:00 | | | | 07:00 | | | | | |
| Vol. | | 203 | | | | 279 | | | | | |
| P.H.F. | | 0.736 | | | | 0.646 | | | | | |
| PM Peak | | | 05:30 | | | | 02:00 | | | | |
| Vol. | | | 224 | | | | 219 | | | | |
| P.H.F. | | | 0.918 | | | | 0.684 | | | | |
| Percentage | | 28.8% | 71.2% | | | 46.9% | 53.1% | | | | |
| ADT/AADT | | ADT 4,409 | | AADT 4,409 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Scott Road
B/ Antelope Road - Menifee Road
24 Hour Directional Volume Count

MEN015
Site Code: 051-12101
Date Start: 15-Mar-12
Date End: 15-Mar-12

| Start Time | 15-Mar-12 Thu | Eastbound Morning | Eastbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Westbound Morning | Westbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 41 | 127 | | | 13 | 159 | | | | |
| 12:15 | | 17 | 134 | | | 7 | 140 | | | | |
| 12:30 | | 13 | 147 | | | 8 | 142 | | | | |
| 12:45 | | 20 | 157 | 91 | 565 | 14 | 128 | 42 | 569 | 133 | 1134 |
| 01:00 | | 16 | 138 | | | 8 | 148 | | | | |
| 01:15 | | 8 | 131 | | | 8 | 149 | | | | |
| 01:30 | | 16 | 135 | | | 6 | 122 | | | | |
| 01:45 | | 19 | 172 | 59 | 576 | 6 | 166 | 28 | 585 | 87 | 1161 |
| 02:00 | | 6 | 164 | | | 6 | 143 | | | | |
| 02:15 | | 12 | 139 | | | 9 | 174 | | | | |
| 02:30 | | 9 | 184 | | | 10 | 150 | | | | |
| 02:45 | | 10 | 180 | 37 | 667 | 10 | 175 | 35 | 642 | 72 | 1309 |
| 03:00 | | 9 | 201 | | | 25 | 158 | | | | |
| 03:15 | | 10 | 198 | | | 17 | 168 | | | | |
| 03:30 | | 8 | 196 | | | 28 | 188 | | | | |
| 03:45 | | 17 | 213 | 44 | 808 | 50 | **192** | 120 | 706 | 164 | 1514 |
| 04:00 | | 11 | 207 | | | 37 | **171** | | | | |
| 04:15 | | 13 | 191 | | | 72 | **166** | | | | |
| 04:30 | | 26 | 215 | | | 53 | **198** | | | | |
| 04:45 | | 19 | 215 | 69 | 828 | 76 | 176 | 238 | 711 | 307 | 1539 |
| 05:00 | | 24 | 236 | | | 118 | 150 | | | | |
| 05:15 | | 40 | **235** | | | 124 | 180 | | | | |
| 05:30 | | 49 | **232** | | | 143 | 177 | | | | |
| 05:45 | | 40 | **232** | 153 | 935 | 163 | 171 | 548 | 678 | 701 | 1613 |
| 06:00 | | 49 | **240** | | | 150 | 181 | | | | |
| 06:15 | | 80 | 234 | | | 177 | 173 | | | | |
| 06:30 | | 116 | 215 | | | 199 | 140 | | | | |
| 06:45 | | 122 | 208 | 367 | 897 | **208** | 131 | 734 | 625 | 1101 | 1522 |
| 07:00 | | 110 | 198 | | | **230** | 109 | | | | |
| 07:15 | | 96 | 178 | | | **221** | 94 | | | | |
| 07:30 | | 109 | 184 | | | **252** | 81 | | | | |
| 07:45 | | **145** | 162 | 460 | 722 | 172 | 81 | 875 | 365 | 1335 | 1087 |
| 08:00 | | **178** | 150 | | | 166 | 79 | | | | |
| 08:15 | | **147** | 174 | | | 168 | 85 | | | | |
| 08:30 | | **151** | 126 | | | 164 | 65 | | | | |
| 08:45 | | 135 | 145 | 611 | 595 | 168 | 90 | 666 | 319 | 1277 | 914 |
| 09:00 | | 113 | 97 | | | 169 | 65 | | | | |
| 09:15 | | 100 | 129 | | | 151 | 51 | | | | |
| 09:30 | | 113 | 113 | | | 167 | 45 | | | | |
| 09:45 | | 119 | 96 | 445 | 435 | 136 | 43 | 623 | 204 | 1068 | 639 |
| 10:00 | | 123 | 82 | | | 148 | 46 | | | | |
| 10:15 | | 94 | 79 | | | 134 | 33 | | | | |
| 10:30 | | 95 | 60 | | | 133 | 20 | | | | |
| 10:45 | | 128 | 54 | 440 | 275 | 141 | 11 | 556 | 110 | 996 | 385 |
| 11:00 | | 132 | 45 | | | 167 | 8 | | | | |
| 11:15 | | 117 | 50 | | | 149 | 17 | | | | |
| 11:30 | | 103 | 38 | | | 129 | 12 | | | | |
| 11:45 | | 138 | 34 | 490 | 167 | 126 | 13 | 571 | 50 | 1061 | 217 |
| Total | | 3266 | 7470 | 3266 | 7470 | 5036 | 5564 | 5036 | 5564 | 8302 | 13034 |
| Combined Total | | 10736 | | 10736 | | 10600 | | 10600 | | 21336 | |
| AM Peak | | 07:45 | | | | 06:45 | | | | | |
| Vol. | | 621 | | | | 911 | | | | | |
| P.H.F. | | 0.872 | | | | 0.904 | | | | | |
| PM Peak | | | 05:15 | | | | 03:45 | | | | |
| Vol. | | | 939 | | | | 727 | | | | |
| P.H.F. | | | 0.978 | | | | 0.918 | | | | |
| Percentage | | 30.4% | 69.6% | | | 47.5% | 52.5% | | | | |
| ADT/AADT | | ADT 21,336 | | AADT 21,336 | | | | | | | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Menifee Road
B/ Craig Avenue - Scott Road
24 Hour Directional Volume Count

MEN018
Site Code: 051-12101
Date Start: 13-Mar-12
Date End: 13-Mar-12

| Start Time | 13-Mar-12 Tue | Northbound Morning | Northbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Southbound Morning | Southbound Afternoon | Hour Totals Morning | Hour Totals Afternoon | Combined Totals Morning | Combined Totals Afternoon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:00 | | 9 | 47 | | | 3 | 30 | | | | |
| 12:15 | | 6 | 28 | | | 5 | 48 | | | | |
| 12:30 | | 3 | 40 | | | 1 | 47 | | | | |
| 12:45 | | 3 | 24 | 21 | 139 | 0 | 42 | 9 | 167 | 30 | 306 |
| 01:00 | | 1 | 40 | | | 1 | 39 | | | | |
| 01:15 | | 5 | 28 | | | 0 | 36 | | | | |
| 01:30 | | 3 | 60 | | | 0 | 37 | | | | |
| 01:45 | | 1 | 55 | 10 | 183 | 0 | 30 | 1 | 142 | 11 | 325 |
| 02:00 | | 3 | 51 | | | 0 | 35 | | | | |
| 02:15 | | 4 | 49 | | | 3 | 59 | | | | |
| 02:30 | | 4 | 60 | | | 3 | 58 | | | | |
| 02:45 | | 1 | 64 | 12 | 224 | 3 | 36 | 9 | 188 | 21 | 412 |
| 03:00 | | 1 | 92 | | | 5 | 57 | | | | |
| 03:15 | | 0 | 72 | | | 0 | **84** | | | | |
| 03:30 | | 0 | 84 | | | 3 | **74** | | | | |
| 03:45 | | 1 | 70 | 2 | 318 | 3 | **45** | 11 | 260 | 13 | 578 |
| 04:00 | | 0 | 90 | | | 7 | **68** | | | | |
| 04:15 | | 1 | 96 | | | 5 | 46 | | | | |
| 04:30 | | 2 | 77 | | | 12 | 54 | | | | |
| 04:45 | | 2 | 86 | 5 | 349 | 16 | 45 | 40 | 213 | 45 | 562 |
| 05:00 | | 2 | 66 | | | 17 | 49 | | | | |
| 05:15 | | 5 | **93** | | | 14 | 43 | | | | |
| 05:30 | | 1 | **98** | | | 21 | 58 | | | | |
| 05:45 | | 5 | **96** | 13 | 353 | 19 | 68 | 71 | 218 | 84 | 571 |
| 06:00 | | 7 | **95** | | | 21 | 53 | | | | |
| 06:15 | | 14 | 76 | | | 29 | 40 | | | | |
| 06:30 | | 12 | 69 | | | 42 | 37 | | | | |
| 06:45 | | 22 | 73 | 55 | 313 | 50 | 23 | 142 | 153 | 197 | 466 |
| 07:00 | | 33 | 43 | | | 62 | 39 | | | | |
| 07:15 | | **61** | 47 | | | **84** | 36 | | | | |
| 07:30 | | **81** | 41 | | | **83** | 25 | | | | |
| 07:45 | | **77** | 56 | 252 | 187 | **94** | 21 | 323 | 121 | 575 | 308 |
| 08:00 | | **55** | 35 | | | **63** | 22 | | | | |
| 08:15 | | 58 | 35 | | | 83 | 25 | | | | |
| 08:30 | | 64 | 27 | | | 68 | 19 | | | | |
| 08:45 | | 31 | 36 | 208 | 133 | 74 | 19 | 288 | 85 | 496 | 218 |
| 09:00 | | 37 | 19 | | | 36 | 21 | | | | |
| 09:15 | | 40 | 36 | | | 35 | 19 | | | | |
| 09:30 | | 23 | 25 | | | 41 | 21 | | | | |
| 09:45 | | 35 | 17 | 135 | 97 | 34 | 11 | 146 | 72 | 281 | 169 |
| 10:00 | | 27 | 14 | | | 48 | 11 | | | | |
| 10:15 | | 28 | 17 | | | 35 | 12 | | | | |
| 10:30 | | 25 | 10 | | | 38 | 6 | | | | |
| 10:45 | | 41 | 5 | 121 | 46 | 30 | 7 | 151 | 36 | 272 | 82 |
| 11:00 | | 39 | 7 | | | 43 | 2 | | | | |
| 11:15 | | 53 | 10 | | | 35 | 5 | | | | |
| 11:30 | | 29 | 3 | | | 31 | 3 | | | | |
| 11:45 | | 45 | 10 | 166 | 30 | 28 | 4 | 137 | 14 | 303 | 44 |
| Total | | 1000 | 2372 | 1000 | 2372 | 1328 | 1669 | 1328 | 1669 | 2328 | 4041 |
| Combined Total | | 3372 | | 3372 | | 2997 | | 2997 | | 6369 | |
| AM Peak | | 07:15 | | | | 07:15 | | | | | |
| Vol. | | 274 | | | | 324 | | | | | |
| P.H.F. | | 0.846 | | | | 0.862 | | | | | |
| PM Peak | | | 05:15 | | | | 03:15 | | | | |
| Vol. | | | 382 | | | | 271 | | | | |
| P.H.F. | | | 0.974 | | | | 0.807 | | | | |
| Percentage | | 29.7% | 70.3% | | | 44.3% | 55.7% | | | | |
| ADT/AADT | | ADT 6,369 | | AADT 6,369 | | | | | | | |

# APPENDIX 4.3

Existing (2012) Intersection Peak Hour Analysis

Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.193
Loss Time (sec): 12 Average Delay (sec/veh): 19.2
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 39 | 0 | 39 | 10 | 10 | 0 | 0 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 2 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 155 | 0 | 239 | 70 | 370 | 0 | 0 | 481 | 81 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 155 | 0 | 239 | 70 | 370 | 0 | 0 | 481 | 81 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| PHF Volume: | 0 | 0 | 0 | 165 | 0 | 255 | 75 | 394 | 0 | 0 | 513 | 86 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 165 | 0 | 255 | 75 | 394 | 0 | 0 | 513 | 86 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 165 | 0 | 255 | 75 | 394 | 0 | 0 | 513 | 86 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.75 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 2.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 2842 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.09 | 0.02 | 0.08 | 0.00 | 0.00 | 0.10 | 0.05 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.46 | 0.11 | 0.43 | 0.00 | 0.00 | 0.31 | 0.31 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.19 | 0.19 | 0.18 | 0.00 | 0.00 | 0.31 | 0.17 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 13.5 | 0.0 | 14.1 | 36.1 | 15.9 | 0.0 | 0.0 | 23.3 | 22.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 13.5 | 0.0 | 14.1 | 36.1 | 15.9 | 0.0 | 0.0 | 23.3 | 22.2 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 4 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

Cycle (sec): 100 Critical Vol./Cap.(X): 0.284
Loss Time (sec): 16 Average Delay (sec/veh): 30.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 1 | | 0 1 | 1 0 2 | | 0 1 | 1 0 1 | | 0 1 | 2 0 1 | | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 1 | 130 | 120 | 121 | 192 | 18 | 11 | 19 | 2 | 178 | 10 | 118 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 1 | 130 | 120 | 121 | 192 | 18 | 11 | 19 | 2 | 178 | 10 | 118 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| PHF Volume: | 1 | 141 | 130 | 131 | 208 | 19 | 12 | 21 | 2 | 193 | 11 | 128 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 1 | 141 | 130 | 131 | 208 | 19 | 12 | 21 | 2 | 193 | 11 | 128 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 1 | 141 | 130 | 131 | 208 | 19 | 12 | 21 | 2 | 193 | 11 | 128 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 0.92 | 1.00 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 3610 | 1615 | 1805 | 1900 | 1615 | 3502 | 1900 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.07 | 0.08 | 0.07 | 0.06 | 0.01 | 0.01 | 0.01 | 0.00 | 0.06 | 0.01 | 0.08 |
| Crit Moves: | | | **** | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.11 | 0.34 | 0.34 | 0.14 | 0.37 | 0.37 | 0.10 | 0.26 | 0.26 | 0.10 | 0.26 | 0.26 |
| Volume/Cap: | 0.01 | 0.22 | 0.24 | 0.52 | 0.16 | 0.03 | 0.07 | 0.04 | 0.01 | 0.55 | 0.02 | 0.30 |
| Delay/Veh: | 39.7 | 23.7 | 23.9 | 41.8 | 21.1 | 20.1 | 40.9 | 27.7 | 27.4 | 44.7 | 27.6 | 30.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 39.7 | 23.7 | 23.9 | 41.8 | 21.1 | 20.1 | 40.9 | 27.7 | 27.4 | 44.7 | 27.6 | 30.1 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 3 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.604 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 14.1 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 0 0 | 1! 0 | 0 | 0 1 | 0 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 0 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 91 | 126 | 119 | 9 | 26 | 10 | 1 | 222 | 35 | 97 | 195 | 22 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 91 | 126 | 119 | 9 | 26 | 10 | 1 | 222 | 35 | 97 | 195 | 22 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 94 | 131 | 123 | 9 | 27 | 10 | 1 | 230 | 36 | 101 | 202 | 23 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 94 | 131 | 123 | 9 | 27 | 10 | 1 | 230 | 36 | 101 | 202 | 23 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 94 | 131 | 123 | 9 | 27 | 10 | 1 | 230 | 36 | 101 | 202 | 23 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 0.27 | 0.38 | 0.35 | 0.26 | 0.74 | 1.00 | 1.00 | 0.86 | 0.14 | 1.00 | 0.90 | 0.10 |
| Final Sat.: | 156 | 216 | 204 | 122 | 352 | 532 | 517 | 490 | 77 | 524 | 514 | 58 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.60 | 0.60 | 0.60 | 0.08 | 0.08 | 0.02 | 0.00 | 0.47 | 0.47 | 0.19 | 0.39 | 0.39 |
| Crit Moves: | **** | | | **** | | | **** | | | **** | | |
| Delay/Veh: | 17.1 | 17.1 | 17.1 | 10.1 | 10.1 | 8.8 | 9.4 | 13.7 | 13.7 | 10.8 | 12.3 | 12.3 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 17.1 | 17.1 | 17.1 | 10.1 | 10.1 | 8.8 | 9.4 | 13.7 | 13.7 | 10.8 | 12.3 | 12.3 |
| LOS by Move: | C | C | C | B | B | A | A | B | B | B | B | B |
| ApproachDel: | 17.1 | | | 9.8 | | | 13.6 | | | 11.9 | | |
| Delay Adj: | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | | |
| ApprAdjDel: | 17.1 | | | 9.8 | | | 13.6 | | | 11.9 | | |
| LOS by Appr: | C | | | A | | | B | | | B | | |
| AllWayAvgQ: | 1.3 | 1.3 | 1.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.8 | 0.8 | 0.2 | 0.6 | 0.6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 85 Critical Vol./Cap.(X): 0.265
Loss Time (sec): 16 Average Delay (sec/veh): 28.9
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Split Phase | | | Split Phase | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 21 | 21 | 21 | 21 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 2 | 0 1 | 1 0 | 2 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 2 | 150 | 96 | 68 | 172 | 61 | 74 | 106 | 3 | 90 | 53 | 68 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 2 | 150 | 96 | 68 | 172 | 61 | 74 | 106 | 3 | 90 | 53 | 68 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| PHF Volume: | 2 | 164 | 105 | 74 | 188 | 67 | 81 | 116 | 3 | 98 | 58 | 74 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 2 | 164 | 105 | 74 | 188 | 67 | 81 | 116 | 3 | 98 | 58 | 74 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 2 | 164 | 105 | 74 | 188 | 67 | 81 | 116 | 3 | 98 | 58 | 74 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.89 | 0.89 | 0.95 | 0.91 | 0.91 | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 1.22 | 0.78 | 1.00 | 1.48 | 0.52 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 2074 | 1327 | 1805 | 2561 | 908 | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.08 | 0.08 | 0.04 | 0.07 | 0.07 | 0.04 | 0.03 | 0.00 | 0.05 | 0.02 | 0.05 |
| Crit Moves: | | **** | | **** | | | **** | | | **** | | |
| Green/Cycle: | 0.11 | 0.27 | 0.27 | 0.11 | 0.27 | 0.27 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| Volume/Cap: | 0.01 | 0.29 | 0.29 | 0.38 | 0.27 | 0.27 | 0.20 | 0.14 | 0.01 | 0.24 | 0.07 | 0.20 |
| Delay/Veh: | 37.1 | 27.2 | 27.2 | 39.9 | 27.0 | 27.0 | 29.4 | 28.9 | 27.9 | 29.8 | 28.4 | 29.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 37.1 | 27.2 | 27.2 | 39.9 | 27.0 | 27.0 | 29.4 | 28.9 | 27.9 | 29.8 | 28.4 | 29.5 |
| LOS by Move: | D | C | C | D | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 3 | 3 | 2 | 3 | 3 | 2 | 1 | 0 | 2 | 1 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.174
Loss Time (sec): 16 Average Delay (sec/veh): 23.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 7 | 195 | 34 | 22 | 213 | 46 | 10 | 46 | 38 | 33 | 18 | 18 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 7 | 195 | 34 | 22 | 213 | 46 | 10 | 46 | 38 | 33 | 18 | 18 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| PHF Volume: | 8 | 225 | 39 | 25 | 246 | 53 | 12 | 53 | 44 | 38 | 21 | 21 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 8 | 225 | 39 | 25 | 246 | 53 | 12 | 53 | 44 | 38 | 21 | 21 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 8 | 225 | 39 | 25 | 246 | 53 | 12 | 53 | 44 | 38 | 21 | 21 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.93 | 0.93 | 0.95 | 0.92 | 0.92 | 0.95 | 0.89 | 0.89 | 0.95 | 0.88 | 0.88 |
| Lanes: | 1.00 | 1.70 | 0.30 | 1.00 | 1.64 | 0.36 | 1.00 | 1.10 | 0.90 | 1.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 3006 | 524 | 1805 | 2889 | 624 | 1805 | 1842 | 1522 | 1805 | 1670 | 1670 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.07 | 0.07 | 0.01 | 0.09 | 0.09 | 0.01 | 0.03 | 0.03 | 0.02 | 0.01 | 0.01 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 |
| Volume/Cap: | 0.04 | 0.27 | 0.27 | 0.11 | 0.31 | 0.31 | 0.05 | 0.10 | 0.10 | 0.17 | 0.05 | 0.05 |
| Delay/Veh: | 30.8 | 22.9 | 22.9 | 31.3 | 23.2 | 23.2 | 30.9 | 21.7 | 21.7 | 31.6 | 21.3 | 21.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 30.8 | 22.9 | 22.9 | 31.3 | 23.2 | 23.2 | 30.9 | 21.7 | 21.7 | 31.6 | 21.3 | 21.3 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 3 | 3 | 1 | 3 | 3 | 0 | 1 | 1 | 1 | 0 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.546
Loss Time (sec): 16 Average Delay (sec/veh): 50.7
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 19 | 38 | 26 | 445 | 41 | 114 | 103 | 674 | 15 | 46 | 545 | 195 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 19 | 38 | 26 | 445 | 41 | 114 | 103 | 674 | 15 | 46 | 545 | 195 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 20 | 41 | 28 | 478 | 44 | 122 | 111 | 724 | 16 | 49 | 585 | 209 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 20 | 41 | 28 | 478 | 44 | 122 | 111 | 724 | 16 | 49 | 585 | 209 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 20 | 41 | 28 | 478 | 44 | 122 | 111 | 724 | 16 | 49 | 585 | 209 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.01 | 0.02 | 0.26 | 0.01 | 0.08 | 0.06 | 0.14 | 0.01 | 0.03 | 0.11 | 0.13 |
| Crit Moves: | | | **** | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.12 | 0.28 | 0.28 | 0.26 | 0.42 | 0.42 | 0.08 | 0.24 | 0.24 | 0.08 | 0.24 | 0.24 |
| Volume/Cap: | 0.09 | 0.04 | 0.06 | 1.03 | 0.03 | 0.18 | 0.74 | 0.58 | 0.04 | 0.33 | 0.47 | 0.54 |
| Delay/Veh: | 46.8 | 31.2 | 31.4 | 92.7 | 20.5 | 22.1 | 70.9 | 40.8 | 34.9 | 53.1 | 39.2 | 41.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 46.8 | 31.2 | 31.4 | 92.7 | 20.5 | 22.1 | 70.9 | 40.8 | 34.9 | 53.1 | 39.2 | 41.1 |
| LOS by Move: | D | C | C | F | C | C | E | D | C | D | D | D |
| HCM2kAvgQ: | 1 | 1 | 1 | 24 | 0 | 3 | 6 | 9 | 0 | 2 | 7 | 7 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.577 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 13.8 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 0 0 0 0 0 | | | 0 0 1! 0 0 | | | 0 1 0 0 0 | | | 0 0 0 1 0 | | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 86 | 0 | 153 | 84 | 254 | 0 | 0 | 275 | 70 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 86 | 0 | 153 | 84 | 254 | 0 | 0 | 275 | 70 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| PHF Volume: | 0 | 0 | 0 | 99 | 0 | 175 | 96 | 291 | 0 | 0 | 315 | 80 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 99 | 0 | 175 | 96 | 291 | 0 | 0 | 315 | 80 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 99 | 0 | 175 | 96 | 291 | 0 | 0 | 315 | 80 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 0.00 | 0.00 | 0.00 | 0.35 | 0.01 | 0.64 | 0.25 | 0.75 | 0.00 | 0.00 | 0.80 | 0.20 |
| Final Sat.: | 0 | 0 | 0 | 225 | 0 | 400 | 167 | 504 | 0 | 0 | 552 | 140 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | xxxx | xxxx | xxxx | 0.44 | 0.00 | 0.44 | 0.58 | 0.58 | xxxx | xxxx | 0.57 | 0.57 |
| Crit Moves: | | | | **** | | | | **** | | | | **** |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 12.0 | 14.6 | 14.6 | 0.0 | 0.0 | 14.1 | 14.1 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 12.0 | 14.6 | 14.6 | 0.0 | 0.0 | 14.1 | 14.1 |
| LOS by Move: | * | * | * | B | B | B | B | B | * | * | B | B |
| ApproachDel: | xxxxxx | | | 12.0 | | | 14.6 | | | 14.1 | | |
| Delay Adj: | xxxxx | | | 1.00 | | | 1.00 | | | 1.00 | | |
| ApprAdjDel: | xxxxxx | | | 12.0 | | | 14.6 | | | 14.1 | | |
| LOS by Appr: | * | | | B | | | B | | | B | | |
| AllWayAvgQ: | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 Critical Vol./Cap.(X): 0.782
Loss Time (sec): 16 Average Delay (sec/veh): 58.6
Optimal Cycle: OPTIMIZED Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 26 | 26 | 26 | 10 | 18 | 18 | 10 | 18 | 18 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 37 | 34 | 295 | 117 | 63 | 10 | 29 | 470 | 60 | 451 | 411 | 52 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 37 | 34 | 295 | 117 | 63 | 10 | 29 | 470 | 60 | 451 | 411 | 52 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 40 | 37 | 319 | 126 | 68 | 11 | 31 | 508 | 65 | 487 | 444 | 56 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 40 | 37 | 319 | 126 | 68 | 11 | 31 | 508 | 65 | 487 | 444 | 56 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 40 | 37 | 319 | 126 | 68 | 11 | 31 | 508 | 65 | 487 | 444 | 56 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.98 | 0.98 | 0.95 | 0.95 | 0.85 | 0.95 | 0.93 | 0.93 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 0.86 | 0.14 | 1.00 | 2.00 | 1.00 | 1.00 | 1.78 | 0.22 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 1605 | 255 | 1805 | 3610 | 1615 | 1805 | 3150 | 399 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.02 | 0.20 | 0.07 | 0.04 | 0.04 | 0.02 | 0.14 | 0.04 | 0.27 | 0.14 | 0.14 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.16 | 0.15 | 0.15 | 0.29 | 0.28 | 0.28 |
| Volume/Cap: | 0.10 | 0.09 | 0.93 | 0.32 | 0.20 | 0.20 | 0.11 | 0.93 | 0.27 | 0.93 | 0.50 | 0.50 |
| Delay/Veh: | 38.3 | 38.2 | 78.8 | 40.1 | 38.7 | 38.7 | 43.6 | 74.0 | 45.7 | 65.9 | 36.4 | 36.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 38.3 | 38.2 | 78.8 | 40.1 | 38.7 | 38.7 | 43.6 | 74.0 | 45.7 | 65.9 | 36.4 | 36.4 |
| LOS by Move: | D | D | E | D | D | D | D | E | D | E | D | D |
| HCM2kAvgQ: | 1 | 1 | 16 | 4 | 2 | 2 | 1 | 14 | 2 | 22 | 8 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.402 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 10.4 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 1 0 1 | 0 0 | | 0 0 1 | 0 1 | | 1 0 0 | 0 1 | | 0 0 0 | 0 0 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 82 | 233 | 0 | 0 | 215 | 43 | 55 | 0 | 53 | 0 | 0 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 82 | 233 | 0 | 0 | 215 | 43 | 55 | 0 | 53 | 0 | 0 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| PHF Volume: | 97 | 276 | 0 | 0 | 255 | 51 | 65 | 0 | 63 | 0 | 0 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 97 | 276 | 0 | 0 | 255 | 51 | 65 | 0 | 63 | 0 | 0 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 97 | 276 | 0 | 0 | 255 | 51 | 65 | 0 | 63 | 0 | 0 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| Final Sat.: | 626 | 688 | 0 | 0 | 676 | 772 | 520 | 0 | 627 | 0 | 0 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.16 | 0.40 | xxxx | xxxx | 0.38 | 0.07 | 0.13 | xxxx | 0.10 | xxxx | xxxx | xxxx |
| Crit Moves: | | **** | | | **** | | **** | | | | | |
| Delay/Veh: | 9.4 | 11.2 | 0.0 | 0.0 | 11.0 | 7.5 | 10.1 | 0.0 | 8.6 | 0.0 | 0.0 | 0.0 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 9.4 | 11.2 | 0.0 | 0.0 | 11.0 | 7.5 | 10.1 | 0.0 | 8.6 | 0.0 | 0.0 | 0.0 |
| LOS by Move: | A | B | * | * | B | A | B | * | A | * | * | * |
| ApproachDel: | | 10.7 | | | 10.4 | | | 9.3 | | | xxxxxx | |
| Delay Adj: | | 1.00 | | | 1.00 | | | 1.00 | | | xxxxx | |
| ApprAdjDel: | | 10.7 | | | 10.4 | | | 9.3 | | | xxxxxx | |
| LOS by Appr: | | B | | | B | | | A | | | * | |
| AllWayAvgQ: | 0.2 | 0.6 | 0.0 | 0.0 | 0.6 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 110 Critical Vol./Cap.(X): 0.689
Loss Time (sec): 16 Average Delay (sec/veh): 39.6
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 10 | 10 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 174 | 246 | 325 | 201 | 205 | 93 | 119 | 792 | 119 | 225 | 555 | 128 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 174 | 246 | 325 | 201 | 205 | 93 | 119 | 792 | 119 | 225 | 555 | 128 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| PHF Volume: | 195 | 276 | 365 | 226 | 230 | 104 | 134 | 889 | 134 | 253 | 623 | 144 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 195 | 276 | 365 | 226 | 230 | 104 | 134 | 889 | 134 | 253 | 623 | 144 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 195 | 276 | 365 | 226 | 230 | 104 | 134 | 889 | 134 | 253 | 623 | 144 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.91 | 0.91 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 1.38 | 0.62 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 2367 | 1074 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.15 | 0.23 | 0.12 | 0.10 | 0.10 | 0.07 | 0.25 | 0.08 | 0.07 | 0.12 | 0.09 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.25 | 0.32 | 0.41 | 0.15 | 0.22 | 0.22 | 0.10 | 0.30 | 0.30 | 0.09 | 0.28 | 0.28 |
| Volume/Cap: | 0.44 | 0.46 | 0.55 | 0.83 | 0.44 | 0.44 | 0.71 | 0.83 | 0.28 | 0.79 | 0.43 | 0.32 |
| Delay/Veh: | 35.7 | 30.5 | 25.8 | 64.8 | 37.3 | 37.3 | 59.4 | 42.0 | 30.1 | 61.8 | 32.4 | 31.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 35.7 | 30.5 | 25.8 | 64.8 | 37.3 | 37.3 | 59.4 | 42.0 | 30.1 | 61.8 | 32.4 | 31.5 |
| LOS by Move: | D | C | C | E | D | D | E | D | C | E | C | C |
| HCM2kAvgQ: | 6 | 8 | 10 | 10 | 5 | 5 | 6 | 17 | 4 | 6 | 6 | 4 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 441 | 318 | 113 | 440 | 0 | 0 | 0 | 0 | 43 | 1 | 141 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 5.0 | 6.0 | | | | | | 5.0 | 5.0 |
| Lane Util. Factor | | 1.00 | 1.00 | 1.00 | 0.95 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 1863 | 1553 | 1736 | 3438 | | | | | | 1593 | 1483 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 1863 | 1553 | 1736 | 3438 | | | | | | 1593 | 1483 |
| Peak-hour factor, PHF | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| Adj. Flow (vph) | 0 | 469 | 338 | 120 | 468 | 0 | 0 | 0 | 0 | 46 | 1 | 150 |
| RTOR Reduction (vph) | 0 | 0 | 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| Lane Group Flow (vph) | 0 | 469 | 204 | 120 | 468 | 0 | 0 | 0 | 0 | 0 | 47 | 17 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 4% | 4% | 5% | 0% | 0% | 0% | 0% | 14% | 0% | 7% |
| Turn Type | | | Perm | Prot | | | | | | Split | | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 7 | 7 | |
| Permitted Phases | | | 2 | | | | | | | | | 7 |
| Actuated Green, G (s) | | 60.3 | 60.3 | 12.2 | 77.5 | | | | | | 11.5 | 11.5 |
| Effective Green, g (s) | | 60.3 | 60.3 | 12.2 | 77.5 | | | | | | 11.5 | 11.5 |
| Actuated g/C Ratio | | 0.60 | 0.60 | 0.12 | 0.78 | | | | | | 0.12 | 0.12 |
| Clearance Time (s) | | 6.0 | 6.0 | 5.0 | 6.0 | | | | | | 5.0 | 5.0 |
| Vehicle Extension (s) | | 3.0 | 3.0 | 3.0 | 3.0 | | | | | | 3.0 | 3.0 |
| Lane Grp Cap (vph) | | 1123 | 936 | 212 | 2664 | | | | | | 183 | 171 |
| v/s Ratio Prot | | c0.25 | | c0.07 | 0.14 | | | | | | c0.03 | |
| v/s Ratio Perm | | | 0.13 | | | | | | | | | 0.01 |
| v/c Ratio | | 0.42 | 0.22 | 0.57 | 0.18 | | | | | | 0.26 | 0.10 |
| Uniform Delay, d1 | | 10.5 | 9.1 | 41.4 | 2.9 | | | | | | 40.4 | 39.6 |
| Progression Factor | | 1.00 | 1.00 | 1.06 | 1.24 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.1 | 0.5 | 3.0 | 0.1 | | | | | | 0.7 | 0.3 |
| Delay (s) | | 11.7 | 9.6 | 46.8 | 3.8 | | | | | | 41.1 | 39.9 |
| Level of Service | | B | A | D | A | | | | | | D | D |
| Approach Delay (s) | | 10.8 | | | 12.6 | | | 0.0 | | | 40.2 | |
| Approach LOS | | B | | | B | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.1 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.42 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 52.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | SBL2 | SBL | SBR | NWL | NWR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | |
| Volume (vph) | 0 | 648 | 234 | 389 | 730 | 0 | 120 | 0 | 184 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 4.5 | 4.0 | 3.5 | 5.0 | | | 4.5 | 4.5 | | |
| Lane Util. Factor | | 0.95 | 1.00 | 1.00 | 0.95 | | | 1.00 | 1.00 | | |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | 1.00 | 0.85 | | |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | 0.95 | 1.00 | | |
| Satd. Flow (prot) | | 3471 | 1553 | 1719 | 3539 | | | 1687 | 1495 | | |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | 0.95 | 1.00 | | |
| Satd. Flow (perm) | | 3471 | 1553 | 1719 | 3539 | | | 1687 | 1495 | | |
| Peak-hour factor, PHF | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| Adj. Flow (vph) | 0 | 697 | 252 | 418 | 785 | 0 | 129 | 0 | 198 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 697 | 252 | 418 | 785 | 0 | 0 | 129 | 24 | 0 | 0 |
| Heavy Vehicles (%) | 0% | 4% | 4% | 5% | 2% | 0% | 7% | 0% | 8% | 0% | 0% |
| Turn Type | | | Free | Prot | | | Split | | Perm | | |
| Protected Phases | | 2 | | 1 | 6 | | 4 | 4 | | | |
| Permitted Phases | | | Free | | | | | | 4 | | |
| Actuated Green, G (s) | | 45.8 | 100.0 | 29.7 | 78.5 | | | 12.0 | 12.0 | | |
| Effective Green, g (s) | | 45.8 | 100.0 | 29.7 | 78.5 | | | 12.0 | 12.0 | | |
| Actuated g/C Ratio | | 0.46 | 1.00 | 0.30 | 0.78 | | | 0.12 | 0.12 | | |
| Clearance Time (s) | | 4.5 | | 3.5 | 5.0 | | | 4.5 | 4.5 | | |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | 2.0 | 2.0 | | |
| Lane Grp Cap (vph) | | 1590 | 1553 | 511 | 2778 | | | 202 | 179 | | |
| v/s Ratio Prot | | c0.20 | | c0.24 | 0.22 | | | c0.08 | | | |
| v/s Ratio Perm | | | 0.16 | | | | | | 0.02 | | |
| v/c Ratio | | 0.44 | 0.16 | 0.82 | 0.28 | | | 0.64 | 0.13 | | |
| Uniform Delay, d1 | | 18.4 | 0.0 | 32.6 | 3.0 | | | 41.9 | 39.3 | | |
| Progression Factor | | 1.00 | 1.00 | 0.70 | 1.46 | | | 1.00 | 1.00 | | |
| Incremental Delay, d2 | | 0.9 | 0.2 | 8.0 | 0.2 | | | 4.8 | 0.1 | | |
| Delay (s) | | 19.3 | 0.2 | 30.7 | 4.6 | | | 46.7 | 39.5 | | |
| Level of Service | | B | A | C | A | | | D | D | | |
| Approach Delay (s) | | 14.2 | | | 13.6 | | | 42.3 | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 17.6 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.59 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 12.5 |
| Intersection Capacity Utilization | 60.7% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.492 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 37.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 85 | 35 | 224 | 90 | 41 | 42 | 95 | 1050 | 139 | 334 | 784 | 247 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 85 | 35 | 224 | 90 | 41 | 42 | 95 | 1050 | 139 | 334 | 784 | 247 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| PHF Volume: | 90 | 37 | 237 | 95 | 43 | 44 | 101 | 1112 | 147 | 354 | 831 | 262 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 90 | 37 | 237 | 95 | 43 | 44 | 101 | 1112 | 147 | 354 | 831 | 262 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 90 | 37 | 237 | 95 | 43 | 44 | 101 | 1112 | 147 | 354 | 831 | 262 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.02 | 0.08 | 0.03 | 0.02 | 0.03 | 0.03 | 0.21 | 0.09 | 0.10 | 0.23 | 0.16 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.33 | 0.08 | 0.33 | 0.33 | 0.11 | 0.31 | 0.31 | 0.15 | 0.35 | 0.35 |
| Volume/Cap: | 0.31 | 0.06 | 0.26 | 0.33 | 0.07 | 0.08 | 0.26 | 0.69 | 0.29 | 0.69 | 0.66 | 0.47 |
| Delay/Veh: | 52.4 | 27.9 | 30.0 | 52.5 | 28.0 | 28.2 | 49.1 | 37.5 | 31.6 | 52.5 | 34.6 | 31.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.4 | 27.9 | 30.0 | 52.5 | 28.0 | 28.2 | 49.1 | 37.5 | 31.6 | 52.5 | 34.6 | 31.2 |
| LOS by Move: | D | C | C | D | C | C | D | D | C | D | C | C |
| HCM2kAvgQ: | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 14 | 4 | 8 | 14 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

Cycle (sec): 110 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 16 Average Delay (sec/veh): 40.4
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 24 | 24 | 24 | 24 | 24 | 24 | 10 | 10 | 10 | 10 | 18 | 18 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 1! 0 | 0 | 1 0 | 0 1 | 0 | 1 0 | 1 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 5 | 30 | 1 | 403 | 9 | 61 | 62 | 344 | 8 | 5 | 312 | 267 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 5 | 30 | 1 | 403 | 9 | 61 | 62 | 344 | 8 | 5 | 312 | 267 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| PHF Volume: | 6 | 35 | 1 | 474 | 11 | 72 | 73 | 405 | 9 | 6 | 367 | 314 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 6 | 35 | 1 | 474 | 11 | 72 | 73 | 405 | 9 | 6 | 367 | 314 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 6 | 35 | 1 | 474 | 11 | 72 | 73 | 405 | 9 | 6 | 367 | 314 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.94 | 0.94 | 0.94 | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.75 | 0.03 | 0.22 | 1.00 | 0.98 | 0.02 | 1.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 3114 | 59 | 402 | 1805 | 1851 | 43 | 1805 | 1900 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.02 | 0.00 | 0.15 | 0.18 | 0.18 | 0.04 | 0.22 | 0.22 | 0.00 | 0.19 | 0.19 |
| Crit Moves: | | **** | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.22 | 0.22 | 0.22 | 0.25 | 0.25 | 0.25 | 0.12 | 0.30 | 0.30 | 0.09 | 0.27 | 0.27 |
| Volume/Cap: | 0.01 | 0.09 | 0.00 | 0.62 | 0.73 | 0.73 | 0.32 | 0.73 | 0.73 | 0.04 | 0.72 | 0.73 |
| Delay/Veh: | 33.7 | 34.3 | 33.6 | 38.3 | 41.7 | 41.7 | 44.8 | 39.2 | 39.2 | 45.7 | 41.8 | 43.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 33.7 | 34.3 | 33.6 | 38.3 | 41.7 | 41.7 | 44.8 | 39.2 | 39.2 | 45.7 | 41.8 | 43.0 |
| LOS by Move: | C | C | C | D | D | D | D | D | D | D | D | D |
| HCM2kAvgQ: | 0 | 1 | 0 | 9 | 11 | 11 | 3 | 14 | 14 | 0 | 13 | 11 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 940 | 424 | 621 | 1121 | 0 | 0 | 0 | 0 | 397 | 0 | 244 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | 0.95 | 1.00 | 1.00 | 0.95 | | | | | 0.95 | 0.91 | 0.95 |
| Frpb, ped/bikes | | 1.00 | 0.98 | 1.00 | 1.00 | | | | | 1.00 | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | 1.00 | 0.97 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | 0.95 | 0.96 | 1.00 |
| Satd. Flow (prot) | | 3505 | 1569 | 1736 | 3539 | | | | | 1603 | 1518 | 1486 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | 0.95 | 0.96 | 1.00 |
| Satd. Flow (perm) | | 3505 | 1569 | 1736 | 3539 | | | | | 1603 | 1518 | 1486 |
| Peak-hour factor, PHF | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| Adj. Flow (vph) | 0 | 1011 | 456 | 668 | 1205 | 0 | 0 | 0 | 0 | 427 | 0 | 262 |
| RTOR Reduction (vph) | 0 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 111 |
| Lane Group Flow (vph) | 0 | 1011 | 209 | 668 | 1205 | 0 | 0 | 0 | 0 | 239 | 227 | 104 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 3% | 1% | 4% | 2% | 0% | 0% | 0% | 0% | 7% | 0% | 1% |
| Turn Type | | | Perm | Prot | | | | | | Split | | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | 2 | | | | | | | | | 4 |
| Actuated Green, G (s) | | 38.0 | 38.0 | 47.5 | 90.0 | | | | | 18.0 | 18.0 | 18.0 |
| Effective Green, g (s) | | 38.0 | 38.0 | 47.5 | 90.0 | | | | | 18.0 | 18.0 | 18.0 |
| Actuated g/C Ratio | | 0.32 | 0.32 | 0.40 | 0.75 | | | | | 0.15 | 0.15 | 0.15 |
| Clearance Time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | 2.0 | 2.0 | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 1110 | 497 | 687 | 2654 | | | | | 240 | 228 | 223 |
| v/s Ratio Prot | | c0.29 | | c0.38 | 0.34 | | | | | 0.15 | c0.15 | |
| v/s Ratio Perm | | | 0.13 | | | | | | | | | 0.07 |
| v/c Ratio | | 0.91 | 0.42 | 0.97 | 0.45 | | | | | 1.00 | 1.00 | 0.46 |
| Uniform Delay, d1 | | 39.4 | 32.3 | 35.6 | 5.7 | | | | | 51.0 | 51.0 | 46.6 |
| Progression Factor | | 0.31 | 0.34 | 0.67 | 0.33 | | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 10.7 | 2.1 | 15.2 | 0.2 | | | | | 56.5 | 58.3 | 0.6 |
| Delay (s) | | 22.9 | 13.2 | 39.2 | 2.1 | | | | | 107.5 | 109.3 | 47.2 |
| Level of Service | | C | B | D | A | | | | | F | F | D |
| Approach Delay (s) | | 19.9 | | | 15.3 | | | 0.0 | | | 89.3 | |
| Approach LOS | | B | | | B | | | A | | | F | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 29.6 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.95 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 88.5% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 404 | 344 | 464 | 489 | 0 | 0 | 0 | 0 | 282 | 0 | 95 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 0.97 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 1776 | 1568 | 1787 | 1827 | | | | | | 1736 | 1517 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 1776 | 1568 | 1787 | 1827 | | | | | | 1736 | 1517 |
| Peak-hour factor, PHF | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| Adj. Flow (vph) | 0 | 444 | 378 | 510 | 537 | 0 | 0 | 0 | 0 | 310 | 0 | 104 |
| RTOR Reduction (vph) | 0 | 0 | 263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| Lane Group Flow (vph) | 0 | 444 | 115 | 510 | 537 | 0 | 0 | 0 | 0 | 0 | 310 | 21 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 7% | 3% | 1% | 4% | 0% | 0% | 0% | 0% | 4% | 0% | 3% |
| Turn Type | | | Perm | Prot | | | | | | Split | | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | 2 | | | | | | | | | 4 |
| Actuated Green, G (s) | | 29.0 | 29.0 | 30.5 | 64.0 | | | | | | 19.0 | 19.0 |
| Effective Green, g (s) | | 29.0 | 29.0 | 30.5 | 64.0 | | | | | | 19.0 | 19.0 |
| Actuated g/C Ratio | | 0.31 | 0.31 | 0.32 | 0.67 | | | | | | 0.20 | 0.20 |
| Clearance Time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | 2.0 | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 542 | 479 | 574 | 1231 | | | | | | 347 | 303 |
| v/s Ratio Prot | | c0.25 | | c0.29 | 0.29 | | | | | | c0.18 | |
| v/s Ratio Perm | | | 0.07 | | | | | | | | | 0.01 |
| v/c Ratio | | 0.82 | 0.24 | 0.89 | 0.44 | | | | | | 0.89 | 0.07 |
| Uniform Delay, d1 | | 30.6 | 24.7 | 30.6 | 7.2 | | | | | | 37.0 | 30.8 |
| Progression Factor | | 1.00 | 1.00 | 0.76 | 0.28 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 13.0 | 1.2 | 11.3 | 0.8 | | | | | | 27.6 | 0.4 |
| Delay (s) | | 43.5 | 25.9 | 34.5 | 2.8 | | | | | | 64.6 | 31.3 |
| Level of Service | | D | C | C | A | | | | | | E | C |
| Approach Delay (s) | | 35.4 | | | 18.3 | | | 0.0 | | | 56.2 | |
| Approach LOS | | D | | | B | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 31.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.86 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 76.4% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 164 | 320 | 0 | 0 | 290 | 43 | 263 | 6 | 138 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 6.0 | | | 6.0 | 6.0 | | 5.0 | 5.0 | | | |
| Lane Util. Factor | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 0.97 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1719 | 1863 | | | 1845 | 1482 | | 1711 | 1476 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1719 | 1863 | | | 1845 | 1482 | | 1711 | 1476 | | | |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Adj. Flow (vph) | 182 | 356 | 0 | 0 | 322 | 48 | 292 | 7 | 153 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 120 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 182 | 356 | 0 | 0 | 322 | 22 | 0 | 299 | 33 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 5% | 2% | 0% | 0% | 3% | 9% | 6% | 0% | 6% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Perm | Split | | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | |
| Actuated Green, G (s) | 15.8 | 67.5 | | | 46.7 | 46.7 | | 21.5 | 21.5 | | | |
| Effective Green, g (s) | 15.8 | 67.5 | | | 46.7 | 46.7 | | 21.5 | 21.5 | | | |
| Actuated g/C Ratio | 0.16 | 0.68 | | | 0.47 | 0.47 | | 0.22 | 0.22 | | | |
| Clearance Time (s) | 5.0 | 6.0 | | | 6.0 | 6.0 | | 5.0 | 5.0 | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | | 3.0 | 3.0 | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 272 | 1258 | | | 862 | 692 | | 368 | 317 | | | |
| v/s Ratio Prot | c0.11 | 0.19 | | | c0.17 | | | c0.17 | | | | |
| v/s Ratio Perm | | | | | | 0.02 | | | 0.02 | | | |
| v/c Ratio | 0.67 | 0.28 | | | 0.37 | 0.03 | | 0.81 | 0.10 | | | |
| Uniform Delay, d1 | 39.6 | 6.5 | | | 17.2 | 14.4 | | 37.3 | 31.5 | | | |
| Progression Factor | 0.99 | 0.32 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 5.8 | 0.5 | | | 1.2 | 0.1 | | 12.8 | 0.1 | | | |
| Delay (s) | 45.1 | 2.6 | | | 18.4 | 14.5 | | 50.1 | 31.7 | | | |
| Level of Service | D | A | | | B | B | | D | C | | | |
| Approach Delay (s) | | 17.0 | | | 17.9 | | | 43.9 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 26.2 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.54 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 52.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 256 | 512 | 0 | 0 | 923 | 186 | 196 | 2 | 229 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.0 | | | 4.0 | 4.0 | | 4.0 | 4.0 | | | |
| Lane Util. Factor | 1.00 | 0.95 | | | 0.95 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1719 | 3471 | | | 3505 | 1538 | | 1775 | 1568 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1719 | 3471 | | | 3505 | 1538 | | 1775 | 1568 | | | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Adj. Flow (vph) | 278 | 557 | 0 | 0 | 1003 | 202 | 213 | 2 | 249 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 204 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 278 | 557 | 0 | 0 | 1003 | 202 | 0 | 215 | 45 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 5% | 4% | 0% | 0% | 3% | 5% | 2% | 0% | 3% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Free | Split | | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 20.4 | 73.5 | | | 49.6 | 100.0 | | 17.5 | 17.5 | | | |
| Effective Green, g (s) | 19.9 | 74.0 | | | 50.1 | 100.0 | | 18.0 | 18.0 | | | |
| Actuated g/C Ratio | 0.20 | 0.74 | | | 0.50 | 1.00 | | 0.18 | 0.18 | | | |
| Clearance Time (s) | 3.5 | 4.5 | | | 4.5 | | | 4.5 | 4.5 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 342 | 2569 | | | 1756 | 1538 | | 320 | 282 | | | |
| v/s Ratio Prot | c0.16 | 0.16 | | | c0.29 | | | c0.12 | | | | |
| v/s Ratio Perm | | | | | | 0.13 | | | 0.03 | | | |
| v/c Ratio | 0.81 | 0.22 | | | 0.57 | 0.13 | | 0.67 | 0.16 | | | |
| Uniform Delay, d1 | 38.3 | 4.0 | | | 17.4 | 0.0 | | 38.2 | 34.6 | | | |
| Progression Factor | 0.71 | 0.01 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 12.2 | 0.0 | | | 1.4 | 0.2 | | 5.5 | 0.3 | | | |
| Delay (s) | 39.3 | 0.1 | | | 18.8 | 0.2 | | 43.7 | 34.9 | | | |
| Level of Service | D | A | | | B | A | | D | C | | | |
| Approach Delay (s) | | 13.1 | | | 15.7 | | | 39.0 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 19.1 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.65 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 60.7% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 253 | 1084 | 0 | 0 | 1500 | 404 | 242 | 1 | 370 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | 1.00 | 0.95 | | | 0.95 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 0.98 | 1.00 | 0.98 | 0.98 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | 1.00 | 0.87 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (prot) | 1687 | 3505 | | | 3539 | 1524 | 1649 | 1417 | 1447 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (perm) | 1687 | 3505 | | | 3539 | 1524 | 1649 | 1417 | 1447 | | | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Adj. Flow (vph) | 275 | 1178 | 0 | 0 | 1630 | 439 | 263 | 1 | 402 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 170 | 0 | 99 | 99 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 275 | 1178 | 0 | 0 | 1630 | 269 | 231 | 119 | 118 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 7% | 3% | 0% | 0% | 2% | 4% | 4% | 0% | 4% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Perm | Split | | Perm | | | |
| Protected Phases | 7 | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | | | | 8 | | | 2 | | | |
| Actuated Green, G (s) | 21.9 | 84.0 | | | 57.6 | 57.6 | 24.0 | 24.0 | 24.0 | | | |
| Effective Green, g (s) | 21.9 | 84.0 | | | 57.6 | 57.6 | 24.0 | 24.0 | 24.0 | | | |
| Actuated g/C Ratio | 0.18 | 0.70 | | | 0.48 | 0.48 | 0.20 | 0.20 | 0.20 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | 308 | 2454 | | | 1699 | 732 | 330 | 283 | 289 | | | |
| v/s Ratio Prot | c0.16 | 0.34 | | | c0.46 | | c0.14 | 0.08 | | | | |
| v/s Ratio Perm | | | | | | 0.18 | | | 0.08 | | | |
| v/c Ratio | 0.89 | 0.48 | | | 0.96 | 0.37 | 0.70 | 0.42 | 0.41 | | | |
| Uniform Delay, d1 | 47.9 | 8.1 | | | 30.1 | 19.7 | 44.7 | 41.9 | 41.8 | | | |
| Progression Factor | 0.92 | 1.75 | | | 0.18 | 0.05 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 11.5 | 0.0 | | | 7.9 | 0.1 | 11.7 | 4.5 | 4.2 | | | |
| Delay (s) | 55.7 | 14.2 | | | 13.3 | 1.0 | 56.4 | 46.4 | 46.0 | | | |
| Level of Service | E | B | | | B | A | E | D | D | | | |
| Approach Delay (s) | | 22.1 | | | 10.7 | | | 49.7 | | | 0.0 | |
| Approach LOS | | C | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.9 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.89 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 88.5% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 99 | 587 | 0 | 0 | 838 | 354 | 115 | 1 | 286 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | |
| Lane Util. Factor | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 0.97 | | 1.00 | 1.00 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1752 | 1792 | | | 1863 | 1553 | | 1741 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1752 | 1792 | | | 1863 | 1553 | | 1741 | 1583 | | | |
| Peak-hour factor, PHF | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| Adj. Flow (vph) | 102 | 605 | 0 | 0 | 864 | 365 | 119 | 1 | 295 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 245 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 102 | 605 | 0 | 0 | 864 | 211 | 0 | 120 | 50 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | 5 | | | | | | |
| Heavy Vehicles (%) | 3% | 6% | 0% | 0% | 2% | 1% | 4% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Perm | Split | | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | |
| Actuated Green, G (s) | 7.6 | 67.0 | | | 54.9 | 54.9 | | 16.0 | 16.0 | | | |
| Effective Green, g (s) | 7.6 | 67.0 | | | 54.9 | 54.9 | | 16.0 | 16.0 | | | |
| Actuated g/C Ratio | 0.08 | 0.71 | | | 0.58 | 0.58 | | 0.17 | 0.17 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | 140 | 1264 | | | 1077 | 897 | | 293 | 267 | | | |
| v/s Ratio Prot | c0.06 | 0.34 | | | c0.46 | | | c0.07 | | | | |
| v/s Ratio Perm | | | | | | 0.14 | | | 0.03 | | | |
| v/c Ratio | 0.73 | 0.48 | | | 0.80 | 0.24 | | 0.41 | 0.19 | | | |
| Uniform Delay, d1 | 42.7 | 6.2 | | | 15.8 | 9.8 | | 35.3 | 33.9 | | | |
| Progression Factor | 1.19 | 0.87 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 7.8 | 0.6 | | | 6.3 | 0.6 | | 4.2 | 1.5 | | | |
| Delay (s) | 58.7 | 6.1 | | | 22.1 | 10.4 | | 39.5 | 35.4 | | | |
| Level of Service | E | A | | | C | B | | D | D | | | |
| Approach Delay (s) | | 13.7 | | | 18.6 | | | 36.6 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.72 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 76.4% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

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------------------------------------------------------------------------------
                        Menifee General Plan (JN 06944)
                          Existing (2012) Conditions
                                 AM Peak Hour
------------------------------------------------------------------------------
                      Level Of Service Computation Report
            2000 HCM Unsignalized Method (Base Volume Alternative)
******************************************************************************
Intersection #21 Encanto Road / Ethanac Road
******************************************************************************
Average Delay (sec/veh):      2.0       Worst Case Level Of Service: C[ 15.1]
******************************************************************************
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Rights:           Include          Include          Include          Include
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    0  1  0  0  0
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      48    0    53     0    0     0     0  425    33    28  285     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   48    0    53     0    0     0     0  425    33    28  285     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     0.90 0.90  0.90  0.90 0.90  0.90  0.90 0.90  0.90  0.90 0.90  0.90
PHF Volume:    53    0    59     0    0     0     0  472    37    31  316     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0    59     0    0     0     0  472    37    31  316     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  868 xxxx   490  xxxx xxxx xxxxx  xxxx xxxx xxxxx   508 xxxx xxxxx
Potent Cap.:  325 xxxx   582  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1067 xxxx xxxxx
Move Cap.:    318 xxxx   582  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1067 xxxx xxxxx
Volume/Cap:  0.17 xxxx  0.10  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.03 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.6 xxxx   0.3  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.1 xxxx xxxxx
Control Del: 18.6 xxxx  11.9 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.5 xxxx xxxxx
LOS by Move:    C    *     B     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.1 xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.5 xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     A    *     *
ApproachDel:      15.1           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         C                *                *                *
******************************************************************************
Note: Queue reported is the number of cars per lane.
******************************************************************************
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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.532
Loss Time (sec): 12 Average Delay (sec/veh): 20.3
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 25 | 25 | 25 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 | 1 0 | 1 0 | 0 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 197 | 12 | 20 | 46 | 9 | 98 | 83 | 561 | 97 | 15 | 814 | 44 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 197 | 12 | 20 | 46 | 9 | 98 | 83 | 561 | 97 | 15 | 814 | 44 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| PHF Volume: | 210 | 13 | 21 | 49 | 10 | 105 | 89 | 599 | 104 | 16 | 869 | 47 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 210 | 13 | 21 | 49 | 10 | 105 | 89 | 599 | 104 | 16 | 869 | 47 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 210 | 13 | 21 | 49 | 10 | 105 | 89 | 599 | 104 | 16 | 869 | 47 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.68 | 0.91 | 0.91 | 0.74 | 0.86 | 0.86 | 0.95 | 0.93 | 0.93 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 0.37 | 0.63 | 1.00 | 0.08 | 0.92 | 1.00 | 1.71 | 0.29 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1292 | 646 | 1076 | 1406 | 138 | 1502 | 1805 | 3010 | 520 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.16 | 0.02 | 0.02 | 0.03 | 0.07 | 0.07 | 0.05 | 0.20 | 0.20 | 0.01 | 0.24 | 0.03 |
| Crit Moves: | **** | | | | | | **** | | | | **** | |
| Green/Cycle: | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.13 | 0.38 | 0.38 | 0.16 | 0.41 | 0.41 |
| Volume/Cap: | 0.52 | 0.06 | 0.06 | 0.11 | 0.22 | 0.22 | 0.39 | 0.52 | 0.52 | 0.06 | 0.58 | 0.07 |
| Delay/Veh: | 23.8 | 19.3 | 19.3 | 19.7 | 20.5 | 20.5 | 33.3 | 19.6 | 19.6 | 28.7 | 18.8 | 14.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 23.8 | 19.3 | 19.3 | 19.7 | 20.5 | 20.5 | 33.3 | 19.6 | 19.6 | 28.7 | 18.8 | 14.3 |
| LOS by Move: | C | B | B | B | C | C | C | B | B | C | B | B |
| HCM2kAvgQ: | 5 | 1 | 1 | 1 | 2 | 2 | 2 | 7 | 7 | 0 | 9 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.756
Loss Time (sec): 16 Average Delay (sec/veh): 41.3
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 30 | 30 | 10 | 30 | 30 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 2 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 404 | 40 | 118 | 110 | 70 | 160 | 70 | 719 | 665 | 128 | 1340 | 78 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 404 | 40 | 118 | 110 | 70 | 160 | 70 | 719 | 665 | 128 | 1340 | 78 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| PHF Volume: | 455 | 45 | 133 | 124 | 79 | 180 | 79 | 810 | 749 | 144 | 1509 | 88 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 455 | 45 | 133 | 124 | 79 | 180 | 79 | 810 | 749 | 144 | 1509 | 88 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 455 | 45 | 133 | 124 | 79 | 180 | 79 | 810 | 749 | 144 | 1509 | 88 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.90 | 0.90 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.83 | 0.17 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 1805 | 4862 | 283 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.13 | 0.02 | 0.08 | 0.04 | 0.04 | 0.11 | 0.02 | 0.22 | 0.46 | 0.08 | 0.31 | 0.31 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.15 | 0.30 | 0.30 | 0.10 | 0.25 | 0.25 | 0.10 | 0.38 | 0.53 | 0.09 | 0.37 | 0.37 |
| Volume/Cap: | 0.88 | 0.08 | 0.28 | 0.36 | 0.17 | 0.45 | 0.23 | 0.59 | 0.88 | 0.88 | 0.84 | 0.84 |
| Delay/Veh: | 66.3 | 30.3 | 32.5 | 51.1 | 35.4 | 38.8 | 50.1 | 30.6 | 35.8 | 92.4 | 38.0 | 38.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 66.3 | 30.3 | 32.5 | 51.1 | 35.4 | 38.8 | 50.1 | 30.6 | 35.8 | 92.4 | 38.0 | 38.0 |
| LOS by Move: | E | C | C | D | D | D | D | C | D | F | D | D |
| HCM2kAvgQ: | 11 | 1 | 4 | 3 | 2 | 6 | 2 | 13 | 27 | 8 | 22 | 22 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.742
Loss Time (sec): 16 Average Delay (sec/veh): 34.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 356 | 111 | 41 | 69 | 283 | 284 | 132 | 437 | 304 | 83 | 552 | 33 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 356 | 111 | 41 | 69 | 283 | 284 | 132 | 437 | 304 | 83 | 552 | 33 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| PHF Volume: | 401 | 125 | 46 | 78 | 319 | 320 | 149 | 492 | 342 | 93 | 622 | 37 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 401 | 125 | 46 | 78 | 319 | 320 | 149 | 492 | 342 | 93 | 622 | 37 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 401 | 125 | 46 | 78 | 319 | 320 | 149 | 492 | 342 | 93 | 622 | 37 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.95 | 1.00 | 0.85 | 0.95 | 0.89 | 0.89 | 0.95 | 0.94 | 0.94 |
| Lanes: | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.18 | 0.82 | 1.00 | 1.89 | 0.11 |
| Final Sat.: | 3502 | 1900 | 1615 | 1805 | 1900 | 1615 | 1805 | 1999 | 1391 | 1805 | 3379 | 202 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.07 | 0.03 | 0.04 | 0.17 | 0.20 | 0.08 | 0.25 | 0.25 | 0.05 | 0.18 | 0.18 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.15 | 0.27 | 0.27 | 0.12 | 0.25 | 0.25 | 0.11 | 0.31 | 0.31 | 0.11 | 0.31 | 0.31 |
| Volume/Cap: | 0.79 | 0.24 | 0.10 | 0.35 | 0.67 | 0.79 | 0.74 | 0.79 | 0.79 | 0.47 | 0.59 | 0.59 |
| Delay/Veh: | 45.0 | 25.7 | 24.6 | 37.0 | 33.8 | 41.1 | 52.0 | 32.1 | 32.1 | 39.2 | 26.9 | 26.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 45.0 | 25.7 | 24.6 | 37.0 | 33.8 | 41.1 | 52.0 | 32.1 | 32.1 | 39.2 | 26.9 | 26.9 |
| LOS by Move: | D | C | C | D | C | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 8 | 3 | 1 | 2 | 9 | 10 | 6 | 13 | 13 | 3 | 9 | 9 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 100 Critical Vol./Cap.(X): 0.899
Loss Time (sec): 12 Average Delay (sec/veh): 41.4
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 21 | 21 | 21 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 1 | 0 | 0 1 | 0 1 | 0 | 0 1 | 1 0 | 2 | 0 1 | 1 0 | 1 | 1 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 166 | 144 | 459 | 121 | 172 | 31 | 45 | 701 | 138 | 359 | 881 | 82 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 166 | 144 | 459 | 121 | 172 | 31 | 45 | 701 | 138 | 359 | 881 | 82 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| PHF Volume: | 183 | 158 | 505 | 133 | 189 | 34 | 50 | 771 | 152 | 395 | 969 | 90 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 183 | 158 | 505 | 133 | 189 | 34 | 50 | 771 | 152 | 395 | 969 | 90 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 183 | 158 | 505 | 133 | 189 | 34 | 50 | 771 | 152 | 395 | 969 | 90 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.50 | 0.50 | 0.85 | 0.52 | 0.52 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.94 | 0.94 |
| Lanes: | 0.54 | 0.46 | 1.00 | 0.41 | 0.59 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.83 | 0.17 |
| Final Sat.: | 510 | 442 | 1615 | 410 | 582 | 1615 | 1805 | 3610 | 1615 | 1805 | 3260 | 303 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.36 | 0.36 | 0.31 | 0.32 | 0.32 | 0.02 | 0.03 | 0.21 | 0.09 | 0.22 | 0.30 | 0.30 |
| Crit Moves: | | **** | | | | | | **** | | **** | | |
| Green/Cycle: | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.12 | 0.26 | 0.26 | 0.24 | 0.37 | 0.37 |
| Volume/Cap: | 0.93 | 0.93 | 0.81 | 0.84 | 0.84 | 0.05 | 0.22 | 0.82 | 0.36 | 0.93 | 0.80 | 0.80 |
| Delay/Veh: | 59.4 | 59.4 | 35.5 | 43.7 | 43.7 | 19.4 | 39.9 | 40.7 | 30.8 | 64.6 | 31.8 | 31.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 59.4 | 59.4 | 35.5 | 43.7 | 43.7 | 19.4 | 39.9 | 40.7 | 30.8 | 64.6 | 31.8 | 31.8 |
| LOS by Move: | E | E | D | D | D | B | D | D | C | E | C | C |
| HCM2kAvgQ: | 14 | 14 | 16 | 12 | 12 | 1 | 2 | 14 | 4 | 16 | 17 | 17 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 115 Critical Vol./Cap.(X): 0.741
Loss Time (sec): 16 Average Delay (sec/veh): 46.4
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 10 | 10 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 1 1 | 0 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 142 | 96 | 3 | 52 | 120 | 397 | 451 | 257 | 120 | 1 | 242 | 64 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 142 | 96 | 3 | 52 | 120 | 397 | 451 | 257 | 120 | 1 | 242 | 64 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| PHF Volume: | 174 | 118 | 4 | 64 | 147 | 487 | 553 | 315 | 147 | 1 | 297 | 78 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 174 | 118 | 4 | 64 | 147 | 487 | 553 | 315 | 147 | 1 | 297 | 78 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 174 | 118 | 4 | 64 | 147 | 487 | 553 | 315 | 147 | 1 | 297 | 78 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.90 | 0.90 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 1.36 | 0.64 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 2343 | 1094 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.03 | 0.00 | 0.04 | 0.04 | 0.30 | 0.16 | 0.13 | 0.13 | 0.00 | 0.08 | 0.05 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.35 | 0.35 | 0.10 | 0.34 | 0.34 | 0.18 | 0.29 | 0.29 | 0.11 | 0.23 | 0.23 |
| Volume/Cap: | 0.88 | 0.09 | 0.01 | 0.35 | 0.12 | 0.88 | 0.88 | 0.46 | 0.46 | 0.00 | 0.36 | 0.21 |
| Delay/Veh: | 82.6 | 24.9 | 24.1 | 49.3 | 25.8 | 49.8 | 58.8 | 33.5 | 33.5 | 45.3 | 37.8 | 36.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 82.6 | 24.9 | 24.1 | 49.3 | 25.8 | 49.8 | 58.8 | 33.5 | 33.5 | 45.3 | 37.8 | 36.5 |
| LOS by Move: | F | C | C | D | C | D | E | C | C | D | D | D |
| HCM2kAvgQ: | 9 | 1 | 0 | 2 | 2 | 19 | 13 | 7 | 7 | 0 | 5 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 115 Critical Vol./Cap.(X): 0.861
Loss Time (sec): 16 Average Delay (sec/veh): 45.6
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 2 1 | 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 136 | 60 | 122 | 40 | 69 | 308 | 218 | 510 | 99 | 117 | 816 | 40 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 136 | 60 | 122 | 40 | 69 | 308 | 218 | 510 | 99 | 117 | 816 | 40 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| PHF Volume: | 164 | 73 | 148 | 48 | 83 | 372 | 264 | 617 | 120 | 141 | 987 | 48 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 164 | 73 | 148 | 48 | 83 | 372 | 264 | 617 | 120 | 141 | 987 | 48 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 164 | 73 | 148 | 48 | 83 | 372 | 264 | 617 | 120 | 141 | 987 | 48 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.89 | 0.89 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.51 | 0.49 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 4240 | 823 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.02 | 0.09 | 0.03 | 0.02 | 0.23 | 0.15 | 0.15 | 0.15 | 0.08 | 0.27 | 0.03 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.30 | 0.30 | 0.09 | 0.29 | 0.29 | 0.16 | 0.35 | 0.35 | 0.12 | 0.31 | 0.31 |
| Volume/Cap: | 0.89 | 0.07 | 0.31 | 0.30 | 0.08 | 0.80 | 0.89 | 0.42 | 0.42 | 0.63 | 0.89 | 0.10 |
| Delay/Veh: | 88.0 | 28.9 | 31.5 | 49.9 | 30.0 | 47.8 | 73.3 | 28.8 | 28.8 | 53.6 | 47.1 | 28.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 88.0 | 28.9 | 31.5 | 49.9 | 30.0 | 47.8 | 73.3 | 28.8 | 28.8 | 53.6 | 47.1 | 28.5 |
| LOS by Move: | F | C | C | D | C | D | E | C | C | D | D | C |
| HCM2kAvgQ: | 9 | 1 | 4 | 2 | 1 | 14 | 12 | 7 | 7 | 6 | 21 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.389 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 14.0 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 30 | 191 | 108 | 38 | 149 | 88 | 88 | 87 | 14 | 101 | 131 | 70 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 30 | 191 | 108 | 38 | 149 | 88 | 88 | 87 | 14 | 101 | 131 | 70 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| PHF Volume: | 42 | 266 | 150 | 53 | 207 | 122 | 122 | 121 | 19 | 140 | 182 | 97 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 42 | 266 | 150 | 53 | 207 | 122 | 122 | 121 | 19 | 140 | 182 | 97 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 42 | 266 | 150 | 53 | 207 | 122 | 122 | 121 | 19 | 140 | 182 | 97 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 1.26 | 0.74 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 398 | 851 | 464 | 390 | 532 | 330 | 376 | 786 | 423 | 398 | 835 | 454 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.31 | 0.32 | 0.14 | 0.39 | 0.37 | 0.33 | 0.15 | 0.05 | 0.35 | 0.22 | 0.21 |
| Crit Moves: | | | **** | | **** | | **** | | | **** | | |
| Delay/Veh: | 12.2 | 14.1 | 13.3 | 12.7 | 15.5 | 14.5 | 15.6 | 12.6 | 10.8 | 15.7 | 12.9 | 12.0 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 12.2 | 14.1 | 13.3 | 12.7 | 15.5 | 14.5 | 15.6 | 12.6 | 10.8 | 15.7 | 12.9 | 12.0 |
| LOS by Move: | B | B | B | B | C | B | C | B | B | C | B | B |
| ApproachDel: | 13.6 | | | 14.8 | | | 13.9 | | | 13.6 | | |
| Delay Adj: | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | | |
| ApprAdjDel: | 13.6 | | | 14.8 | | | 13.9 | | | 13.6 | | |
| LOS by Appr: | B | | | B | | | B | | | B | | |
| AllWayAvgQ: | 0.1 | 0.4 | 0.4 | 0.1 | 0.6 | 0.5 | 0.4 | 0.2 | 0.0 | 0.5 | 0.2 | 0.2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.343 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 9.9 |
| Optimal Cycle: | 0 | Level Of Service: | A |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 1 0 1 | 0 1 | | 1 0 1 | 0 1 | | 1 0 0 | 1 0 | | 0 0 1! | 0 0 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 10 | 169 | 19 | 8 | 206 | 23 | 9 | 10 | 22 | 32 | 21 | 8 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 10 | 169 | 19 | 8 | 206 | 23 | 9 | 10 | 22 | 32 | 21 | 8 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| PHF Volume: | 11 | 185 | 21 | 9 | 226 | 25 | 10 | 11 | 24 | 35 | 23 | 9 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 11 | 185 | 21 | 9 | 226 | 25 | 10 | 11 | 24 | 35 | 23 | 9 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 11 | 185 | 21 | 9 | 226 | 25 | 10 | 11 | 24 | 35 | 23 | 9 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.31 | 0.69 | 0.53 | 0.34 | 0.13 |
| Final Sat.: | 589 | 644 | 734 | 600 | 658 | 750 | 537 | 197 | 433 | 307 | 202 | 77 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.29 | 0.03 | 0.01 | 0.34 | 0.03 | 0.02 | 0.06 | 0.06 | 0.11 | 0.11 | 0.11 |
| Crit Moves: | | **** | | | **** | | | **** | | | **** | |
| Delay/Veh: | 8.7 | 10.2 | 7.5 | 8.6 | 10.6 | 7.5 | 9.1 | 8.3 | 8.3 | 9.5 | 9.5 | 9.5 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 8.7 | 10.2 | 7.5 | 8.6 | 10.6 | 7.5 | 9.1 | 8.3 | 8.3 | 9.5 | 9.5 | 9.5 |
| LOS by Move: | A | B | A | A | B | A | A | A | A | A | A | A |
| ApproachDel: | | 9.8 | | | 10.3 | | | 8.4 | | | 9.5 | |
| Delay Adj: | | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | |
| ApprAdjDel: | | 9.8 | | | 10.3 | | | 8.4 | | | 9.5 | |
| LOS by Appr: | | A | | | B | | | A | | | A | |
| AllWayAvgQ: | 0.0 | 0.4 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.468
Loss Time (sec): 16 Average Delay (sec/veh): 27.3
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 23 | 23 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 125 | 60 | 81 | 77 | 102 | 98 | 42 | 353 | 41 | 73 | 476 | 75 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 125 | 60 | 81 | 77 | 102 | 98 | 42 | 353 | 41 | 73 | 476 | 75 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 131 | 63 | 85 | 81 | 107 | 103 | 44 | 371 | 43 | 77 | 500 | 79 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 131 | 63 | 85 | 81 | 107 | 103 | 44 | 371 | 43 | 77 | 500 | 79 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 131 | 63 | 85 | 81 | 107 | 103 | 44 | 371 | 43 | 77 | 500 | 79 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.93 | 0.93 | 0.95 | 0.93 | 0.93 | 0.95 | 0.93 | 0.93 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 0.51 | 0.49 | 1.00 | 1.79 | 0.21 | 1.00 | 1.73 | 0.27 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 898 | 863 | 1805 | 3183 | 370 | 1805 | 3056 | 482 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.03 | 0.05 | 0.04 | 0.12 | 0.12 | 0.02 | 0.12 | 0.12 | 0.04 | 0.16 | 0.16 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.12 | 0.19 | 0.19 | 0.19 | 0.27 | 0.27 | 0.12 | 0.31 | 0.31 | 0.12 | 0.31 | 0.31 |
| Volume/Cap: | 0.62 | 0.17 | 0.27 | 0.23 | 0.44 | 0.44 | 0.21 | 0.38 | 0.38 | 0.36 | 0.53 | 0.53 |
| Delay/Veh: | 41.1 | 28.8 | 29.6 | 29.2 | 26.3 | 26.3 | 34.4 | 23.4 | 23.4 | 35.6 | 25.0 | 25.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 41.1 | 28.8 | 29.6 | 29.2 | 26.3 | 26.3 | 34.4 | 23.4 | 23.4 | 35.6 | 25.0 | 25.0 |
| LOS by Move: | D | C | C | C | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 4 | 1 | 2 | 2 | 5 | 5 | 1 | 5 | 5 | 2 | 7 | 7 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.246
Loss Time (sec): 12 Average Delay (sec/veh): 19.8
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 33 | 0 | 214 | 147 | 578 | 0 | 0 | 721 | 12 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 33 | 0 | 214 | 147 | 578 | 0 | 0 | 721 | 12 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 0 | 0 | 0 | 35 | 0 | 229 | 158 | 620 | 0 | 0 | 773 | 13 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 35 | 0 | 229 | 158 | 620 | 0 | 0 | 773 | 13 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 35 | 0 | 229 | 158 | 620 | 0 | 0 | 773 | 13 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 0.86 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 1.87 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1861 | 0 | 3064 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.04 | 0.12 | 0.00 | 0.00 | 0.15 | 0.01 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.39 | 0.11 | 0.48 | 0.00 | 0.00 | 0.37 | 0.37 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.19 | 0.40 | 0.25 | 0.00 | 0.00 | 0.41 | 0.02 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.1 | 0.0 | 18.2 | 37.9 | 14.0 | 0.0 | 0.0 | 21.4 | 18.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.1 | 0.0 | 18.2 | 37.9 | 14.0 | 0.0 | 0.0 | 21.4 | 18.2 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | B |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 4 | 0 | 0 | 6 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.889 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 56.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | E |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 26 | 26 | 26 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 1 0 | 0 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 351 | 130 | 101 | 161 | 128 | 80 | 126 | 557 | 494 | 152 | 837 | 97 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 351 | 130 | 101 | 161 | 128 | 80 | 126 | 557 | 494 | 152 | 837 | 97 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| PHF Volume: | 386 | 143 | 111 | 177 | 141 | 88 | 138 | 612 | 543 | 167 | 920 | 107 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 386 | 143 | 111 | 177 | 141 | 88 | 138 | 612 | 543 | 167 | 920 | 107 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 386 | 143 | 111 | 177 | 141 | 88 | 138 | 612 | 543 | 167 | 920 | 107 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.93 | 0.93 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.85 | 0.95 | 0.93 | 0.93 |
| Lanes: | 1.00 | 0.56 | 0.44 | 1.00 | 0.62 | 0.38 | 1.00 | 2.00 | 1.00 | 1.00 | 1.79 | 0.21 |
| Final Sat.: | 1805 | 999 | 776 | 1805 | 1101 | 688 | 1805 | 3610 | 1615 | 1805 | 3183 | 369 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.21 | 0.14 | 0.14 | 0.10 | 0.13 | 0.13 | 0.08 | 0.17 | 0.34 | 0.09 | 0.29 | 0.29 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.10 | 0.34 | 0.34 | 0.09 | 0.34 | 0.34 |
| Volume/Cap: | 0.99 | 0.66 | 0.66 | 0.45 | 0.59 | 0.59 | 0.79 | 0.50 | 0.99 | 0.99 | 0.86 | 0.86 |
| Delay/Veh: | 89.2 | 47.3 | 47.3 | 41.7 | 44.6 | 44.6 | 74.0 | 31.8 | 74.6 | 119.9 | 43.5 | 43.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 89.2 | 47.3 | 47.3 | 41.7 | 44.6 | 44.6 | 74.0 | 31.8 | 74.6 | 119.9 | 43.5 | 43.5 |
| LOS by Move: | F | D | D | D | D | D | E | C | E | F | D | D |
| HCM2kAvgQ: | 19 | 10 | 10 | 6 | 8 | 8 | 7 | 10 | 26 | 10 | 21 | 21 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.176 |
| Loss Time (sec): | 12 | Average Delay (sec/veh): | 18.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 30 | 30 | 30 | 30 | 30 | 30 | 10 | 23 | 23 | 10 | 23 | 23 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 1! 0 | 0 | 0 1 | 0 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 29 | 1 | 2 | 4 | 5 | 27 | 12 | 440 | 40 | 2 | 440 | 1 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 29 | 1 | 2 | 4 | 5 | 27 | 12 | 440 | 40 | 2 | 440 | 1 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 31 | 1 | 2 | 4 | 5 | 29 | 13 | 465 | 42 | 2 | 465 | 1 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 31 | 1 | 2 | 4 | 5 | 29 | 13 | 465 | 42 | 2 | 465 | 1 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 31 | 1 | 2 | 4 | 5 | 29 | 13 | 465 | 42 | 2 | 465 | 1 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.80 | 0.80 | 0.80 | 0.95 | 0.95 | 0.85 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.85 |
| Lanes: | 0.91 | 0.03 | 0.06 | 0.44 | 0.56 | 1.00 | 1.00 | 1.83 | 0.17 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1373 | 47 | 95 | 799 | 999 | 1615 | 1805 | 3269 | 297 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.14 | 0.14 | 0.00 | 0.13 | 0.00 |
| Crit Moves: | | **** | | | | | **** | | | | **** | |
| Green/Cycle: | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.08 | 0.45 | 0.45 | 0.20 | 0.57 | 0.57 |
| Volume/Cap: | 0.09 | 0.09 | 0.09 | 0.02 | 0.02 | 0.07 | 0.08 | 0.31 | 0.31 | 0.01 | 0.23 | 0.00 |
| Delay/Veh: | 34.6 | 34.6 | 34.6 | 33.9 | 33.9 | 34.4 | 51.0 | 21.0 | 21.0 | 38.7 | 13.0 | 11.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.6 | 34.6 | 34.6 | 33.9 | 33.9 | 34.4 | 51.0 | 21.0 | 21.0 | 38.7 | 13.0 | 11.3 |
| LOS by Move: | C | C | C | C | C | C | D | C | C | D | B | B |
| HCM2kAvgQ: | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 6 | 6 | 0 | 4 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

Cycle (sec): 95 Critical Vol./Cap.(X): 0.274
Loss Time (sec): 12 Average Delay (sec/veh): 23.9
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 39 | 0 | 39 | 10 | 10 | 0 | 0 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 2 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 122 | 0 | 146 | 329 | 546 | 0 | 0 | 505 | 161 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 122 | 0 | 146 | 329 | 546 | 0 | 0 | 505 | 161 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| PHF Volume: | 0 | 0 | 0 | 129 | 0 | 155 | 349 | 578 | 0 | 0 | 535 | 171 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 129 | 0 | 155 | 349 | 578 | 0 | 0 | 535 | 171 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 129 | 0 | 155 | 349 | 578 | 0 | 0 | 535 | 171 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.75 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 2.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 2842 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.05 | 0.10 | 0.11 | 0.00 | 0.00 | 0.10 | 0.11 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.41 | 0.17 | 0.46 | 0.00 | 0.00 | 0.29 | 0.29 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.13 | 0.59 | 0.24 | 0.00 | 0.00 | 0.35 | 0.36 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.2 | 0.0 | 17.5 | 38.1 | 15.5 | 0.0 | 0.0 | 26.5 | 26.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.2 | 0.0 | 17.5 | 38.1 | 15.5 | 0.0 | 0.0 | 26.5 | 26.9 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 4 | 0 | 0 | 5 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

**********

Intersection #2 Goetz Road / Ethanac Road

**********

Cycle (sec): 100 Critical Vol./Cap.(X): 0.310
Loss Time (sec): 16 Average Delay (sec/veh): 32.3
Optimal Cycle: OPTIMIZED Level Of Service: C

**********

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 0 | 1 | 2 0 | 1 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 1 | 90 | 133 | 159 | 208 | 13 | 4 | 8 | 2 | 178 | 20 | 109 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 1 | 90 | 133 | 159 | 208 | 13 | 4 | 8 | 2 | 178 | 20 | 109 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| PHF Volume: | 1 | 98 | 144 | 173 | 226 | 14 | 4 | 9 | 2 | 193 | 22 | 118 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 1 | 98 | 144 | 173 | 226 | 14 | 4 | 9 | 2 | 193 | 22 | 118 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 1 | 98 | 144 | 173 | 226 | 14 | 4 | 9 | 2 | 193 | 22 | 118 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 0.92 | 1.00 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 3610 | 1615 | 1805 | 1900 | 1615 | 3502 | 1900 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.05 | 0.09 | 0.10 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.06 | 0.01 | 0.07 |
| Crit Moves: | | | **** | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.11 | 0.34 | 0.34 | 0.14 | 0.37 | 0.37 | 0.10 | 0.26 | 0.26 | 0.10 | 0.26 | 0.26 |
| Volume/Cap: | 0.01 | 0.15 | 0.26 | 0.68 | 0.17 | 0.02 | 0.02 | 0.02 | 0.01 | 0.55 | 0.04 | 0.28 |
| Delay/Veh: | 39.7 | 23.1 | 24.2 | 48.4 | 21.2 | 20.0 | 40.7 | 27.5 | 27.4 | 44.8 | 27.7 | 29.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 39.7 | 23.1 | 24.2 | 48.4 | 21.2 | 20.0 | 40.7 | 27.5 | 27.4 | 44.8 | 27.7 | 29.9 |
| LOS by Move: | D | C | C | D | C | B | D | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 3 |

**********

Note: Queue reported is the number of cars per lane.

**********

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.593 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 14.3 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 0 0 | 1! 0 | 0 | 0 1 | 0 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 0 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 56 | 73 | 109 | 14 | 78 | 1 | 2 | 258 | 75 | 152 | 254 | 7 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 56 | 73 | 109 | 14 | 78 | 1 | 2 | 258 | 75 | 152 | 254 | 7 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 57 | 75 | 112 | 14 | 80 | 1 | 2 | 265 | 77 | 156 | 261 | 7 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 57 | 75 | 112 | 14 | 80 | 1 | 2 | 265 | 77 | 156 | 261 | 7 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 57 | 75 | 112 | 14 | 80 | 1 | 2 | 265 | 77 | 156 | 261 | 7 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 0.23 | 0.31 | 0.46 | 0.15 | 0.85 | 1.00 | 1.00 | 0.77 | 0.23 | 1.00 | 0.97 | 0.03 |
| Final Sat.: | 123 | 161 | 240 | 70 | 391 | 510 | 517 | 447 | 130 | 528 | 557 | 15 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.47 | 0.47 | 0.47 | 0.20 | 0.20 | 0.00 | 0.00 | 0.59 | 0.59 | 0.30 | 0.47 | 0.47 |
| Crit Moves: | | **** | | | **** | | | **** | | | | **** |
| Delay/Veh: | 14.5 | 14.5 | 14.5 | 11.4 | 11.4 | 9.0 | 9.4 | 16.6 | 16.6 | 11.9 | 13.7 | 13.7 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 14.5 | 14.5 | 14.5 | 11.4 | 11.4 | 9.0 | 9.4 | 16.6 | 16.6 | 11.9 | 13.7 | 13.7 |
| LOS by Move: | B | B | B | B | B | A | A | C | C | B | B | B |
| ApproachDel: | | 14.5 | | | 11.4 | | | 16.6 | | | 13.1 | |
| Delay Adj: | | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | |
| ApprAdjDel: | | 14.5 | | | 11.4 | | | 16.6 | | | 13.1 | |
| LOS by Appr: | | B | | | B | | | C | | | B | |
| AllWayAvgQ: | 0.7 | 0.7 | 0.7 | 0.2 | 0.2 | 0.0 | 0.0 | 1.3 | 1.3 | 0.4 | 0.8 | 0.8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 85 Critical Vol./Cap.(X): 0.275
Loss Time (sec): 16 Average Delay (sec/veh): 29.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Split Phase | | | Split Phase | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 21 | 21 | 21 | 21 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 2 | 0 1 | 1 0 | 2 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 1 | 181 | 98 | 103 | 182 | 44 | 23 | 63 | 5 | 115 | 97 | 106 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 1 | 181 | 98 | 103 | 182 | 44 | 23 | 63 | 5 | 115 | 97 | 106 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 1 | 188 | 102 | 107 | 189 | 46 | 24 | 65 | 5 | 119 | 101 | 110 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 1 | 188 | 102 | 107 | 189 | 46 | 24 | 65 | 5 | 119 | 101 | 110 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 1 | 188 | 102 | 107 | 189 | 46 | 24 | 65 | 5 | 119 | 101 | 110 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.90 | 0.90 | 0.95 | 0.92 | 0.92 | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 1.30 | 0.70 | 1.00 | 1.61 | 0.39 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 2218 | 1201 | 1805 | 2823 | 682 | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.08 | 0.08 | 0.06 | 0.07 | 0.07 | 0.01 | 0.02 | 0.00 | 0.07 | 0.03 | 0.07 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.27 | 0.27 | 0.11 | 0.27 | 0.27 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| Volume/Cap: | 0.01 | 0.31 | 0.31 | 0.55 | 0.25 | 0.25 | 0.06 | 0.08 | 0.01 | 0.29 | 0.12 | 0.30 |
| Delay/Veh: | 37.1 | 27.4 | 27.4 | 42.7 | 26.8 | 26.8 | 28.3 | 28.4 | 28.0 | 30.2 | 28.7 | 30.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 37.1 | 27.4 | 27.4 | 42.7 | 26.8 | 26.8 | 28.3 | 28.4 | 28.0 | 30.2 | 28.7 | 30.4 |
| LOS by Move: | D | C | C | D | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 4 | 4 | 4 | 3 | 3 | 1 | 1 | 0 | 3 | 1 | 3 |

Note: Queue reported is the number of cars per lane.

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to URBAN CROSSROADS, IRVINE

Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 85 | Critical Vol./Cap.(X): | 0.184 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 24.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 8 | 258 | 49 | 19 | 268 | 7 | 9 | 33 | 4 | 56 | 40 | 13 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 8 | 258 | 49 | 19 | 268 | 7 | 9 | 33 | 4 | 56 | 40 | 13 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 9 | 277 | 53 | 20 | 288 | 8 | 10 | 35 | 4 | 60 | 43 | 14 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 9 | 277 | 53 | 20 | 288 | 8 | 10 | 35 | 4 | 60 | 43 | 14 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 9 | 277 | 53 | 20 | 288 | 8 | 10 | 35 | 4 | 60 | 43 | 14 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.93 | 0.93 | 0.95 | 0.95 | 0.95 | 0.95 | 0.93 | 0.93 | 0.95 | 0.91 | 0.91 |
| Lanes: | 1.00 | 1.68 | 0.32 | 1.00 | 1.95 | 0.05 | 1.00 | 1.78 | 0.22 | 1.00 | 1.51 | 0.49 |
| Final Sat.: | 1805 | 2961 | 562 | 1805 | 3504 | 92 | 1805 | 3168 | 384 | 1805 | 2624 | 853 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.09 | 0.09 | 0.01 | 0.08 | 0.08 | 0.01 | 0.01 | 0.01 | 0.03 | 0.02 | 0.02 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.14 | 0.32 | 0.32 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.03 | 0.29 | 0.29 | 0.10 | 0.27 | 0.27 | 0.05 | 0.04 | 0.04 | 0.28 | 0.06 | 0.06 |
| Delay/Veh: | 31.9 | 22.0 | 22.0 | 33.7 | 22.9 | 22.9 | 33.4 | 23.6 | 23.6 | 35.0 | 23.8 | 23.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.9 | 22.0 | 22.0 | 33.7 | 22.9 | 22.9 | 33.4 | 23.6 | 23.6 | 35.0 | 23.8 | 23.8 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 3 | 3 | 1 | 3 | 3 | 0 | 0 | 0 | 2 | 1 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

Cycle (sec): 115 Critical Vol./Cap.(X): 0.588
Loss Time (sec): 16 Average Delay (sec/veh): 44.1
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 54 | 56 | 52 | 330 | 58 | 134 | 162 | 643 | 20 | 49 | 759 | 318 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 54 | 56 | 52 | 330 | 58 | 134 | 162 | 643 | 20 | 49 | 759 | 318 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 54 | 57 | 52 | 333 | 59 | 135 | 163 | 649 | 20 | 49 | 766 | 321 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 54 | 57 | 52 | 333 | 59 | 135 | 163 | 649 | 20 | 49 | 766 | 321 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 54 | 57 | 52 | 333 | 59 | 135 | 163 | 649 | 20 | 49 | 766 | 321 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.02 | 0.03 | 0.18 | 0.02 | 0.08 | 0.09 | 0.13 | 0.01 | 0.03 | 0.15 | 0.20 |
| Crit Moves: | | | **** | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.11 | 0.30 | 0.30 | 0.21 | 0.39 | 0.39 | 0.10 | 0.26 | 0.26 | 0.09 | 0.25 | 0.25 |
| Volume/Cap: | 0.26 | 0.05 | 0.11 | 0.88 | 0.04 | 0.21 | 0.88 | 0.47 | 0.05 | 0.30 | 0.59 | 0.79 |
| Delay/Veh: | 47.1 | 29.0 | 29.6 | 64.2 | 21.7 | 23.5 | 85.4 | 35.8 | 31.6 | 49.9 | 38.4 | 50.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 47.1 | 29.0 | 29.6 | 64.2 | 21.7 | 23.5 | 85.4 | 35.8 | 31.6 | 49.9 | 38.4 | 50.0 |
| LOS by Move: | D | C | C | E | C | C | F | D | C | D | D | D |
| HCM2kAvgQ: | 2 | 1 | 1 | 14 | 1 | 3 | 8 | 7 | 1 | 2 | 9 | 12 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.957 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 30.9 |
| Optimal Cycle: | 0 | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 0 0 0 0 0 | | | 0 0 1! 0 0 | | | 0 1 0 0 0 | | | 0 0 0 1 0 | | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 75 | 0 | 94 | 218 | 417 | 0 | 0 | 304 | 65 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 75 | 0 | 94 | 218 | 417 | 0 | 0 | 304 | 65 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 0 | 0 | 0 | 81 | 0 | 101 | 234 | 448 | 0 | 0 | 327 | 70 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 81 | 0 | 101 | 234 | 448 | 0 | 0 | 327 | 70 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 81 | 0 | 101 | 234 | 448 | 0 | 0 | 327 | 70 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.56 | 0.34 | 0.66 | 0.00 | 0.00 | 0.82 | 0.18 |
| Final Sat.: | 0 | 0 | 0 | 256 | 0 | 321 | 245 | 468 | 0 | 0 | 560 | 120 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | xxxx | xxxx | xxxx | 0.31 | xxxx | 0.31 | 0.96 | 0.96 | xxxx | xxxx | 0.58 | 0.58 |
| Crit Moves: | | | | **** | | | | **** | | | **** | |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | 11.6 | 45.3 | 45.3 | 0.0 | 0.0 | 14.9 | 14.9 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | 11.6 | 45.3 | 45.3 | 0.0 | 0.0 | 14.9 | 14.9 |
| LOS by Move: | * | * | * | B | * | B | E | E | * | * | B | B |
| ApproachDel: | xxxxxx | | | 11.6 | | | 45.3 | | | 14.9 | | |
| Delay Adj: | xxxxx | | | 1.00 | | | 1.00 | | | 1.00 | | |
| ApprAdjDel: | xxxxxx | | | 11.6 | | | 45.3 | | | 14.9 | | |
| LOS by Appr: | * | | | B | | | E | | | B | | |
| AllWayAvgQ: | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 7.4 | 7.4 | 7.4 | 1.3 | 1.3 | 1.3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.936 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 99.4 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | F |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 26 | 26 | 26 | 10 | 18 | 18 | 10 | 18 | 18 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 72 | 63 | 517 | 104 | 41 | 19 | 43 | 622 | 58 | 401 | 630 | 54 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 72 | 63 | 517 | 104 | 41 | 19 | 43 | 622 | 58 | 401 | 630 | 54 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 76 | 66 | 543 | 109 | 43 | 20 | 45 | 653 | 61 | 421 | 662 | 57 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 76 | 66 | 543 | 109 | 43 | 20 | 45 | 653 | 61 | 421 | 662 | 57 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 76 | 66 | 543 | 109 | 43 | 20 | 45 | 653 | 61 | 421 | 662 | 57 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.85 | 0.95 | 0.94 | 0.94 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 0.68 | 0.32 | 1.00 | 2.00 | 1.00 | 1.00 | 1.84 | 0.16 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 1236 | 573 | 1805 | 3610 | 1615 | 1805 | 3285 | 282 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.03 | 0.34 | 0.06 | 0.03 | 0.03 | 0.03 | 0.18 | 0.04 | 0.23 | 0.20 | 0.20 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.29 | 0.29 | 0.29 | 0.22 | 0.22 | 0.22 | 0.10 | 0.16 | 0.16 | 0.20 | 0.25 | 0.25 |
| Volume/Cap: | 0.14 | 0.12 | 1.15 | 0.28 | 0.16 | 0.16 | 0.24 | 1.15 | 0.24 | 1.15 | 0.79 | 0.79 |
| Delay/Veh: | 31.6 | 31.3 | 133.9 | 39.6 | 38.3 | 38.3 | 49.9 | 139 | 44.8 | 144.2 | 46.7 | 46.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.6 | 31.3 | 133.9 | 39.6 | 38.3 | 38.3 | 49.9 | 139 | 44.8 | 144.2 | 46.7 | 46.7 |
| LOS by Move: | C | C | F | D | D | D | D | F | D | F | D | D |
| HCM2kAvgQ: | 2 | 2 | 32 | 3 | 2 | 2 | 2 | 22 | 2 | 26 | 15 | 15 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.555 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 12.1 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Stop Sign | | | | Stop Sign | | | | Stop Sign | | | | Stop Sign | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Lanes: | 1 | 0 1 | 0 | 0 | 0 | 0 1 | 0 | 1 | 1 | 0 0 | 0 | 1 | 0 | 0 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 122 | 354 | 0 | | 0 | 272 | 69 | | 77 | 0 | 72 | | 0 | 0 | 0 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 122 | 354 | 0 | | 0 | 272 | 69 | | 77 | 0 | 72 | | 0 | 0 | 0 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.96 | 0.96 | 0.96 | | 0.96 | 0.96 | 0.96 | | 0.96 | 0.96 | 0.96 | | 0.96 | 0.96 | 0.96 | |
| PHF Volume: | 127 | 370 | 0 | | 0 | 284 | 72 | | 80 | 0 | 75 | | 0 | 0 | 0 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 127 | 370 | 0 | | 0 | 284 | 72 | | 80 | 0 | 75 | | 0 | 0 | 0 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 127 | 370 | 0 | | 0 | 284 | 72 | | 80 | 0 | 75 | | 0 | 0 | 0 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Lanes: | 1.00 | 1.00 | 0.00 | | 0.00 | 1.00 | 1.00 | | 1.00 | 0.00 | 1.00 | | 0.00 | 0.00 | 0.00 | |
| Final Sat.: | 606 | 666 | 0 | | 0 | 643 | 727 | | 493 | 0 | 588 | | 0 | 0 | 0 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.21 | 0.55 | xxxx | | xxxx | 0.44 | 0.10 | | 0.16 | xxxx | 0.13 | | xxxx | xxxx | xxxx | |
| Crit Moves: | | **** | | | | **** | | | **** | | | | | | | |
| Delay/Veh: | 10.0 | 14.3 | 0.0 | | 0.0 | 12.3 | 8.0 | | 10.8 | 0.0 | 9.1 | | 0.0 | 0.0 | 0.0 | |
| Delay Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 10.0 | 14.3 | 0.0 | | 0.0 | 12.3 | 8.0 | | 10.8 | 0.0 | 9.1 | | 0.0 | 0.0 | 0.0 | |
| LOS by Move: | B | B | * | | * | B | A | | B | * | A | | * | * | * | |
| ApproachDel: | | 13.2 | | | | 11.5 | | | | 10.0 | | | | xxxxxx | | |
| Delay Adj: | | 1.00 | | | | 1.00 | | | | 1.00 | | | | xxxxx | | |
| ApprAdjDel: | | 13.2 | | | | 11.5 | | | | 10.0 | | | | xxxxxx | | |
| LOS by Appr: | | B | | | | B | | | | A | | | | * | | |
| AllWayAvgQ: | 0.3 | 1.2 | 0.0 | | 0.0 | 0.7 | 0.1 | | 0.2 | 0.0 | 0.1 | | 0.0 | 0.0 | 0.0 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 105 Critical Vol./Cap.(X): 0.527
Loss Time (sec): 16 Average Delay (sec/veh): 38.2
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 10 | 10 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 110 | 151 | 129 | 219 | 152 | 74 | 108 | 671 | 78 | 172 | 872 | 276 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 110 | 151 | 129 | 219 | 152 | 74 | 108 | 671 | 78 | 172 | 872 | 276 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 115 | 157 | 134 | 228 | 158 | 77 | 113 | 699 | 81 | 179 | 908 | 288 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 115 | 157 | 134 | 228 | 158 | 77 | 113 | 699 | 81 | 179 | 908 | 288 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 115 | 157 | 134 | 228 | 158 | 77 | 113 | 699 | 81 | 179 | 908 | 288 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.90 | 0.90 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 1.35 | 0.65 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 2309 | 1124 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.08 | 0.08 | 0.13 | 0.07 | 0.07 | 0.06 | 0.19 | 0.05 | 0.05 | 0.18 | 0.18 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.25 | 0.33 | 0.43 | 0.16 | 0.25 | 0.25 | 0.10 | 0.26 | 0.26 | 0.10 | 0.26 | 0.26 |
| Volume/Cap: | 0.26 | 0.25 | 0.19 | 0.78 | 0.28 | 0.28 | 0.65 | 0.75 | 0.20 | 0.54 | 0.68 | 0.69 |
| Delay/Veh: | 32.0 | 25.6 | 18.8 | 54.9 | 32.1 | 32.1 | 54.6 | 39.4 | 30.7 | 47.0 | 36.6 | 40.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 32.0 | 25.6 | 18.8 | 54.9 | 32.1 | 32.1 | 54.6 | 39.4 | 30.7 | 47.0 | 36.6 | 40.2 |
| LOS by Move: | C | C | B | D | C | C | D | D | C | D | D | D |
| HCM2kAvgQ: | 3 | 4 | 3 | 9 | 3 | 3 | 5 | 12 | 2 | 4 | 11 | 10 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 395 | 330 | 82 | 411 | 0 | 0 | 0 | 0 | 86 | 3 | 265 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 5.0 | 6.0 | | | | | | 5.0 | 5.0 |
| Lane Util. Factor | | 1.00 | 1.00 | 1.00 | 0.95 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 1863 | 1615 | 1736 | 3539 | | | | | | 1682 | 1587 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 1863 | 1615 | 1736 | 3539 | | | | | | 1682 | 1587 |
| Peak-hour factor, PHF | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Adj. Flow (vph) | 0 | 411 | 344 | 85 | 428 | 0 | 0 | 0 | 0 | 90 | 3 | 276 |
| RTOR Reduction (vph) | 0 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 240 |
| Lane Group Flow (vph) | 0 | 411 | 213 | 85 | 428 | 0 | 0 | 0 | 0 | 0 | 93 | 36 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 0% | 4% | 2% | 0% | 0% | 0% | 0% | 8% | 0% | 0% |
| Turn Type | | | Perm | Prot | | | | | | Split | | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 7 | 7 | |
| Permitted Phases | | | 2 | | | | | | | | | 7 |
| Actuated Green, G (s) | | 61.8 | 61.8 | 9.0 | 75.8 | | | | | | 13.2 | 13.2 |
| Effective Green, g (s) | | 61.8 | 61.8 | 9.0 | 75.8 | | | | | | 13.2 | 13.2 |
| Actuated g/C Ratio | | 0.62 | 0.62 | 0.09 | 0.76 | | | | | | 0.13 | 0.13 |
| Clearance Time (s) | | 6.0 | 6.0 | 5.0 | 6.0 | | | | | | 5.0 | 5.0 |
| Vehicle Extension (s) | | 3.0 | 3.0 | 3.0 | 3.0 | | | | | | 3.0 | 3.0 |
| Lane Grp Cap (vph) | | 1151 | 998 | 156 | 2683 | | | | | | 222 | 209 |
| v/s Ratio Prot | | c0.22 | | c0.05 | 0.12 | | | | | | c0.06 | |
| v/s Ratio Perm | | | 0.13 | | | | | | | | | 0.02 |
| v/c Ratio | | 0.36 | 0.21 | 0.54 | 0.16 | | | | | | 0.42 | 0.17 |
| Uniform Delay, d1 | | 9.4 | 8.4 | 43.5 | 3.3 | | | | | | 39.9 | 38.6 |
| Progression Factor | | 1.00 | 1.00 | 1.03 | 1.22 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.9 | 0.5 | 3.5 | 0.1 | | | | | | 1.3 | 0.4 |
| Delay (s) | | 10.2 | 8.9 | 48.4 | 4.2 | | | | | | 41.2 | 39.0 |
| Level of Service | | B | A | D | A | | | | | | D | D |
| Approach Delay (s) | | 9.6 | | | 11.5 | | | 0.0 | | | 39.5 | |
| Approach LOS | | A | | | B | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 16.9 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.39 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 49.5% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | SBL2 | SBL | SBR | NWL | NWR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | |
| Volume (vph) | 0 | 909 | 334 | 285 | 712 | 0 | 295 | 2 | 373 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 4.5 | 4.0 | 3.5 | 5.0 | | | 4.5 | 4.5 | | |
| Lane Util. Factor | | 0.95 | 1.00 | 1.00 | 0.95 | | | 1.00 | 1.00 | | |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | 1.00 | 0.85 | | |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | 0.95 | 1.00 | | |
| Satd. Flow (prot) | | 3539 | 1615 | 1787 | 3574 | | | 1753 | 1583 | | |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | 0.95 | 1.00 | | |
| Satd. Flow (perm) | | 3539 | 1615 | 1787 | 3574 | | | 1753 | 1583 | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 928 | 341 | 291 | 727 | 0 | 301 | 2 | 381 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 928 | 341 | 291 | 727 | 0 | 0 | 303 | 180 | 0 | 0 |
| Heavy Vehicles (%) | 0% | 2% | 0% | 1% | 1% | 0% | 3% | 0% | 2% | 0% | 0% |
| Turn Type | | | Free | Prot | | | Split | | Perm | | |
| Protected Phases | | 2 | | 1 | 6 | | 4 | 4 | | | |
| Permitted Phases | | | Free | | | | | | 4 | | |
| Actuated Green, G (s) | | 46.3 | 100.0 | 20.4 | 69.7 | | | 20.8 | 20.8 | | |
| Effective Green, g (s) | | 46.3 | 100.0 | 20.4 | 69.7 | | | 20.8 | 20.8 | | |
| Actuated g/C Ratio | | 0.46 | 1.00 | 0.20 | 0.70 | | | 0.21 | 0.21 | | |
| Clearance Time (s) | | 4.5 | | 3.5 | 5.0 | | | 4.5 | 4.5 | | |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | 2.0 | 2.0 | | |
| Lane Grp Cap (vph) | | 1639 | 1615 | 365 | 2491 | | | 365 | 329 | | |
| v/s Ratio Prot | | c0.26 | | c0.16 | 0.20 | | | c0.17 | | | |
| v/s Ratio Perm | | | 0.21 | | | | | | 0.11 | | |
| v/c Ratio | | 0.57 | 0.21 | 0.80 | 0.29 | | | 0.83 | 0.55 | | |
| Uniform Delay, d1 | | 19.5 | 0.0 | 37.8 | 5.8 | | | 37.9 | 35.4 | | |
| Progression Factor | | 1.00 | 1.00 | 0.79 | 2.07 | | | 1.00 | 1.00 | | |
| Incremental Delay, d2 | | 1.4 | 0.3 | 9.3 | 0.3 | | | 14.1 | 1.0 | | |
| Delay (s) | | 21.0 | 0.3 | 39.0 | 12.2 | | | 52.0 | 36.4 | | |
| Level of Service | | C | A | D | B | | | D | D | | |
| Approach Delay (s) | | 15.4 | | | 19.9 | | | 43.3 | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 23.4 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.68 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 12.5 |
| Intersection Capacity Utilization | 68.2% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.592
Loss Time (sec): 16 Average Delay (sec/veh): 49.0
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 312 | 63 | 530 | 245 | 90 | 103 | 80 | 846 | 289 | 551 | 1098 | 156 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 312 | 63 | 530 | 245 | 90 | 103 | 80 | 846 | 289 | 551 | 1098 | 156 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 327 | 66 | 556 | 257 | 94 | 108 | 84 | 888 | 303 | 578 | 1152 | 164 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 327 | 66 | 556 | 257 | 94 | 108 | 84 | 888 | 303 | 578 | 1152 | 164 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 327 | 66 | 556 | 257 | 94 | 108 | 84 | 888 | 303 | 578 | 1152 | 164 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.03 | 0.20 | 0.07 | 0.05 | 0.07 | 0.02 | 0.17 | 0.19 | 0.17 | 0.32 | 0.10 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.10 | 0.34 | 0.34 | 0.09 | 0.33 | 0.33 | 0.09 | 0.26 | 0.26 | 0.18 | 0.35 | 0.35 |
| Volume/Cap: | 0.91 | 0.10 | 0.58 | 0.84 | 0.15 | 0.21 | 0.26 | 0.66 | 0.73 | 0.91 | 0.92 | 0.29 |
| Delay/Veh: | 80.2 | 27.1 | 33.3 | 72.5 | 28.9 | 29.5 | 51.2 | 41.1 | 46.9 | 65.9 | 48.0 | 28.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 80.2 | 27.1 | 33.3 | 72.5 | 28.9 | 29.5 | 51.2 | 41.1 | 46.9 | 65.9 | 48.0 | 28.6 |
| LOS by Move: | F | C | C | E | C | C | D | D | D | E | D | C |
| HCM2kAvgQ: | 9 | 2 | 10 | 7 | 2 | 3 | 2 | 12 | 12 | 14 | 25 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.501
Loss Time (sec): 16 Average Delay (sec/veh): 39.3
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 24 | 24 | 24 | 24 | 24 | 24 | 10 | 10 | 10 | 10 | 18 | 18 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 1! 0 | 0 | 1 0 | 0 1 | 0 | 1 0 | 1 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 2 | 4 | 3 | 281 | 4 | 39 | 52 | 540 | 4 | 10 | 368 | 371 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 2 | 4 | 3 | 281 | 4 | 39 | 52 | 540 | 4 | 10 | 368 | 371 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| PHF Volume: | 2 | 4 | 3 | 307 | 4 | 43 | 57 | 590 | 4 | 11 | 402 | 405 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 2 | 4 | 3 | 307 | 4 | 43 | 57 | 590 | 4 | 11 | 402 | 405 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 2 | 4 | 3 | 307 | 4 | 43 | 57 | 590 | 4 | 11 | 402 | 405 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.94 | 0.94 | 0.94 | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | 0.85 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.77 | 0.02 | 0.21 | 1.00 | 0.99 | 0.01 | 1.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 1900 | 1615 | 3156 | 39 | 380 | 1805 | 1884 | 14 | 1805 | 1900 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.10 | 0.11 | 0.11 | 0.03 | 0.31 | 0.31 | 0.01 | 0.21 | 0.25 |
| Crit Moves: | | **** | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.12 | 0.38 | 0.38 | 0.08 | 0.35 | 0.35 |
| Volume/Cap: | 0.01 | 0.01 | 0.01 | 0.49 | 0.56 | 0.56 | 0.27 | 0.82 | 0.82 | 0.07 | 0.60 | 0.72 |
| Delay/Veh: | 38.5 | 38.5 | 38.5 | 43.1 | 44.4 | 44.4 | 49.1 | 40.4 | 40.4 | 50.9 | 33.7 | 38.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 38.5 | 38.5 | 38.5 | 43.1 | 44.4 | 44.4 | 49.1 | 40.4 | 40.4 | 50.9 | 33.7 | 38.2 |
| LOS by Move: | D | D | D | D | D | D | D | D | D | D | C | D |
| HCM2kAvgQ: | 0 | 0 | 0 | 6 | 7 | 7 | 2 | 21 | 21 | 0 | 13 | 14 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1260 | 361 | 359 | 1314 | 0 | 0 | 0 | 0 | 512 | 2 | 491 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | 0.95 | 1.00 | 1.00 | 0.95 | | | | | 0.95 | 0.91 | 0.95 |
| Frpb, ped/bikes | | 1.00 | 0.98 | 1.00 | 1.00 | | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | 1.00 | 0.92 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | 0.95 | 0.98 | 1.00 |
| Satd. Flow (prot) | | 3574 | 1585 | 1787 | 3574 | | | | | 1698 | 1525 | 1491 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | 0.95 | 0.98 | 1.00 |
| Satd. Flow (perm) | | 3574 | 1585 | 1787 | 3574 | | | | | 1698 | 1525 | 1491 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1286 | 368 | 366 | 1341 | 0 | 0 | 0 | 0 | 522 | 2 | 501 |
| RTOR Reduction (vph) | 0 | 0 | 174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 58 |
| Lane Group Flow (vph) | 0 | 1286 | 194 | 366 | 1341 | 0 | 0 | 0 | 0 | 355 | 312 | 268 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 1% | 0% | 1% | 1% | 0% | 0% | 0% | 0% | 1% | 50% | 1% |
| Turn Type | | | Perm | Prot | | | | | | Split | | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | 2 | | | | | | | | | 4 |
| Actuated Green, G (s) | | 50.2 | 50.2 | 26.4 | 81.1 | | | | | 26.9 | 26.9 | 26.9 |
| Effective Green, g (s) | | 50.2 | 50.2 | 26.4 | 81.1 | | | | | 26.9 | 26.9 | 26.9 |
| Actuated g/C Ratio | | 0.42 | 0.42 | 0.22 | 0.68 | | | | | 0.22 | 0.22 | 0.22 |
| Clearance Time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | 2.0 | 2.0 | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 1495 | 663 | 393 | 2415 | | | | | 381 | 342 | 334 |
| v/s Ratio Prot | | c0.36 | | c0.20 | 0.38 | | | | | c0.21 | 0.20 | |
| v/s Ratio Perm | | | 0.12 | | | | | | | | | 0.18 |
| v/c Ratio | | 0.86 | 0.29 | 0.93 | 0.56 | | | | | 0.93 | 0.91 | 0.80 |
| Uniform Delay, d1 | | 31.7 | 23.1 | 45.9 | 10.1 | | | | | 45.6 | 45.4 | 44.0 |
| Progression Factor | | 0.54 | 0.14 | 0.79 | 1.08 | | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 5.0 | 0.8 | 14.0 | 0.3 | | | | | 29.0 | 27.3 | 12.3 |
| Delay (s) | | 22.0 | 4.0 | 50.1 | 11.2 | | | | | 74.6 | 72.7 | 56.3 |
| Level of Service | | C | A | D | B | | | | | E | E | E |
| Approach Delay (s) | | 18.0 | | | 19.5 | | | 0.0 | | | 68.1 | |
| Approach LOS | | B | | | B | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 30.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.90 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 87.8% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 603 | 221 | 435 | 627 | 0 | 0 | 0 | 0 | 405 | 2 | 122 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 0.97 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 1863 | 1615 | 1787 | 1845 | | | | | | 1771 | 1535 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 1863 | 1615 | 1787 | 1845 | | | | | | 1771 | 1535 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 635 | 233 | 458 | 660 | 0 | 0 | 0 | 0 | 426 | 2 | 128 |
| RTOR Reduction (vph) | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 |
| Lane Group Flow (vph) | 0 | 635 | 83 | 458 | 660 | 0 | 0 | 0 | 0 | 0 | 428 | 30 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 0% | 1% | 3% | 0% | 0% | 0% | 0% | 2% | 50% | 2% |
| Turn Type | | NA | Perm | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | 2 | | | | | | | | | 4 |
| Actuated Green, G (s) | | 34.0 | 34.0 | 22.5 | 61.0 | | | | | | 22.0 | 22.0 |
| Effective Green, g (s) | | 34.0 | 34.0 | 22.5 | 61.0 | | | | | | 22.0 | 22.0 |
| Actuated g/C Ratio | | 0.36 | 0.36 | 0.24 | 0.64 | | | | | | 0.23 | 0.23 |
| Clearance Time (s) | | 6.0 | 6.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | 2.0 | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 667 | 578 | 423 | 1185 | | | | | | 410 | 355 |
| v/s Ratio Prot | | c0.34 | | c0.26 | 0.36 | | | | | | c0.24 | |
| v/s Ratio Perm | | | 0.05 | | | | | | | | | 0.02 |
| v/c Ratio | | 0.95 | 0.14 | 1.08 | 0.56 | | | | | | 1.04 | 0.08 |
| Uniform Delay, d1 | | 29.7 | 20.7 | 36.2 | 9.5 | | | | | | 36.5 | 28.6 |
| Progression Factor | | 1.00 | 1.00 | 0.87 | 0.68 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 24.9 | 0.5 | 58.2 | 1.1 | | | | | | 56.4 | 0.5 |
| Delay (s) | | 54.6 | 21.2 | 89.8 | 7.6 | | | | | | 92.9 | 29.1 |
| Level of Service | | D | C | F | A | | | | | | F | C |
| Approach Delay (s) | | 45.6 | | | 41.3 | | | 0.0 | | | 78.2 | |
| Approach LOS | | D | | | D | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 50.8 | HCM Level of Service | D |
| HCM Volume to Capacity ratio | 1.02 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 92.1% | ICU Level of Service | F |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 168 | 313 | 0 | 0 | 280 | 69 | 213 | 1 | 174 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 6.0 | | | 6.0 | 6.0 | | 5.0 | 5.0 | | | |
| Lane Util. Factor | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 0.97 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1752 | 1827 | | | 1881 | 1553 | | 1724 | 1473 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1752 | 1827 | | | 1881 | 1553 | | 1724 | 1473 | | | |
| Peak-hour factor, PHF | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| Adj. Flow (vph) | 191 | 356 | 0 | 0 | 318 | 78 | 242 | 1 | 198 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 160 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 191 | 356 | 0 | 0 | 318 | 38 | 0 | 243 | 38 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 3% | 4% | 0% | 0% | 1% | 4% | 5% | 0% | 6% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Perm | Split | | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | |
| Actuated Green, G (s) | 16.1 | 70.0 | | | 48.9 | 48.9 | | 19.0 | 19.0 | | | |
| Effective Green, g (s) | 16.1 | 70.0 | | | 48.9 | 48.9 | | 19.0 | 19.0 | | | |
| Actuated g/C Ratio | 0.16 | 0.70 | | | 0.49 | 0.49 | | 0.19 | 0.19 | | | |
| Clearance Time (s) | 5.0 | 6.0 | | | 6.0 | 6.0 | | 5.0 | 5.0 | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | | 3.0 | 3.0 | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 282 | 1279 | | | 920 | 759 | | 328 | 280 | | | |
| v/s Ratio Prot | c0.11 | 0.19 | | | c0.17 | | | c0.14 | | | | |
| v/s Ratio Perm | | | | | | 0.02 | | | 0.03 | | | |
| v/c Ratio | 0.68 | 0.28 | | | 0.35 | 0.05 | | 0.74 | 0.13 | | | |
| Uniform Delay, d1 | 39.5 | 5.6 | | | 15.7 | 13.4 | | 38.2 | 33.7 | | | |
| Progression Factor | 0.94 | 0.46 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 6.1 | 0.5 | | | 1.0 | 0.1 | | 8.7 | 0.2 | | | |
| Delay (s) | 43.2 | 3.1 | | | 16.7 | 13.5 | | 46.9 | 33.9 | | | |
| Level of Service | D | A | | | B | B | | D | C | | | |
| Approach Delay (s) | | 17.1 | | | 16.1 | | | 41.0 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 24.4 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.50 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 49.5% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 256 | 512 | 0 | 0 | 923 | 186 | 196 | 2 | 229 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.0 | | | 4.0 | 4.0 | | 4.0 | 4.0 | | | |
| Lane Util. Factor | 1.00 | 0.95 | | | 0.95 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1736 | 3574 | | | 3574 | 1538 | | 1793 | 1599 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1736 | 3574 | | | 3574 | 1538 | | 1793 | 1599 | | | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Adj. Flow (vph) | 278 | 557 | 0 | 0 | 1003 | 202 | 213 | 2 | 249 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 278 | 557 | 0 | 0 | 1003 | 202 | 0 | 215 | 44 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 4% | 1% | 0% | 0% | 1% | 5% | 1% | 0% | 1% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Free | Split | | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 20.3 | 73.7 | | | 49.9 | 100.0 | | 17.3 | 17.3 | | | |
| Effective Green, g (s) | 19.8 | 74.2 | | | 50.4 | 100.0 | | 17.8 | 17.8 | | | |
| Actuated g/C Ratio | 0.20 | 0.74 | | | 0.50 | 1.00 | | 0.18 | 0.18 | | | |
| Clearance Time (s) | 3.5 | 4.5 | | | 4.5 | | | 4.5 | 4.5 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 344 | 2652 | | | 1801 | 1538 | | 319 | 285 | | | |
| v/s Ratio Prot | c0.16 | 0.16 | | | c0.28 | | | c0.12 | | | | |
| v/s Ratio Perm | | | | | | 0.13 | | | 0.03 | | | |
| v/c Ratio | 0.81 | 0.21 | | | 0.56 | 0.13 | | 0.67 | 0.16 | | | |
| Uniform Delay, d1 | 38.3 | 3.9 | | | 17.1 | 0.0 | | 38.4 | 34.7 | | | |
| Progression Factor | 1.24 | 0.45 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 10.2 | 0.0 | | | 1.2 | 0.2 | | 5.5 | 0.3 | | | |
| Delay (s) | 57.6 | 1.8 | | | 18.3 | 0.2 | | 43.9 | 35.0 | | | |
| Level of Service | E | A | | | B | A | | D | D | | | |
| Approach Delay (s) | | 20.4 | | | 15.3 | | | 39.1 | | | 0.0 | |
| Approach LOS | | C | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 21.4 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.64 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 68.2% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 356 | 1416 | 0 | 0 | 1148 | 359 | 525 | 0 | 707 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | 1.00 | 0.95 | | | 0.95 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 0.98 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | 1.00 | 0.88 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (prot) | 1787 | 3574 | | | 3574 | 1539 | 1698 | 1467 | 1479 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (perm) | 1787 | 3574 | | | 3574 | 1539 | 1698 | 1467 | 1479 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 363 | 1445 | 0 | 0 | 1171 | 366 | 536 | 0 | 721 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 197 | 0 | 30 | 30 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 363 | 1445 | 0 | 0 | 1171 | 169 | 440 | 383 | 374 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 1% | 1% | 0% | 0% | 1% | 3% | 1% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | | | | | Perm | Split | | Perm | | | |
| Protected Phases | 7 | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | | | | 8 | | | 2 | | | |
| Actuated Green, G (s) | 25.8 | 71.1 | | | 40.8 | 40.8 | 36.9 | 36.9 | 36.9 | | | |
| Effective Green, g (s) | 25.8 | 71.1 | | | 40.8 | 40.8 | 36.9 | 36.9 | 36.9 | | | |
| Actuated g/C Ratio | 0.22 | 0.59 | | | 0.34 | 0.34 | 0.31 | 0.31 | 0.31 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | 384 | 2118 | | | 1215 | 523 | 522 | 451 | 455 | | | |
| v/s Ratio Prot | c0.20 | 0.40 | | | c0.33 | | 0.26 | c0.26 | | | | |
| v/s Ratio Perm | | | | | | 0.11 | | | 0.25 | | | |
| v/c Ratio | 0.95 | 0.68 | | | 0.96 | 0.32 | 0.84 | 0.85 | 0.82 | | | |
| Uniform Delay, d1 | 46.4 | 16.7 | | | 38.9 | 29.4 | 38.8 | 39.0 | 38.5 | | | |
| Progression Factor | 0.72 | 0.65 | | | 0.25 | 0.09 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 19.0 | 0.3 | | | 11.5 | 0.1 | 15.2 | 17.9 | 15.4 | | | |
| Delay (s) | 52.3 | 11.2 | | | 21.1 | 2.9 | 54.1 | 56.8 | 53.9 | | | |
| Level of Service | D | B | | | C | A | D | E | D | | | |
| Approach Delay (s) | | 19.5 | | | 16.8 | | | 54.9 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 28.2 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.92 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 87.8% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 109 | 899 | 0 | 0 | 788 | 356 | 274 | 0 | 516 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | |
| Lane Util. Factor | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 0.97 | | 1.00 | 1.00 | | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 1752 | 1863 | | | 1863 | 1508 | | 1787 | 1599 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 1752 | 1863 | | | 1863 | 1508 | | 1787 | 1599 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 111 | 917 | 0 | 0 | 804 | 363 | 280 | 0 | 527 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 187 | 0 | 0 | 111 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 111 | 917 | 0 | 0 | 804 | 176 | 0 | 280 | 416 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | 5 | | | | | | |
| Heavy Vehicles (%) | 3% | 2% | 0% | 0% | 2% | 4% | 1% | 0% | 1% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Perm | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | |
| Actuated Green, G (s) | 7.4 | 58.0 | | | 46.1 | 46.1 | | 25.0 | 25.0 | | | |
| Effective Green, g (s) | 7.4 | 58.0 | | | 46.1 | 46.1 | | 25.0 | 25.0 | | | |
| Actuated g/C Ratio | 0.08 | 0.61 | | | 0.49 | 0.49 | | 0.26 | 0.26 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | 136 | 1137 | | | 904 | 732 | | 470 | 421 | | | |
| v/s Ratio Prot | 0.06 | c0.49 | | | c0.43 | | | 0.16 | | | | |
| v/s Ratio Perm | | | | | | 0.12 | | | c0.26 | | | |
| v/c Ratio | 0.82 | 0.81 | | | 0.89 | 0.24 | | 0.60 | 0.99 | | | |
| Uniform Delay, d1 | 43.1 | 14.2 | | | 22.1 | 14.2 | | 30.6 | 34.8 | | | |
| Progression Factor | 1.18 | 0.12 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 8.6 | 1.6 | | | 12.7 | 0.8 | | 5.5 | 40.9 | | | |
| Delay (s) | 59.6 | 3.3 | | | 34.9 | 15.0 | | 36.1 | 75.7 | | | |
| Level of Service | E | A | | | C | B | | D | E | | | |
| Approach Delay (s) | | 9.4 | | | 28.7 | | | 62.0 | | | 0.0 | |
| Approach LOS | | A | | | C | | | E | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 31.0 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.95 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 18.0 |
| Intersection Capacity Utilization | 92.1% | ICU Level of Service | F |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

Average Delay (sec/veh): 2.4 Worst Case Level Of Service: C[ 16.9]

| Approach: | North Bound | | | | | South Bound | | | | | East Bound | | | | | West Bound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - | T | - | R | L | - | T | - | R | L | - | T | - | R | L | - | T | - | R |
| Control: | Stop Sign | | | | | Stop Sign | | | | | Uncontrolled | | | | | Uncontrolled | | | | |
| Rights: | Include | | | | | Include | | | | | Include | | | | | Include | | | | |
| Lanes: | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | | | | | |
| Base Vol: | 69 | 0 | 44 | | | 0 | 0 | 0 | | | 0 | 395 | 92 | | | 33 | 280 | 0 | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | |
| Initial Bse: | 69 | 0 | 44 | | | 0 | 0 | 0 | | | 0 | 395 | 92 | | | 33 | 280 | 0 | | |
| User Adj: | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | | |
| PHF Adj: | 0.90 | 0.90 | 0.90 | | | 0.90 | 0.90 | 0.90 | | | 0.90 | 0.90 | 0.90 | | | 0.90 | 0.90 | 0.90 | | |
| PHF Volume: | 77 | 0 | 49 | | | 0 | 0 | 0 | | | 0 | 439 | 102 | | | 37 | 311 | 0 | | |
| Reduct Vol: | 0 | 0 | 0 | | | 0 | 0 | 0 | | | 0 | 0 | 0 | | | 0 | 0 | 0 | | |
| FinalVolume: | 77 | 0 | 49 | | | 0 | 0 | 0 | | | 0 | 439 | 102 | | | 37 | 311 | 0 | | |
| Critical Gap Module: | | | | | | | | | | | | | | | | | | | | |
| Critical Gp: | 6.4 | xxxx | 6.2 | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | | 4.1 | xxxx | xxxxx | | | | | | | |
| FollowUpTim: | 3.5 | xxxx | 3.3 | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | | 2.2 | xxxx | xxxxx | | | | | | | |
| Capacity Module: | | | | | | | | | | | | | | | | | | | | |
| Cnflict Vol: | 875 | xxxx | 491 | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | | 542 | xxxx | xxxxx | | | | | | | |
| Potent Cap.: | 322 | xxxx | 582 | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | | 1037 | xxxx | xxxxx | | | | | | | |
| Move Cap.: | 313 | xxxx | 582 | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | | 1037 | xxxx | xxxxx | | | | | | | |
| Volume/Cap: | 0.24 | xxxx | 0.08 | xxxx | xxxx | xxxx | xxxx | xxxx | xxxx | | 0.04 | xxxx | xxxx | | | | | | | |
| Level Of Service Module: | | | | | | | | | | | | | | | | | | | | |
| 2Way95thQ: | 0.9 | xxxx | 0.3 | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | | 0.1 | xxxx | xxxxx | | | | | | | |
| Control Del: | 20.2 | xxxx | 11.8 | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | | 8.6 | xxxx | xxxxx | | | | | | | |
| LOS by Move: | C | * | B | * | * | * | * | * | * | | A | * | * | | | | | | | |
| Movement: | LT | - | LTR | - | RT | LT | - | LTR | - | RT | LT | - | LTR | - | RT | | | | | |
| Shared Cap.: | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | xxxx | xxxx | xxxxx | | xxxx | xxxx | xxxxx | | | | | | | |
| SharedQueue: | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | | 0.1 | xxxx | xxxxx | | | | | | | |
| Shrd ConDel: | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | xxxxx | xxxx | xxxxx | | 8.6 | xxxx | xxxxx | | | | | | | |
| Shared LOS: | * | * | * | * | * | * | * | * | * | | A | * | * | | | | | | | |
| ApproachDel: | 16.9 | | | xxxxxx | | | xxxxxx | | | | xxxxxx | | | | | | | | | |
| ApproachLOS: | C | | | * | | | * | | | | * | | | | | | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

Cycle (sec): 100 Critical Vol./Cap.(X): 0.576
Loss Time (sec): 12 Average Delay (sec/veh): 22.0
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 25 | 25 | 25 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 1 0 | 0 1 | 0 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 171 | 20 | 37 | 26 | 16 | 88 | 174 | 887 | 302 | 34 | 584 | 34 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 171 | 20 | 37 | 26 | 16 | 88 | 174 | 887 | 302 | 34 | 584 | 34 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| PHF Volume: | 175 | 20 | 38 | 27 | 16 | 90 | 178 | 906 | 308 | 35 | 597 | 35 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 175 | 20 | 38 | 27 | 16 | 90 | 178 | 906 | 308 | 35 | 597 | 35 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 175 | 20 | 38 | 27 | 16 | 90 | 178 | 906 | 308 | 35 | 597 | 35 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.67 | 0.90 | 0.90 | 0.72 | 0.87 | 0.87 | 0.95 | 0.91 | 0.91 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 0.35 | 0.65 | 1.00 | 0.15 | 0.85 | 1.00 | 1.49 | 0.51 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1265 | 602 | 1114 | 1370 | 255 | 1404 | 1805 | 2591 | 882 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.14 | 0.03 | 0.03 | 0.02 | 0.06 | 0.06 | 0.10 | 0.35 | 0.35 | 0.02 | 0.17 | 0.02 |
| Crit Moves: | **** | | | | | | | **** | | **** | | |
| Green/Cycle: | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.19 | 0.53 | 0.53 | 0.10 | 0.44 | 0.44 |
| Volume/Cap: | 0.55 | 0.14 | 0.14 | 0.08 | 0.26 | 0.26 | 0.53 | 0.66 | 0.66 | 0.19 | 0.37 | 0.05 |
| Delay/Veh: | 34.7 | 29.3 | 29.3 | 28.8 | 30.4 | 30.4 | 38.4 | 17.9 | 17.9 | 41.8 | 18.6 | 15.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.7 | 29.3 | 29.3 | 28.8 | 30.4 | 30.4 | 38.4 | 17.9 | 17.9 | 41.8 | 18.6 | 15.8 |
| LOS by Move: | C | C | C | C | C | C | D | B | B | D | B | B |
| HCM2kAvgQ: | 5 | 1 | 1 | 1 | 3 | 3 | 6 | 15 | 15 | 1 | 6 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.768
Loss Time (sec): 16 Average Delay (sec/veh): 49.8
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 30 | 30 | 10 | 30 | 30 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 2 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 563 | 101 | 207 | 18 | 61 | 108 | 238 | 1172 | 713 | 129 | 836 | 31 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 563 | 101 | 207 | 18 | 61 | 108 | 238 | 1172 | 713 | 129 | 836 | 31 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| PHF Volume: | 601 | 108 | 221 | 19 | 65 | 115 | 254 | 1251 | 761 | 138 | 892 | 33 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 601 | 108 | 221 | 19 | 65 | 115 | 254 | 1251 | 761 | 138 | 892 | 33 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 601 | 108 | 221 | 19 | 65 | 115 | 254 | 1251 | 761 | 138 | 892 | 33 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.91 | 0.91 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.89 | 0.11 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 1805 | 4977 | 185 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.06 | 0.14 | 0.01 | 0.03 | 0.07 | 0.07 | 0.35 | 0.47 | 0.08 | 0.18 | 0.18 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.18 | 0.32 | 0.32 | 0.11 | 0.25 | 0.25 | 0.13 | 0.36 | 0.53 | 0.08 | 0.31 | 0.31 |
| Volume/Cap: | 0.97 | 0.18 | 0.43 | 0.05 | 0.14 | 0.29 | 0.56 | 0.97 | 0.88 | 0.92 | 0.58 | 0.58 |
| Delay/Veh: | 78.1 | 29.6 | 32.7 | 48.2 | 35.1 | 36.7 | 50.6 | 56.5 | 35.4 | 103.5 | 35.3 | 35.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 78.1 | 29.6 | 32.7 | 48.2 | 35.1 | 36.7 | 50.6 | 56.5 | 35.4 | 103.5 | 35.3 | 35.3 |
| LOS by Move: | E | C | C | D | D | D | D | E | D | F | D | D |
| HCM2kAvgQ: | 16 | 3 | 7 | 0 | 2 | 3 | 5 | 30 | 28 | 8 | 11 | 11 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 105 Critical Vol./Cap.(X): 0.751
Loss Time (sec): 16 Average Delay (sec/veh): 38.6
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 1 0 | 1 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 370 | 270 | 123 | 57 | 107 | 253 | 291 | 804 | 320 | 75 | 521 | 37 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 370 | 270 | 123 | 57 | 107 | 253 | 291 | 804 | 320 | 75 | 521 | 37 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 374 | 273 | 124 | 58 | 108 | 256 | 295 | 814 | 324 | 76 | 527 | 37 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 374 | 273 | 124 | 58 | 108 | 256 | 295 | 814 | 324 | 76 | 527 | 37 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 374 | 273 | 124 | 58 | 108 | 256 | 295 | 814 | 324 | 76 | 527 | 37 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.95 | 1.00 | 0.85 | 0.95 | 0.91 | 0.91 | 0.95 | 0.94 | 0.94 |
| Lanes: | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.43 | 0.57 | 1.00 | 1.87 | 0.13 |
| Final Sat.: | 3502 | 1900 | 1615 | 1805 | 1900 | 1615 | 1805 | 2471 | 984 | 1805 | 3337 | 237 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.14 | 0.08 | 0.03 | 0.06 | 0.16 | 0.16 | 0.33 | 0.33 | 0.04 | 0.16 | 0.16 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.24 | 0.24 | 0.11 | 0.21 | 0.21 | 0.19 | 0.41 | 0.41 | 0.10 | 0.31 | 0.31 |
| Volume/Cap: | 0.80 | 0.61 | 0.33 | 0.30 | 0.27 | 0.76 | 0.85 | 0.80 | 0.80 | 0.44 | 0.50 | 0.50 |
| Delay/Veh: | 53.9 | 38.3 | 33.7 | 44.1 | 35.2 | 48.4 | 58.9 | 30.7 | 30.7 | 46.7 | 29.8 | 29.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.9 | 38.3 | 33.7 | 44.1 | 35.2 | 48.4 | 58.9 | 30.7 | 30.7 | 46.7 | 29.8 | 29.8 |
| LOS by Move: | D | D | C | D | D | D | E | C | C | D | C | C |
| HCM2kAvgQ: | 8 | 9 | 3 | 2 | 3 | 10 | 12 | 19 | 19 | 3 | 8 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 65 Critical Vol./Cap.(X): 0.678
Loss Time (sec): 12 Average Delay (sec/veh): 20.5
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 21 | 21 | 21 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 1 | 0 | 0 1 | 0 1 | 0 | 0 1 | 1 0 | 2 | 0 1 | 1 0 | 1 | 1 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 92 | 152 | 191 | 52 | 134 | 31 | 52 | 846 | 122 | 198 | 584 | 75 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 92 | 152 | 191 | 52 | 134 | 31 | 52 | 846 | 122 | 198 | 584 | 75 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| PHF Volume: | 99 | 164 | 206 | 56 | 145 | 33 | 56 | 913 | 132 | 214 | 630 | 81 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 99 | 164 | 206 | 56 | 145 | 33 | 56 | 913 | 132 | 214 | 630 | 81 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 99 | 164 | 206 | 56 | 145 | 33 | 56 | 913 | 132 | 214 | 630 | 81 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.73 | 0.73 | 0.85 | 0.80 | 0.80 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.93 | 0.93 |
| Lanes: | 0.38 | 0.62 | 1.00 | 0.28 | 0.72 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.77 | 0.23 |
| Final Sat.: | 524 | 866 | 1615 | 427 | 1101 | 1615 | 1805 | 3610 | 1615 | 1805 | 3145 | 404 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.19 | 0.19 | 0.13 | 0.13 | 0.13 | 0.02 | 0.03 | 0.25 | 0.08 | 0.12 | 0.20 | 0.20 |
| Crit Moves: | | **** | | | | | | **** | | **** | | |
| Green/Cycle: | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.15 | 0.38 | 0.38 | 0.17 | 0.40 | 0.40 |
| Volume/Cap: | 0.68 | 0.68 | 0.46 | 0.48 | 0.48 | 0.07 | 0.20 | 0.67 | 0.22 | 0.68 | 0.50 | 0.50 |
| Delay/Veh: | 27.3 | 27.3 | 21.5 | 21.6 | 21.6 | 18.5 | 25.9 | 19.3 | 14.8 | 33.0 | 16.0 | 16.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 27.3 | 27.3 | 21.5 | 21.6 | 21.6 | 18.5 | 25.9 | 19.3 | 14.8 | 33.0 | 16.0 | 16.0 |
| LOS by Move: | C | C | C | C | C | B | C | B | B | C | B | B |
| HCM2kAvgQ: | 6 | 6 | 4 | 4 | 4 | 1 | 1 | 10 | 2 | 6 | 6 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 100 Critical Vol./Cap.(X): 0.190
Loss Time (sec): 16 Average Delay (sec/veh): 33.4
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 10 | 10 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 1 1 | 0 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 94 | 97 | 1 | 35 | 122 | 238 | 294 | 147 | 155 | 1 | 89 | 25 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 94 | 97 | 1 | 35 | 122 | 238 | 294 | 147 | 155 | 1 | 89 | 25 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 97 | 100 | 1 | 36 | 126 | 246 | 303 | 152 | 160 | 1 | 92 | 26 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 97 | 100 | 1 | 36 | 126 | 246 | 303 | 152 | 160 | 1 | 92 | 26 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 97 | 100 | 1 | 36 | 126 | 246 | 303 | 152 | 160 | 1 | 92 | 26 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.88 | 0.88 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 1666 | 1666 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.03 | 0.00 | 0.02 | 0.03 | 0.15 | 0.09 | 0.09 | 0.10 | 0.00 | 0.03 | 0.02 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.18 | 0.35 | 0.35 | 0.10 | 0.27 | 0.27 | 0.13 | 0.28 | 0.28 | 0.11 | 0.26 | 0.26 |
| Volume/Cap: | 0.30 | 0.08 | 0.00 | 0.20 | 0.13 | 0.56 | 0.67 | 0.32 | 0.34 | 0.00 | 0.10 | 0.06 |
| Delay/Veh: | 36.2 | 21.8 | 21.1 | 41.9 | 27.6 | 32.9 | 45.2 | 28.6 | 28.8 | 39.8 | 28.1 | 27.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 36.2 | 21.8 | 21.1 | 41.9 | 27.6 | 32.9 | 45.2 | 28.6 | 28.8 | 39.8 | 28.1 | 27.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 3 | 1 | 0 | 1 | 2 | 7 | 6 | 4 | 4 | 0 | 1 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 110 Critical Vol./Cap.(X): 0.548
Loss Time (sec): 16 Average Delay (sec/veh): 35.7
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 2 1 | 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 95 | 54 | 131 | 15 | 36 | 126 | 196 | 885 | 100 | 113 | 669 | 18 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 95 | 54 | 131 | 15 | 36 | 126 | 196 | 885 | 100 | 113 | 669 | 18 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| PHF Volume: | 105 | 60 | 144 | 17 | 40 | 139 | 216 | 976 | 110 | 125 | 738 | 20 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 105 | 60 | 144 | 17 | 40 | 139 | 216 | 976 | 110 | 125 | 738 | 20 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 105 | 60 | 144 | 17 | 40 | 139 | 216 | 976 | 110 | 125 | 738 | 20 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.90 | 0.90 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.70 | 0.30 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 4590 | 519 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.02 | 0.09 | 0.01 | 0.01 | 0.09 | 0.12 | 0.21 | 0.21 | 0.07 | 0.20 | 0.01 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.09 | 0.30 | 0.30 | 0.09 | 0.30 | 0.30 | 0.17 | 0.34 | 0.34 | 0.12 | 0.29 | 0.29 |
| Volume/Cap: | 0.64 | 0.05 | 0.30 | 0.10 | 0.04 | 0.29 | 0.70 | 0.62 | 0.62 | 0.57 | 0.70 | 0.04 |
| Delay/Veh: | 56.4 | 27.4 | 29.9 | 46.1 | 27.3 | 29.8 | 49.8 | 31.0 | 31.0 | 48.9 | 36.7 | 27.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 56.4 | 27.4 | 29.9 | 46.1 | 27.3 | 29.8 | 49.8 | 31.0 | 31.0 | 48.9 | 36.7 | 27.9 |
| LOS by Move: | E | C | C | D | C | C | D | C | C | D | D | C |
| HCM2kAvgQ: | 5 | 1 | 4 | 1 | 0 | 4 | 8 | 12 | 12 | 5 | 13 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.249 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 9.9 |
| Optimal Cycle: | 0 | Level Of Service: | A |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 16 | 251 | 14 | 21 | 122 | 43 | 42 | 88 | 52 | 11 | 59 | 37 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 16 | 251 | 14 | 21 | 122 | 43 | 42 | 88 | 52 | 11 | 59 | 37 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| PHF Volume: | 18 | 286 | 16 | 24 | 139 | 49 | 48 | 100 | 59 | 13 | 67 | 42 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 18 | 286 | 16 | 24 | 139 | 49 | 48 | 100 | 59 | 13 | 67 | 42 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 18 | 286 | 16 | 24 | 139 | 49 | 48 | 100 | 59 | 13 | 67 | 42 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 1.48 | 0.52 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 527 | 1146 | 639 | 506 | 824 | 302 | 496 | 1066 | 595 | 478 | 1024 | 569 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.25 | 0.02 | 0.05 | 0.17 | 0.16 | 0.10 | 0.09 | 0.10 | 0.03 | 0.07 | 0.07 |
| Crit Moves: | | **** | | | **** | | | | **** | | | **** |
| Delay/Veh: | 9.4 | 10.6 | 8.2 | 9.8 | 10.0 | 9.6 | 10.2 | 9.7 | 8.9 | 9.9 | 9.7 | 9.0 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 9.4 | 10.6 | 8.2 | 9.8 | 10.0 | 9.6 | 10.2 | 9.7 | 8.9 | 9.9 | 9.7 | 9.0 |
| LOS by Move: | A | B | A | A | A | A | B | A | A | A | A | A |
| ApproachDel: | | 10.4 | | | 9.9 | | | 9.6 | | | 9.4 | |
| Delay Adj: | | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | |
| ApprAdjDel: | | 10.4 | | | 9.9 | | | 9.6 | | | 9.4 | |
| LOS by Appr: | | B | | | A | | | A | | | A | |
| AllWayAvgQ: | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 0 | Critical Vol./Cap.(X): | 0.476 |
| Loss Time (sec): | 0 | Average Delay (sec/veh): | 10.7 |
| Optimal Cycle: | 0 | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Stop Sign | | | Stop Sign | | | Stop Sign | | | Stop Sign | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lanes: | 1 0 1 | 0 1 | | 1 0 1 | 0 1 | | 1 0 0 | 1 0 | | 0 0 1! | 0 0 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 26 | 294 | 26 | 9 | 133 | 15 | 7 | 8 | 14 | 16 | 11 | 9 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 26 | 294 | 26 | 9 | 133 | 15 | 7 | 8 | 14 | 16 | 11 | 9 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| PHF Volume: | 29 | 329 | 29 | 10 | 149 | 17 | 8 | 9 | 16 | 18 | 12 | 10 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 29 | 329 | 29 | 10 | 149 | 17 | 8 | 9 | 16 | 18 | 12 | 10 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 29 | 329 | 29 | 10 | 149 | 17 | 8 | 9 | 16 | 18 | 12 | 10 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Adjustment: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.36 | 0.64 | 0.44 | 0.31 | 0.25 |
| Final Sat.: | 627 | 691 | 793 | 576 | 628 | 712 | 522 | 221 | 386 | 255 | 176 | 144 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.48 | 0.04 | 0.02 | 0.24 | 0.02 | 0.02 | 0.04 | 0.04 | 0.07 | 0.07 | 0.07 |
| Crit Moves: | | **** | | | **** | | | | **** | **** | | |
| Delay/Veh: | 8.6 | 12.3 | 7.3 | 8.8 | 9.8 | 7.6 | 9.2 | 8.4 | 8.4 | 9.2 | 9.2 | 9.2 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 8.6 | 12.3 | 7.3 | 8.8 | 9.8 | 7.6 | 9.2 | 8.4 | 8.4 | 9.2 | 9.2 | 9.2 |
| LOS by Move: | A | B | A | A | A | A | A | A | A | A | A | A |
| ApproachDel: | | 11.6 | | | 9.6 | | | 8.6 | | | 9.2 | |
| Delay Adj: | | 1.00 | | | 1.00 | | | 1.00 | | | 1.00 | |
| ApprAdjDel: | | 11.6 | | | 9.6 | | | 8.6 | | | 9.2 | |
| LOS by Appr: | | B | | | A | | | A | | | A | |
| AllWayAvgQ: | 0.0 | 0.9 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.486
Loss Time (sec): 16 Average Delay (sec/veh): 30.2
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 23 | 23 | 10 | 26 | 26 | 10 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 1 0 | 1 | 1 0 | 0 1 | 0 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 109 | 60 | 48 | 46 | 52 | 68 | 179 | 593 | 175 | 46 | 454 | 87 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 109 | 60 | 48 | 46 | 52 | 68 | 179 | 593 | 175 | 46 | 454 | 87 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 114 | 63 | 50 | 48 | 54 | 71 | 187 | 620 | 183 | 48 | 474 | 91 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 114 | 63 | 50 | 48 | 54 | 71 | 187 | 620 | 183 | 48 | 474 | 91 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 114 | 63 | 50 | 48 | 54 | 71 | 187 | 620 | 183 | 48 | 474 | 91 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 0.95 | 0.92 | 0.92 | 0.95 | 0.92 | 0.92 | 0.95 | 0.93 | 0.93 |
| Lanes: | 1.00 | 1.00 | 1.00 | 1.00 | 0.43 | 0.57 | 1.00 | 1.54 | 0.46 | 1.00 | 1.68 | 0.32 |
| Final Sat.: | 1805 | 1900 | 1615 | 1805 | 753 | 985 | 1805 | 2693 | 795 | 1805 | 2957 | 567 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.03 | 0.03 | 0.07 | 0.07 | 0.10 | 0.23 | 0.23 | 0.03 | 0.16 | 0.16 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.18 | 0.18 | 0.18 | 0.26 | 0.26 | 0.17 | 0.33 | 0.33 | 0.13 | 0.29 | 0.29 |
| Volume/Cap: | 0.57 | 0.18 | 0.17 | 0.15 | 0.28 | 0.28 | 0.62 | 0.70 | 0.70 | 0.21 | 0.56 | 0.56 |
| Delay/Veh: | 41.8 | 31.3 | 31.2 | 31.0 | 27.2 | 27.2 | 38.8 | 28.3 | 28.3 | 35.7 | 27.8 | 27.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 41.8 | 31.3 | 31.2 | 31.0 | 27.2 | 27.2 | 38.8 | 28.3 | 28.3 | 35.7 | 27.8 | 27.8 |
| LOS by Move: | D | C | C | C | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 4 | 2 | 1 | 1 | 3 | 3 | 6 | 11 | 11 | 1 | 8 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.255
Loss Time (sec): 12 Average Delay (sec/veh): 21.2
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 22 | 0 | 154 | 272 | 799 | 0 | 0 | 616 | 31 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 22 | 0 | 154 | 272 | 799 | 0 | 0 | 616 | 31 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 23 | 0 | 162 | 286 | 840 | 0 | 0 | 648 | 33 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 23 | 0 | 162 | 286 | 840 | 0 | 0 | 648 | 33 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 23 | 0 | 162 | 286 | 840 | 0 | 0 | 648 | 33 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 0.86 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 1.88 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1846 | 0 | 3077 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.05 | 0.08 | 0.16 | 0.00 | 0.00 | 0.12 | 0.02 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.41 | 0.14 | 0.45 | 0.00 | 0.00 | 0.31 | 0.31 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.13 | 0.58 | 0.36 | 0.00 | 0.00 | 0.41 | 0.07 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 15.6 | 35.8 | 15.6 | 0.0 | 0.0 | 23.6 | 21.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 15.6 | 35.8 | 15.6 | 0.0 | 0.0 | 23.6 | 21.0 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 5 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.594 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 31.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 26 | 26 | 26 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 1 0 | 0 1 | 0 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 117 | 40 | 41 | 72 | 28 | 59 | 60 | 1149 | 155 | 40 | 790 | 32 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 117 | 40 | 41 | 72 | 28 | 59 | 60 | 1149 | 155 | 40 | 790 | 32 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| PHF Volume: | 132 | 45 | 46 | 81 | 32 | 67 | 68 | 1295 | 175 | 45 | 891 | 36 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 132 | 45 | 46 | 81 | 32 | 67 | 68 | 1295 | 175 | 45 | 891 | 36 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 132 | 45 | 46 | 81 | 32 | 67 | 68 | 1295 | 175 | 45 | 891 | 36 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.92 | 0.92 | 0.95 | 0.90 | 0.90 | 0.95 | 0.95 | 0.85 | 0.95 | 0.94 | 0.94 |
| Lanes: | 1.00 | 0.49 | 0.51 | 1.00 | 0.32 | 0.68 | 1.00 | 2.00 | 1.00 | 1.00 | 1.92 | 0.08 |
| Final Sat.: | 1805 | 867 | 889 | 1805 | 549 | 1157 | 1805 | 3610 | 1615 | 1805 | 3449 | 140 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.05 | 0.05 | 0.04 | 0.06 | 0.06 | 0.04 | 0.36 | 0.11 | 0.02 | 0.26 | 0.26 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.10 | 0.10 | 0.10 | 0.22 | 0.22 | 0.22 | 0.14 | 0.47 | 0.47 | 0.08 | 0.42 | 0.42 |
| Volume/Cap: | 0.76 | 0.54 | 0.54 | 0.21 | 0.27 | 0.27 | 0.28 | 0.76 | 0.23 | 0.30 | 0.62 | 0.62 |
| Delay/Veh: | 70.8 | 55.3 | 55.3 | 38.8 | 39.4 | 39.4 | 47.2 | 28.3 | 19.0 | 52.8 | 28.1 | 28.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 70.8 | 55.3 | 55.3 | 38.8 | 39.4 | 39.4 | 47.2 | 28.3 | 19.0 | 52.8 | 28.1 | 28.1 |
| LOS by Move: | E | E | E | D | D | D | D | C | B | D | C | C |
| HCM2kAvgQ: | 7 | 4 | 4 | 2 | 3 | 3 | 2 | 22 | 4 | 2 | 14 | 14 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Existing (2012) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.191
Loss Time (sec): 12 Average Delay (sec/veh): 19.2
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Permitted | | | Permitted | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 30 | 30 | 30 | 30 | 30 | 30 | 10 | 23 | 23 | 10 | 23 | 23 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 1! 0 | 0 | 0 1 | 0 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 26 | 2 | 1 | 5 | 1 | 17 | 27 | 511 | 31 | 2 | 471 | 2 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 26 | 2 | 1 | 5 | 1 | 17 | 27 | 511 | 31 | 2 | 471 | 2 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 27 | 2 | 1 | 5 | 1 | 18 | 28 | 533 | 32 | 2 | 492 | 2 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 27 | 2 | 1 | 5 | 1 | 18 | 28 | 533 | 32 | 2 | 492 | 2 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 27 | 2 | 1 | 5 | 1 | 18 | 28 | 533 | 32 | 2 | 492 | 2 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.81 | 0.81 | 0.81 | 0.90 | 0.90 | 0.85 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.85 |
| Lanes: | 0.90 | 0.07 | 0.03 | 0.83 | 0.17 | 1.00 | 1.00 | 1.89 | 0.11 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1381 | 106 | 53 | 1431 | 286 | 1615 | 1805 | 3373 | 205 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 0.16 | 0.16 | 0.00 | 0.14 | 0.00 |
| Crit Moves: | | **** | | | | | **** | | | | **** | |
| Green/Cycle: | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.08 | 0.45 | 0.45 | 0.20 | 0.57 | 0.57 |
| Volume/Cap: | 0.08 | 0.08 | 0.08 | 0.01 | 0.01 | 0.04 | 0.19 | 0.35 | 0.35 | 0.01 | 0.24 | 0.00 |
| Delay/Veh: | 34.5 | 34.5 | 34.5 | 33.9 | 33.9 | 34.2 | 51.8 | 21.5 | 21.5 | 38.7 | 13.1 | 11.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.5 | 34.5 | 34.5 | 33.9 | 33.9 | 34.2 | 51.8 | 21.5 | 21.5 | 38.7 | 13.1 | 11.3 |
| LOS by Move: | C | C | C | C | C | C | D | C | C | D | B | B |
| HCM2kAvgQ: | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 7 | 7 | 0 | 5 | 0 |

Note: Queue reported is the number of cars per lane.

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# APPENDIX 4.4

Existing (2012) Traffic Signal Warrants Analysis

**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

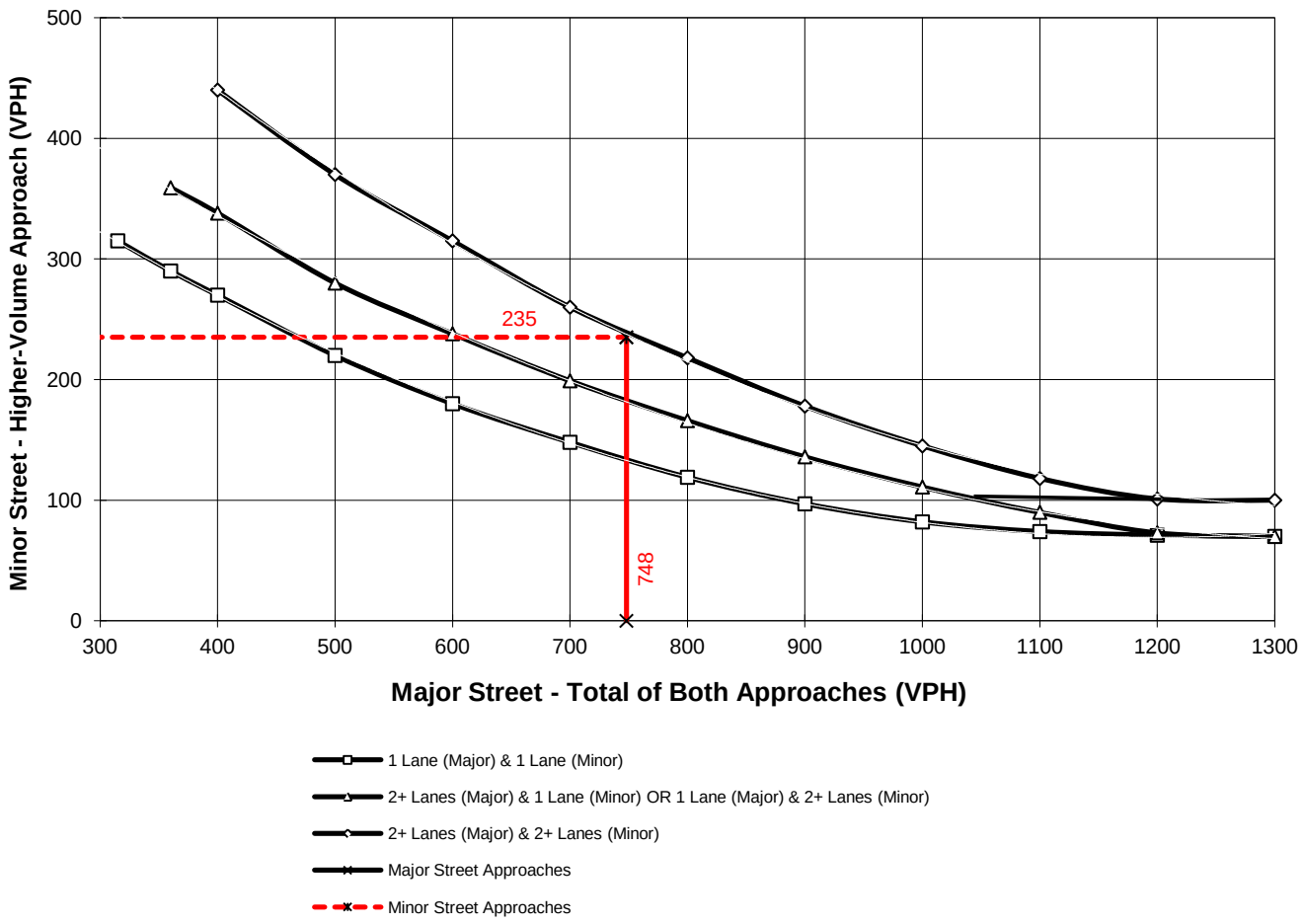
Major Street Name = **Ethanac Road**

Total of Both Approaches (VPH) = **748**
Number of Approach Lanes Major Street = **2**

Minor Street Name = **Murrieta Road**

High Volume Approach (VPH) = **235**
Number of Approach Lanes Minor Street = **1**

**WARRANTED FOR A SIGNAL**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

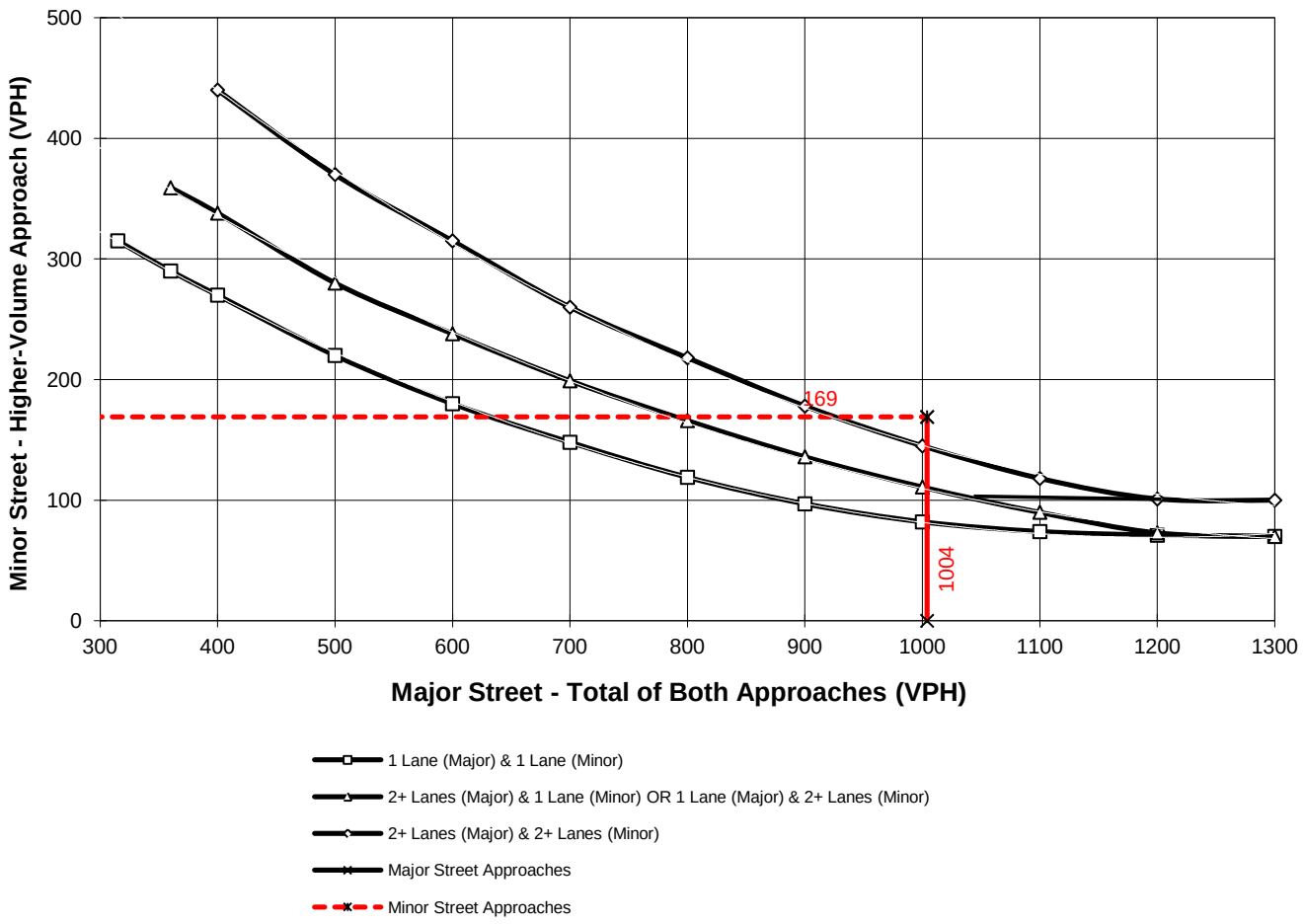
Major Street Name = **Scott Road**

Total of Both Approaches (VPH) = **1004**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Murrieta Road**

High Volume Approach (VPH) = **169**
Number of Approach Lanes Minor Street = **1**

**WARRANTED FOR A SIGNAL**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

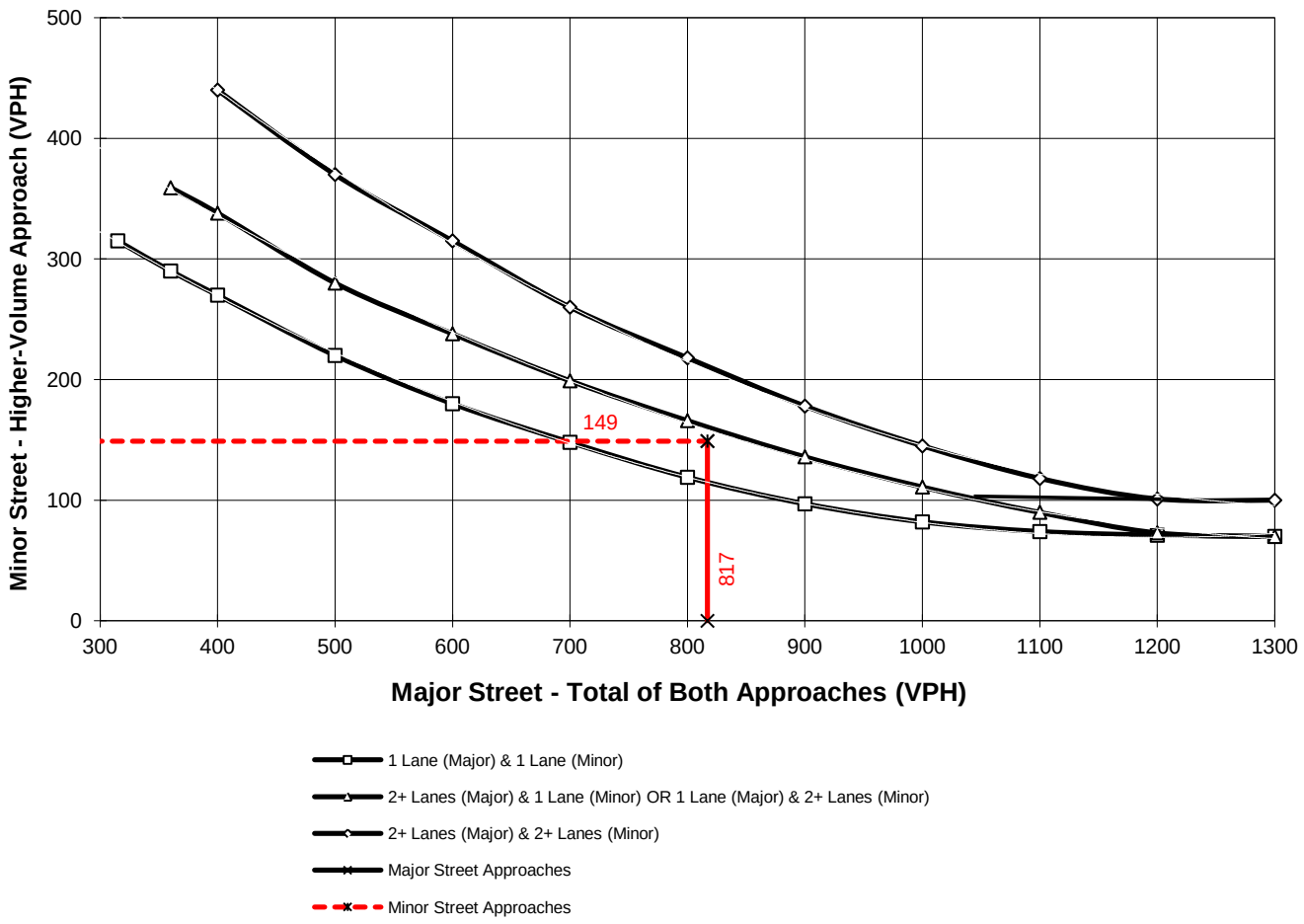
Major Street Name = **Bradley Road**

Total of Both Approaches (VPH) = **817**
Number of Approach Lanes Major Street = **2**

Minor Street Name = **Cherry Hills Blvd.**

High Volume Approach (VPH) = **149**
Number of Approach Lanes Minor Street = **2**

**SIGNAL WARRANT NOT SATISFIED**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

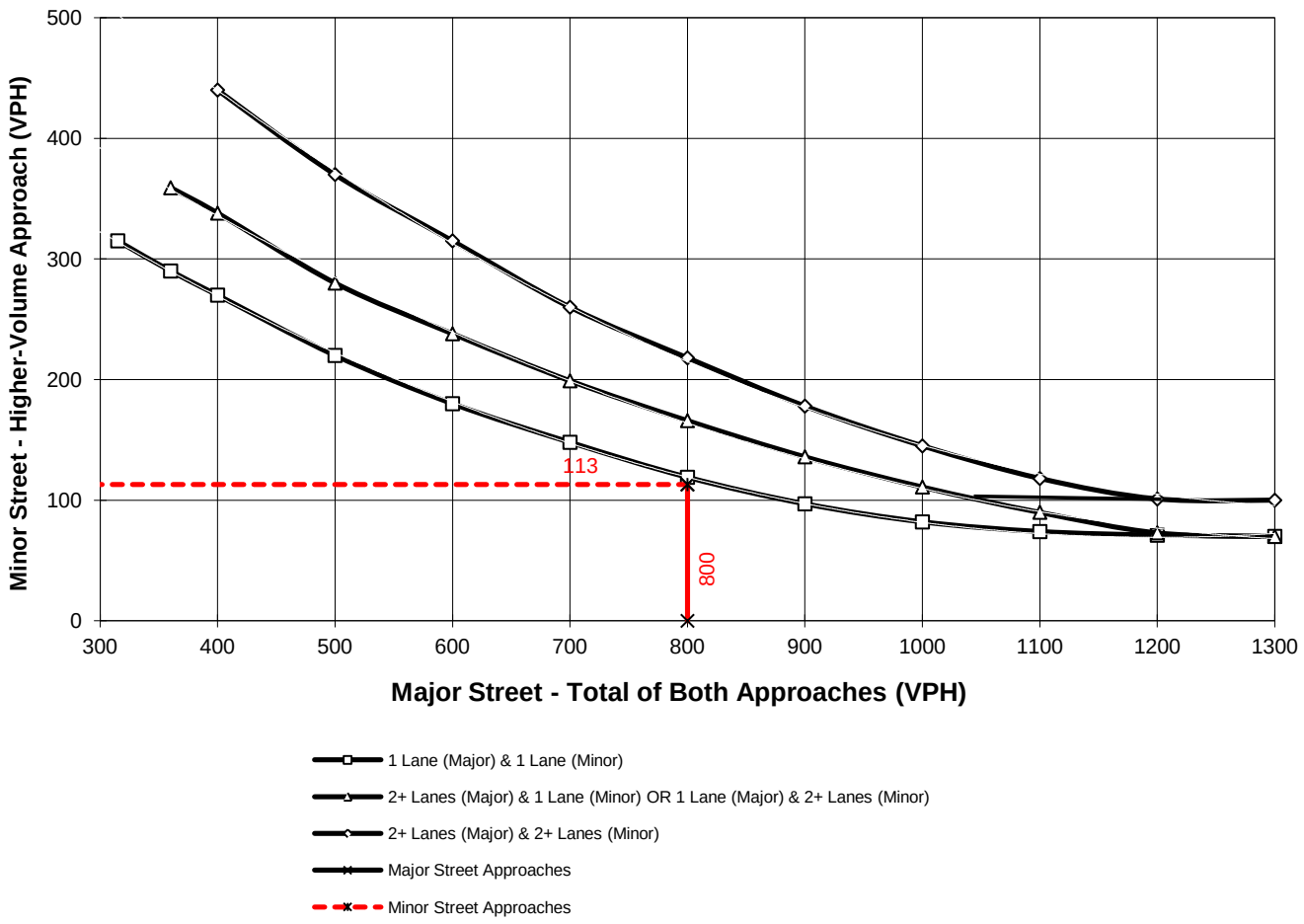
**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

Major Street Name = **Ethanac Drive** Total of Both Approaches (VPH) = **800**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Encanto Road** High Volume Approach (VPH) = **113**
Number of Approach Lanes Minor Street = **1**

**SIGNAL WARRANT NOT SATISFIED**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

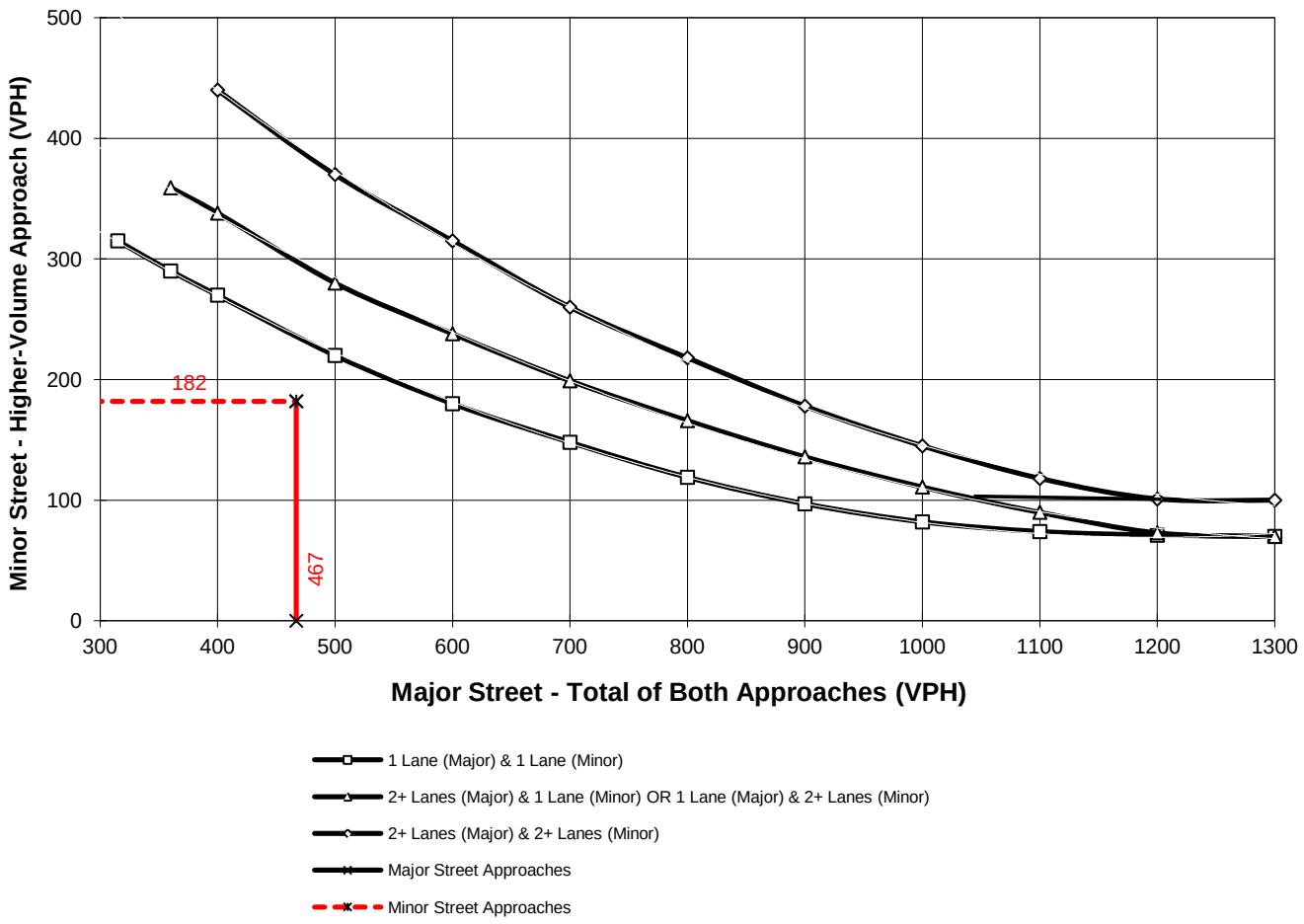
Major Street Name = **Menifee Road**

Total of Both Approaches (VPH) = **467**
Number of Approach Lanes Major Street = **2**

Minor Street Name = **Holland Road**

High Volume Approach (VPH) = **182**
Number of Approach Lanes Minor Street = **2**

**SIGNAL WARRANT NOT SATISFIED**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

**(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 64 km/h OR ABOVE 40 mph ON MAJOR STREET)**

Traffic Conditions = **Existing (2012) Conditions - PM Peak Hour**

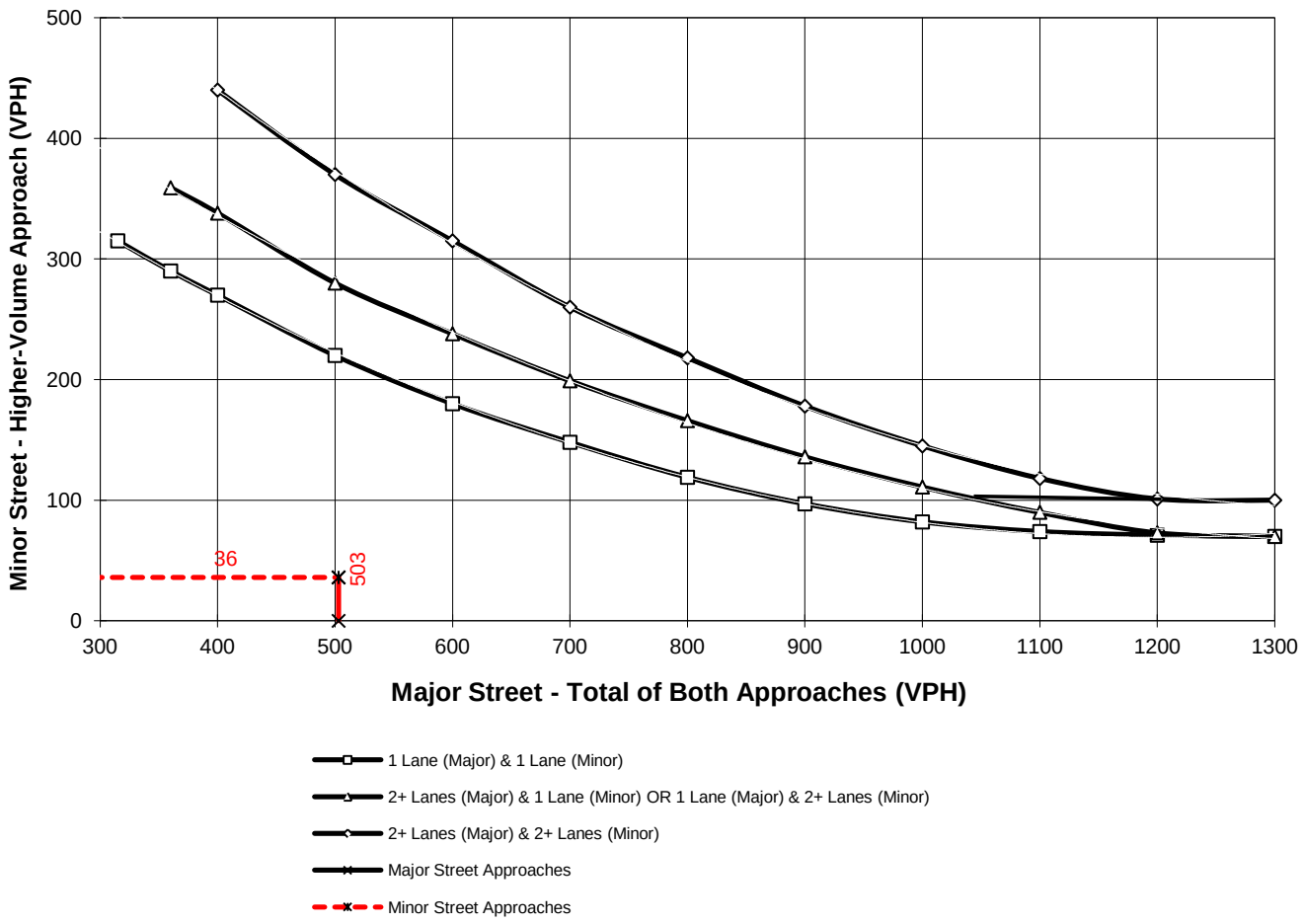
Major Street Name = **Menifee Road**

Total of Both Approaches (VPH) = **503**
Number of Approach Lanes Major Street = **1**

Minor Street Name = **Garbani Road**

High Volume Approach (VPH) = **36**
Number of Approach Lanes Minor Street = **1**

**SIGNAL WARRANT NOT SATISFIED**




*Note: 100 vph applies as the lower threshold for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold for a minor-street approach

# APPENDIX 4.5

Existing (2012) Vehicle Classification Counts

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Newport Road
W/ Haun Road
24 Hour Directional Classification Count
Eastbound

MEN003
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 0 | 74 | 27 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 |
| 01:00 | 0 | 53 | 19 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 73 |
| 02:00 | 0 | 50 | 11 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 65 |
| 03:00 | 0 | 75 | 21 | 1 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 106 |
| 04:00 | 2 | 170 | 68 | 0 | 24 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 270 |
| 05:00 | 4 | 334 | 145 | 2 | 53 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 546 |
| 06:00 | 4 | 479 | 188 | 4 | 61 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 742 |
| 07:00 | 4 | 663 | 223 | **7** | 65 | 2 | 0 | **8** | **6** | 0 | 0 | 0 | 0 | 978 |
| 08:00 | 3 | 669 | 224 | 5 | 68 | **5** | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 985 |
| 09:00 | **5** | 699 | 230 | 4 | 62 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 1010 |
| 10:00 | 3 | 741 | 247 | 2 | **92** | 2 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 1096 |
| 11:00 | 3 | **752** | **265** | 6 | 77 | 3 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | **1112** |
| 12 PM | 5 | **791** | **285** | 4 | 75 | 1 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | **1170** |
| 13:00 | **9** | 744 | 267 | **5** | 64 | **5** | 0 | **7** | **4** | 0 | 0 | 0 | 0 | 1105 |
| 14:00 | 3 | 718 | 266 | 3 | **82** | 2 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 1082 |
| 15:00 | 7 | 696 | 259 | 1 | 82 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 1053 |
| 16:00 | 6 | 695 | 282 | 0 | 78 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1064 |
| 17:00 | 8 | 704 | 246 | 3 | 78 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1042 |
| 18:00 | 2 | 694 | 246 | 1 | 66 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1013 |
| 19:00 | 5 | 610 | 198 | 2 | 49 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 868 |
| 20:00 | 5 | 556 | 168 | 0 | 44 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 776 |
| 21:00 | 3 | 331 | 116 | 1 | 23 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 476 |
| 22:00 | 1 | 237 | 70 | 1 | 15 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 325 |
| 23:00 | 0 | 168 | 44 | 1 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 223 |
| Total | 82 | 11703 | 4115 | 53 | 1179 | 28 | 0 | 82 | 42 | 0 | 0 | 0 | 0 | 17284 |
| Percent | 0.5% | 67.7% | 23.8% | 0.3% | 6.8% | 0.2% | 0.0% | 0.5% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 09:00 | 11:00 | 11:00 | 07:00 | 10:00 | 08:00 | | 07:00 | 07:00 | | | | | 11:00 |
| Vol. | 5 | 752 | 265 | 7 | 92 | 5 | | 8 | 6 | | | | | 1112 |
| PM Peak | 13:00 | 12:00 | 12:00 | 13:00 | 14:00 | 13:00 | | 13:00 | 13:00 | | | | | 12:00 |
| Vol. | 9 | 791 | 285 | 5 | 82 | 5 | | 7 | 4 | | | | | 1170 |
| Grand Total | 82 | 11703 | 4115 | 53 | 1179 | 28 | 0 | 82 | 42 | 0 | 0 | 0 | 0 | 17284 |
| Percent | 0.5% | 67.7% | 23.8% | 0.3% | 6.8% | 0.2% | 0.0% | 0.5% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Newport Road
W/ Haun Road
24 Hour Directional Classification Count
Westbound

MEN003
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 1 | 123 | 28 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 156 |
| 01:00 | 0 | 66 | 15 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 83 |
| 02:00 | 0 | 57 | 13 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 75 |
| 03:00 | 0 | 61 | 16 | 1 | 1 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 84 |
| 04:00 | 3 | 110 | 50 | 1 | 12 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 182 |
| 05:00 | 2 | 190 | 75 | 0 | 28 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 299 |
| 06:00 | 2 | 305 | 137 | 2 | 53 | **2** | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 511 |
| 07:00 | **4** | 397 | 129 | 2 | **54** | 2 | 0 | **13** | 6 | 0 | 0 | 0 | 0 | 607 |
| 08:00 | 0 | 559 | 168 | 3 | 52 | 1 | 0 | 8 | **7** | 0 | 0 | 0 | 0 | 798 |
| 09:00 | 3 | 608 | 207 | **6** | 44 | 1 | 0 | 9 | 4 | 0 | 0 | 0 | 0 | 882 |
| 10:00 | 3 | 752 | **247** | 2 | 44 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1054 |
| 11:00 | 2 | **783** | 228 | 5 | 45 | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | **1074** |
| 12 PM | 3 | 823 | 263 | 0 | 57 | **1** | 0 | **9** | **4** | 0 | 0 | 0 | 0 | 1160 |
| 13:00 | 2 | 849 | 283 | **5** | 58 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 1204 |
| 14:00 | 4 | 892 | 293 | 4 | 60 | 1 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 1263 |
| 15:00 | 4 | 971 | 322 | 1 | 58 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1363 |
| 16:00 | 6 | 982 | 321 | 4 | 66 | 1 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 1388 |
| 17:00 | 6 | **1150** | **343** | 2 | **75** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1576** |
| 18:00 | **11** | 1059 | 279 | 1 | 45 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 1402 |
| 19:00 | 4 | 791 | 222 | 2 | 39 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 1063 |
| 20:00 | 2 | 704 | 191 | 0 | 38 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 941 |
| 21:00 | 4 | 599 | 126 | 1 | 25 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 757 |
| 22:00 | 5 | 306 | 75 | 0 | 13 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 401 |
| 23:00 | 2 | 237 | 54 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 296 |
| Total | 73 | 13374 | 4085 | 43 | 874 | 12 | 0 | 101 | 57 | 0 | 0 | 0 | 0 | 18619 |
| Percent | 0.4% | 71.8% | 21.9% | 0.2% | 4.7% | 0.1% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 07:00 | 11:00 | 10:00 | 09:00 | 07:00 | 06:00 | | 07:00 | 08:00 | | | | | 11:00 |
| Vol. | 4 | 783 | 247 | 6 | 54 | 2 | | 13 | 7 | | | | | 1074 |
| PM Peak | 18:00 | 17:00 | 17:00 | 13:00 | 17:00 | 12:00 | | 12:00 | 12:00 | | | | | 17:00 |
| Vol. | 11 | 1150 | 343 | 5 | 75 | 1 | | 9 | 4 | | | | | 1576 |
| Grand Total | 73 | 13374 | 4085 | 43 | 874 | 12 | 0 | 101 | 57 | 0 | 0 | 0 | 0 | 18619 |
| Percent | 0.4% | 71.8% | 21.9% | 0.2% | 4.7% | 0.1% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | |

Counts Unlimited, Inc
PO Box 1178
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City of Menifee
Newport Road
W/ Haun Road
24 Hour Directional Classification Count
Eastbound, Westbound

MEN003
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 1 | 197 | 55 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 260 |
| 01:00 | 0 | 119 | 34 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 156 |
| 02:00 | 0 | 107 | 24 | 1 | 3 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 140 |
| 03:00 | 0 | 136 | 37 | 2 | 9 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 190 |
| 04:00 | 5 | 280 | 118 | 1 | 36 | 1 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 452 |
| 05:00 | 6 | 524 | 220 | 2 | 81 | 0 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 845 |
| 06:00 | 6 | 784 | 325 | 6 | 114 | 4 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 1253 |
| 07:00 | **8** | 1060 | 352 | 9 | 119 | 4 | 0 | **21** | 12 | 0 | 0 | 0 | 0 | 1585 |
| 08:00 | 3 | 1228 | 392 | 8 | 120 | **6** | 0 | 13 | **13** | 0 | 0 | 0 | 0 | 1783 |
| 09:00 | 8 | 1307 | 437 | 10 | 106 | 5 | 0 | 14 | 5 | 0 | 0 | 0 | 0 | 1892 |
| 10:00 | 6 | 1493 | **494** | 4 | **136** | 2 | 0 | 8 | 7 | 0 | 0 | 0 | 0 | 2150 |
| 11:00 | 5 | **1535** | 493 | **11** | 122 | 3 | 0 | 10 | 7 | 0 | 0 | 0 | 0 | **2186** |
| 12 PM | 8 | 1614 | 548 | 4 | 132 | 2 | 0 | **15** | **7** | 0 | 0 | 0 | 0 | 2330 |
| 13:00 | 11 | 1593 | 550 | **10** | 122 | **5** | 0 | 12 | 6 | 0 | 0 | 0 | 0 | 2309 |
| 14:00 | 7 | 1610 | 559 | 7 | 142 | 3 | 0 | 13 | 4 | 0 | 0 | 0 | 0 | 2345 |
| 15:00 | 11 | 1667 | 581 | 2 | 140 | 0 | 0 | 13 | 2 | 0 | 0 | 0 | 0 | 2416 |
| 16:00 | 12 | 1677 | **603** | 4 | 144 | 1 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 2452 |
| 17:00 | **14** | **1854** | 589 | 5 | **153** | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | **2618** |
| 18:00 | 13 | 1753 | 525 | 2 | 111 | 2 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 2415 |
| 19:00 | 9 | 1401 | 420 | 4 | 88 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 1931 |
| 20:00 | 7 | 1260 | 359 | 0 | 82 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 1717 |
| 21:00 | 7 | 930 | 242 | 2 | 48 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1233 |
| 22:00 | 6 | 543 | 145 | 1 | 28 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 726 |
| 23:00 | 2 | 405 | 98 | 1 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 519 |
| Total | 155 | 25077 | 8200 | 96 | 2053 | 40 | 0 | 183 | 99 | 0 | 0 | 0 | 0 | 35903 |
| Percent | 0.4% | 69.8% | 22.8% | 0.3% | 5.7% | 0.1% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 07:00 | 11:00 | 10:00 | 11:00 | 10:00 | 08:00 | | 07:00 | 08:00 | | | | | 11:00 |
| Vol. | 8 | 1535 | 494 | 11 | 136 | 6 | | 21 | 13 | | | | | 2186 |
| PM Peak | 17:00 | 17:00 | 16:00 | 13:00 | 17:00 | 13:00 | | 12:00 | 12:00 | | | | | 17:00 |
| Vol. | 14 | 1854 | 603 | 10 | 153 | 5 | | 15 | 7 | | | | | 2618 |
| Grand Total | 155 | 25077 | 8200 | 96 | 2053 | 40 | 0 | 183 | 99 | 0 | 0 | 0 | 0 | 35903 |
| Percent | 0.4% | 69.8% | 22.8% | 0.3% | 5.7% | 0.1% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | |

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City of Menifee
McCall Boulevard
W/ Bradley Road
24 Hour Directional Classification Count
Eastbound

MEN001
Site Code: 051-12230
Date Start: 01-Aug-12
Date End: 01-Aug-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/01/12 | 1 | 28 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| 01:00 | 0 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 02:00 | 0 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 03:00 | 1 | 14 | 9 | 0 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 31 |
| 04:00 | 0 | 50 | 22 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| 05:00 | 4 | 114 | 27 | 1 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| 06:00 | 1 | 171 | 56 | 2 | 21 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 253 |
| 07:00 | 0 | 247 | 71 | 3 | 23 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 350 |
| 08:00 | 2 | 303 | 93 | 5 | 23 | 0 | **1** | 4 | 1 | 0 | 0 | 0 | 0 | 432 |
| 09:00 | 3 | 381 | 108 | **6** | 21 | **3** | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 529 |
| 10:00 | **5** | **462** | **149** | 3 | 20 | 0 | 1 | **6** | **4** | 0 | 0 | 0 | 0 | **650** |
| 11:00 | 2 | 442 | 139 | 2 | **27** | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 615 |
| 12 PM | 3 | **451** | 144 | 2 | **30** | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | **635** |
| 13:00 | 1 | 439 | 111 | 2 | 28 | **2** | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 588 |
| 14:00 | 3 | 432 | 112 | **4** | 24 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 581 |
| 15:00 | **5** | 403 | 127 | 3 | 27 | 1 | 0 | 5 | **2** | 0 | 0 | 0 | 0 | 573 |
| 16:00 | 3 | 417 | **145** | 4 | 24 | 0 | 0 | **6** | 0 | 0 | 0 | 0 | 0 | 599 |
| 17:00 | 3 | 411 | 113 | 3 | 23 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 554 |
| 18:00 | 2 | 341 | 86 | 3 | 25 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 458 |
| 19:00 | 0 | 239 | 59 | 3 | 13 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 316 |
| 20:00 | 2 | 230 | 66 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 307 |
| 21:00 | 2 | 144 | 42 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 194 |
| 22:00 | 1 | 75 | 27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 |
| 23:00 | 0 | 47 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| Total | 44 | 5868 | 1730 | 48 | 368 | 12 | 2 | 48 | 15 | 0 | 0 | 0 | 0 | 8135 |
| Percent | 0.5% | 72.1% | 21.3% | 0.6% | 4.5% | 0.1% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 10:00 | 10:00 | 10:00 | 09:00 | 11:00 | 09:00 | 08:00 | 10:00 | 10:00 | | | | | 10:00 |
| Vol. | 5 | 462 | 149 | 6 | 27 | 3 | 1 | 6 | 4 | | | | | 650 |
| PM Peak | 15:00 | 12:00 | 16:00 | 14:00 | 12:00 | 13:00 | | 16:00 | 15:00 | | | | | 12:00 |
| Vol. | 5 | 451 | 145 | 4 | 30 | 2 | | 6 | 2 | | | | | 635 |
| Grand Total | 44 | 5868 | 1730 | 48 | 368 | 12 | 2 | 48 | 15 | 0 | 0 | 0 | 0 | 8135 |
| Percent | 0.5% | 72.1% | 21.3% | 0.6% | 4.5% | 0.1% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |

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City of Menifee
McCall Boulevard
W/ Bradley Road
24 Hour Directional Classification Count
Westbound

MEN001
Site Code: 051-12230
Date Start: 01-Aug-12
Date End: 01-Aug-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/01/12 | 0 | 58 | 11 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 73 |
| 01:00 | 0 | 30 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| 02:00 | 0 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 03:00 | 0 | 10 | 6 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 23 |
| 04:00 | 2 | 28 | 12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| 05:00 | 4 | 77 | 13 | 1 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 105 |
| 06:00 | 3 | 122 | 59 | 0 | 25 | 0 | 0 | **5** | 0 | 0 | 0 | 0 | 0 | 214 |
| 07:00 | 3 | 196 | 66 | **2** | 14 | **4** | **1** | 5 | **4** | 0 | 0 | 0 | **1** | 296 |
| 08:00 | 0 | 268 | 102 | 2 | **30** | 2 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 411 |
| 09:00 | 6 | 385 | 118 | 1 | 24 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 539 |
| 10:00 | **8** | 427 | 131 | 2 | 27 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 600 |
| 11:00 | 7 | **452** | **150** | 2 | 29 | 3 | 0 | 3 | 3 | 0 | **1** | 0 | 0 | **650** |
| 12 PM | 2 | 445 | 151 | 1 | **39** | **1** | 0 | 6 | **1** | 0 | 0 | 0 | 0 | 646 |
| 13:00 | 5 | 446 | 135 | 0 | 27 | 0 | **1** | **8** | 0 | 0 | **1** | 0 | 0 | 623 |
| 14:00 | 7 | 405 | **162** | 1 | 35 | 0 | 0 | 4 | 0 | **1** | 0 | 0 | 0 | 615 |
| 15:00 | 5 | 457 | 151 | **2** | 34 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | **1** | 656 |
| 16:00 | **10** | 530 | 131 | 0 | 36 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 708 |
| 17:00 | 2 | **546** | 132 | 0 | 33 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **716** |
| 18:00 | 5 | 405 | 106 | 2 | 23 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 544 |
| 19:00 | 4 | 291 | 91 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404 |
| 20:00 | 1 | 281 | 86 | 0 | 12 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 383 |
| 21:00 | 1 | 224 | 42 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 277 |
| 22:00 | 1 | 118 | 21 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143 |
| 23:00 | 1 | 94 | 15 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 |
| Total | 77 | 6303 | 1907 | 16 | 442 | 15 | 2 | 56 | 15 | 3 | 2 | 0 | 2 | 8840 |
| Percent | 0.9% | 71.3% | 21.6% | 0.2% | 5.0% | 0.2% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 10:00 | 11:00 | 11:00 | 07:00 | 08:00 | 07:00 | 07:00 | 06:00 | 07:00 | | 11:00 | | 07:00 | 11:00 |
| Vol. | 8 | 452 | 150 | 2 | 30 | 4 | 1 | 5 | 4 | | 1 | | 1 | 650 |
| PM Peak | 16:00 | 17:00 | 14:00 | 15:00 | 12:00 | 12:00 | 13:00 | 13:00 | 12:00 | 14:00 | 13:00 | | 15:00 | 17:00 |
| Vol. | 10 | 546 | 162 | 2 | 39 | 1 | 1 | 8 | 1 | 1 | 1 | | 1 | 716 |
| Grand Total | 77 | 6303 | 1907 | 16 | 442 | 15 | 2 | 56 | 15 | 3 | 2 | 0 | 2 | 8840 |
| Percent | 0.9% | 71.3% | 21.6% | 0.2% | 5.0% | 0.2% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |

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City of Menifee
McCall Boulevard
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24 Hour Directional Classification Count
Eastbound, Westbound

MEN001
Site Code: 051-12230
Date Start: 01-Aug-12
Date End: 01-Aug-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/01/12 | 1 | 86 | 17 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 109 |
| 01:00 | 0 | 43 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 02:00 | 0 | 22 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 03:00 | 1 | 24 | 15 | 0 | 11 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 54 |
| 04:00 | 2 | 78 | 34 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 |
| 05:00 | 8 | 191 | 40 | 2 | 20 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 265 |
| 06:00 | 4 | 293 | 115 | 2 | 46 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 467 |
| 07:00 | 3 | 443 | 137 | 5 | 37 | **5** | **1** | **9** | 5 | 0 | 0 | 0 | **1** | 646 |
| 08:00 | 2 | 571 | 195 | **7** | 53 | 2 | 1 | 9 | 3 | 0 | 0 | 0 | 0 | 843 |
| 09:00 | 9 | 766 | 226 | 7 | 45 | 4 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 1068 |
| 10:00 | **13** | 889 | 280 | 5 | 47 | 0 | 1 | 9 | **6** | 0 | 0 | 0 | 0 | 1250 |
| 11:00 | 9 | **894** | **289** | 4 | **56** | 5 | 0 | 4 | 3 | 0 | **1** | 0 | 0 | **1265** |
| 12 PM | 5 | 896 | **295** | 3 | **69** | 1 | 0 | 10 | **2** | 0 | 0 | 0 | 0 | 1281 |
| 13:00 | 6 | 885 | 246 | 2 | 55 | **2** | **1** | **12** | 1 | 0 | **1** | 0 | 0 | 1211 |
| 14:00 | 10 | 837 | 274 | **5** | 59 | 1 | 0 | 9 | 0 | **1** | 0 | 0 | 0 | 1196 |
| 15:00 | 10 | 860 | 278 | 5 | 61 | 2 | 0 | 10 | 2 | 0 | 0 | 0 | **1** | 1229 |
| 16:00 | **13** | 947 | 276 | 4 | 60 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | **1307** |
| 17:00 | 5 | **957** | 245 | 3 | 56 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1270 |
| 18:00 | 7 | 746 | 192 | 5 | 48 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1002 |
| 19:00 | 4 | 530 | 150 | 3 | 31 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 720 |
| 20:00 | 3 | 511 | 152 | 1 | 20 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 690 |
| 21:00 | 3 | 368 | 84 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 471 |
| 22:00 | 2 | 193 | 48 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 247 |
| 23:00 | 1 | 141 | 25 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 172 |
| Total | 121 | 12171 | 3637 | 64 | 810 | 27 | 4 | 104 | 30 | 3 | 2 | 0 | 2 | 16975 |
| Percent | 0.7% | 71.7% | 21.4% | 0.4% | 4.8% | 0.2% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 10:00 | 11:00 | 11:00 | 08:00 | 11:00 | 07:00 | 07:00 | 07:00 | 10:00 | | 11:00 | | 07:00 | 11:00 |
| Vol. | 13 | 894 | 289 | 7 | 56 | 5 | 1 | 9 | 6 | | 1 | | 1 | 1265 |
| PM Peak | 16:00 | 17:00 | 12:00 | 14:00 | 12:00 | 13:00 | 13:00 | 13:00 | 12:00 | 14:00 | 13:00 | | 15:00 | 16:00 |
| Vol. | 13 | 957 | 295 | 5 | 69 | 2 | 1 | 12 | 2 | 1 | 1 | | 1 | 1307 |
| Grand Total | 121 | 12171 | 3637 | 64 | 810 | 27 | 4 | 104 | 30 | 3 | 2 | 0 | 2 | 16975 |
| Percent | 0.7% | 71.7% | 21.4% | 0.4% | 4.8% | 0.2% | 0.0% | 0.6% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | |

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City of Menifee
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N/ Newport Road
24 Hour Directional Classification Count
Northbound

MEN002
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 0 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 01:00 | 0 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 02:00 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 03:00 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 04:00 | 0 | 9 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 05:00 | 0 | 34 | 15 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| 06:00 | 0 | 61 | 17 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 82 |
| 07:00 | 1 | 119 | 35 | 0 | 2 | **2** | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 161 |
| 08:00 | 0 | 212 | 61 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 285 |
| 09:00 | 0 | 258 | 86 | 0 | 12 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 358 |
| 10:00 | **3** | **331** | **105** | 0 | 7 | 0 | 0 | **4** | 0 | 0 | 0 | 0 | 0 | **450** |
| 11:00 | 0 | 316 | 86 | 0 | **14** | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 419 |
| 12 PM | 0 | 332 | 86 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | 430 |
| 13:00 | 2 | 318 | 100 | **2** | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 442 |
| 14:00 | 0 | 342 | 97 | 2 | 13 | 0 | **1** | 1 | **1** | **1** | 0 | 0 | 1 | 459 |
| 15:00 | 0 | 369 | 117 | 0 | **20** | **2** | 0 | 2 | 0 | 0 | 0 | 0 | 0 | **510** |
| 16:00 | **4** | 356 | **124** | 0 | 19 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 506 |
| 17:00 | 2 | **371** | 95 | 1 | 12 | 0 | 0 | **4** | 0 | 0 | 0 | 0 | 0 | 485 |
| 18:00 | 4 | 367 | 84 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 467 |
| 19:00 | 3 | 268 | 70 | 0 | 16 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 358 |
| 20:00 | 2 | 241 | 62 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 312 |
| 21:00 | 1 | 136 | 31 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173 |
| 22:00 | 3 | 80 | 19 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 |
| 23:00 | 0 | 60 | 12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| Total | 25 | 4622 | 1318 | 5 | 193 | 6 | 1 | 25 | 1 | 1 | 0 | 0 | 3 | 6200 |
| Percent | 0.4% | 74.5% | 21.3% | 0.1% | 3.1% | 0.1% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| AM Peak | 10:00 | 10:00 | 10:00 | | 11:00 | 07:00 | | 10:00 | | | | | | 10:00 |
| Vol. | 3 | 331 | 105 | | 14 | 2 | | 4 | | | | | | 450 |
| PM Peak | 16:00 | 17:00 | 16:00 | 13:00 | 15:00 | 15:00 | 14:00 | 17:00 | 14:00 | 14:00 | | | 12:00 | 15:00 |
| Vol. | 4 | 371 | 124 | 2 | 20 | 2 | 1 | 4 | 1 | 1 | | | 1 | 510 |
| Grand Total | 25 | 4622 | 1318 | 5 | 193 | 6 | 1 | 25 | 1 | 1 | 0 | 0 | 3 | 6200 |
| Percent | 0.4% | 74.5% | 21.3% | 0.1% | 3.1% | 0.1% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

Counts Unlimited, Inc
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Menifee
Bradley Road
N/ Newport Road
24 Hour Directional Classification Count
Southbound

MEN002
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 0 | 26 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 01:00 | 0 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 02:00 | 0 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 03:00 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 04:00 | 0 | 40 | 15 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| 05:00 | 0 | 59 | 15 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| 06:00 | **4** | 95 | 38 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 146 |
| 07:00 | 2 | 172 | 65 | 0 | 10 | 0 | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 251 |
| 08:00 | 0 | 215 | 69 | **1** | **18** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 303 |
| 09:00 | 3 | **275** | **86** | 0 | 18 | **2** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **384** |
| 10:00 | 0 | 118 | 36 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 |
| 11:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PM | 0 | 184 | 50 | 0 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | **1** | 247 |
| 13:00 | 1 | **297** | **83** | **1** | **15** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | **398** |
| 14:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 40 | 16 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 62 |
| 18:00 | 1 | 286 | 68 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 365 |
| 19:00 | 0 | 105 | 32 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 139 |
| 20:00 | 2 | 216 | 61 | 0 | 4 | 0 | 0 | **2** | 0 | 0 | 0 | 0 | 0 | 285 |
| 21:00 | 0 | 113 | 48 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 |
| 22:00 | **3** | 59 | 16 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 |
| 23:00 | 0 | 39 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| Total | 16 | 2369 | 721 | 3 | 126 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 3247 |
| Percent | 0.5% | 73.0% | 22.2% | 0.1% | 3.9% | 0.1% | 0.0% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | |
| AM Peak | 06:00 | 09:00 | 09:00 | 08:00 | 08:00 | 09:00 | | 07:00 | | | | | | 09:00 |
| Vol. | 4 | 275 | 86 | 1 | 18 | 2 | | 2 | | | | | | 384 |
| PM Peak | 22:00 | 13:00 | 13:00 | 13:00 | 13:00 | | | 20:00 | | | | | 12:00 | 13:00 |
| Vol. | 3 | 297 | 83 | 1 | 15 | | | 2 | | | | | 1 | 398 |
| Grand Total | 16 | 2369 | 721 | 3 | 126 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 3247 |
| Percent | 0.5% | 73.0% | 22.2% | 0.1% | 3.9% | 0.1% | 0.0% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | |

Counts Unlimited, Inc
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City of Menifee
Bradley Road
N/ Newport Road
24 Hour Directional Classification Count
Northbound, Southbound

MEN002
Site Code: 051-12230
Date Start: 31-Jul-12
Date End: 31-Jul-12

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31/12 | 0 | 45 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 |
| 01:00 | 0 | 20 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 02:00 | 0 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 03:00 | 0 | 18 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 04:00 | 0 | 49 | 19 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| 05:00 | 0 | 93 | 30 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135 |
| 06:00 | **4** | 156 | 55 | 0 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 228 |
| 07:00 | 3 | 291 | 100 | 0 | 12 | 2 | 0 | **4** | 0 | 0 | 0 | 0 | 0 | 412 |
| 08:00 | 0 | 427 | 130 | **1** | 28 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 588 |
| 09:00 | 3 | **533** | **172** | 0 | **30** | **3** | 0 | 1 | 0 | 0 | 0 | 0 | 0 | **742** |
| 10:00 | 3 | 449 | 141 | 0 | 13 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 610 |
| 11:00 | 0 | 316 | 86 | 0 | 14 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 419 |
| 12 PM | 0 | 516 | 136 | 0 | 22 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | **2** | 677 |
| 13:00 | 3 | 615 | **183** | **3** | **34** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | **840** |
| 14:00 | 0 | 342 | 97 | 2 | 13 | 0 | **1** | 1 | **1** | **1** | 0 | 0 | 1 | 459 |
| 15:00 | 0 | 369 | 117 | 0 | 20 | **2** | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 510 |
| 16:00 | 4 | 356 | 124 | 0 | 19 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 506 |
| 17:00 | 2 | 411 | 111 | 1 | 17 | 0 | 0 | **4** | 0 | 0 | 0 | 0 | 1 | 547 |
| 18:00 | 5 | **653** | 152 | 0 | 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 832 |
| 19:00 | 3 | 373 | 102 | 0 | 17 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 497 |
| 20:00 | 4 | 457 | 123 | 0 | 11 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 597 |
| 21:00 | 1 | 249 | 79 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 339 |
| 22:00 | **6** | 139 | 35 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 |
| 23:00 | 0 | 99 | 25 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129 |
| Total | 41 | 6991 | 2039 | 8 | 319 | 9 | 1 | 30 | 1 | 1 | 0 | 0 | 7 | 9447 |
| Percent | 0.4% | 74.0% | 21.6% | 0.1% | 3.4% | 0.1% | 0.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | |
| AM Peak | 06:00 | 09:00 | 09:00 | 08:00 | 09:00 | 09:00 | | 07:00 | | | | | | 09:00 |
| Vol. | 4 | 533 | 172 | 1 | 30 | 3 | | 4 | | | | | | 742 |
| PM Peak | 22:00 | 18:00 | 13:00 | 13:00 | 13:00 | 15:00 | 14:00 | 17:00 | 14:00 | 14:00 | | | 12:00 | 13:00 |
| Vol. | 6 | 653 | 183 | 3 | 34 | 2 | 1 | 4 | 1 | 1 | | | 2 | 840 |
| Grand Total | 41 | 6991 | 2039 | 8 | 319 | 9 | 1 | 30 | 1 | 1 | 0 | 0 | 7 | 9447 |
| Percent | 0.4% | 74.0% | 21.6% | 0.1% | 3.4% | 0.1% | 0.0% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | |

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# APPENDIX 7.1

RCIP 2035 Refined Model Forecasts

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Goetz Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**239 0 155**
< v >
**70** ^ ^ **81**
**370** > < **481**
**0** v v **0**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**369 272**
v ^
**886** < IN = 1596 < **522**
**705** > OUT = 1594 > **436**
v ^

FUTURE MODEL YEAR:

**2035**

**0 0**
v ^
**1023** < IN = 1901 < **993**
**908** > OUT = 2043 > **1020**
v ^
**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**10,200**
N
**20,600** W **LEG** E **18,000**
S
**0**

REFINED FUTURE ADT'S BY LEG:

2035

**10,200**
N
**23,600** W **LEG** E **30,000**
S
**0**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**146 0 122**
< v >
**329** ^ ^ **161**
**546** > < **505**
**0** v v **0**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**390 351**
v ^
**1023** < IN = 1964 < **640**
**934** > OUT = 1964 > **590**
v ^

FUTURE MODEL YEAR:

2035

**0 0**
v ^
**1232** < IN = 2629 < **1323**
**1306** > OUT = 2526 > **1294**
v ^
**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

10,200
N
20,600 W + E 18,000
S
0

REFINED FUTURE ADT'S BY LEG:

2035

10,200
N
23,600 W + E 30,000
S
0

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A01 Goetz_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Goetz Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | | | | | PM | | | | |
|---|---|---|---|---|---|---|---|---|---|
| EXISTING COUNT YEAR: | | | | | EXISTING COUNT YEAR: | | | | |
| 2012 | | 394 | 151 | | 2012 | | 268 | 490 | |
| | | v | ^ | | | | v | ^ | |
| 720 < | IN = | 1396 | < | 562 | 651 < | IN = | 1809 | < | 666 |
| 440 > | OUT = | 1396 | > | 525 | 875 > | OUT = | 1809 | > | 668 |
| | | v | ^ | | | | v | ^ | |
| | | 0 | 0 | | | | 0 | 0 | |
| GROWTH CALCULATION DECISION RULE | | | | | | | | | |
| MIN = Minimum Count Growth Approach | | | | | MIN = Minimum Count Growth Approach | | | | |
| ADD = Additive (Growth Increment) Approach | | MIN | MIN | | ADD = Additive (Growth Increment) Approach | | MIN | MIN | |
| MUL = Multiplicative (Ratio) Approach | | v | ^ | | MUL = Multiplicative (Ratio) Approach | | v | ^ | |
| MUL < | | | < | ADD | MUL < | | | < | ADD |
| MUL > | | | > | ADD | MUL > | | | > | ADD |
| | | v | ^ | | | | v | ^ | |
| | | MUL | MUL | | | | MUL | MUL | |
| MINIMUM GROWTH %s 2012 TO 2035 | | | | | | | | | |
| | | 0% | 0% | | | | 0% | 0% | |
| | | v | ^ | | | | v | ^ | |
| 0% < | | | < | 0% | 0% < | | | < | 0% |
| 0% > | | | > | 0% | 0% > | | | > | 0% |
| | | v | ^ | | | | v | ^ | |
| | | 0% | 0% | | | | 0% | 0% | |
| REFINED GROWTH: 2012 TO 2035 | | | | | ADJUSTED GROWTH: 2012 TO 2035 | | | | |
| | | 0 | 0 | | | | 0 | 0 | |
| | | v | ^ | | | | v | ^ | |
| 110 < | | | < | 470 | 129 < | | | < | 680 |
| 130 > | | | > | 580 | 345 > | | | > | 700 |
| | | v | ^ | | | | v | ^ | |
| | | 0 | 0 | | | | 0 | 0 | |
| PRORATED GROWTH: 2012 TO 2035 | | | | | PRORATED GROWTH: 2012 TO 2035 | | | | |
| 23 YEARS | | 0 | 0 | | 23 YEARS | | 0 | 0 | |
| | | v | ^ | | | | v | ^ | |
| 110 < | | | < | 470 | 130 < | | | < | 680 |
| 130 > | | | > | 580 | 350 > | | | > | 700 |
| | | v | ^ | | | | v | ^ | |
| | | 0 | 0 | | | | 0 | 0 | |
| NEW PROJECTED VOLUMES: 2035 | | | | | NEW PROJECTED VOLUMES: 2035 | | | | |
| | | 390 | 150 | | | | 270 | 529 | |
| | | v | ^ | | | | v | ^ | |
| 830 < | IN = | 1990 | < | 1030 | 842 < | IN = | 2850 | < | 1350 |
| 570 > | OUT = | 2090 | > | 1110 | 1230 > | OUT = | 2850 | > | 1479 |
| | | v | ^ | * | | | v | ^ | * |
| | | 0 | 0 | | | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A01 Goetz_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Goetz Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 155 | 432 | 277 | 179% | 122 | 263 | 141 | 116% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 239 | 28 | -211 | -88% | 146 | 23 | -123 | -84% |
| | SB Total | 394 | 460 | 66 | 17% | 268 | 286 | 18 | 7% |
| EAST BOUND | Left | 70 | 6 | -64 | -91% | 329 | 92 | -237 | -72% |
| | Through | 370 | 678 | 308 | 83% | 546 | 1,216 | 670 | 123% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 440 | 684 | 244 | 55% | 875 | 1,308 | 433 | 49% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 481 | 802 | 321 | 67% | 505 | 819 | 314 | 62% |
| | Right | 81 | 144 | 63 | 78% | 161 | 437 | 276 | 171% |
| | WB Total | 562 | 946 | 384 | 68% | 666 | 1,256 | 590 | 89% |
| TOTAL ENTERING VOLUME | | 1,396 | 2,090 | 694 | 50% | 1,809 | 2,850 | 1041 | 58% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 460 | 286 | | | |
| North Leg | Outbound | 150 | 529 | | | |
| **North Leg** | **TOTAL** | **610** | **815** | **6%** | **8%** | **10,200** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| East Leg | Inbound | 946 | 1,256 | | | |
| East Leg | Outbound | 1,110 | 1,479 | | | |
| **East Leg** | **TOTAL** | **2,056** | **2,735** | **7%** | **9%** | **30,000** |
| West Leg | Inbound | 684 | 1,308 | | | |
| West Leg | Outbound | 830 | 842 | | | |
| **West Leg** | **TOTAL** | **1,514** | **2,150** | **6%** | **9%** | **23,600** |
| ***OVERALL TOTAL*** | | ***4,180*** | ***5,700*** | ***7%*** | ***9%*** | ***63,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A01 Goetz_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Goetz Rd (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**18 192 121**
< v >
**11** ^ ^ **118**
**19** > < **10**
**2** v v **178**
< ^ >
**1 130 120**

EXISTING MODEL YEAR:

**2012**

**317 886**
v ^
**24** < IN = 1295 < **182**
**59** > OUT = 1295 > **126**
v ^
**259 737**

FUTURE MODEL YEAR:

**2035**

**801 1413**
v ^
**1541** < IN = 5074 < **1389**
**1220** > OUT = 5073 > **1266**
v ^
**853 1664**

EXISTING (COUNTED) ADTs BY LEG:

2012

**7,900**
N
**700** W **LEG** E **8,200**
S
**8,300**

REFINED FUTURE ADT'S BY LEG:

2035

**22,900**
N
**37,600** W **LEG** E **40,700**
S
**29,300**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**13 208 159**
< v >
**4** ^ ^ **109**
**8** > < **20**
**2** v v **178**
< ^ >
**1 90 133**

EXISTING MODEL YEAR:

2012

**1094 473**
v ^
**64** < IN = 1664 < **147**
**33** > OUT = 1663 > **340**
v ^
**786 390**

FUTURE MODEL YEAR:

2035

**1508 1118**
v ^
**1570** < IN = 6258 < **1570**
**1936** > OUT = 6258 > **1707**
v ^
**1863 1244**

EXISTING (COUNTED) ADTs BY LEG:

2012

7,900
N
700 W + E 8,200
S
8,300

REFINED FUTURE ADT'S BY LEG:

2035

22,900
N
37,600 W + E 40,700
S
29,300

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A02 Goetz_ Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 331 | 259 | |
| | | v | ^ | |
| 29 < | IN = | 920 | < | 306 |
| 32 > | OUT = | 920 | > | 260 |
| | | v | ^ | |
| | | 372 | 251 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| MUL > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 480 | 151 | |
| | | v | ^ | |
| 1520 < | | | < | 1210 |
| 628 > | | | > | 1140 |
| | | v | ^ | |
| | | 590 | 319 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 480 | 150 | |
| | | v | ^ | |
| 1520 < | | | < | 1210 |
| 630 > | | | > | 1140 |
| | | v | ^ | |
| | | 590 | 320 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 810 | 410 | |
| | | v | ^ | |
| 1550 < | IN = | 3560 | < | 1520 |
| 660 > | OUT = | 4320 | > | 1400 |
| | | v | ^ | * |
| | | 960 | 570 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 380 | 203 | |
| | | v | ^ | |
| 34 < | IN = | 925 | < | 307 |
| 14 > | OUT = | 925 | > | 300 |
| | | v | ^ | |
| | | 388 | 224 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| MUL < | | | < | ADD |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 140 | 277 | |
| | | v | ^ | |
| 796 < | | | < | 1420 |
| 806 > | | | > | 1210 |
| | | v | ^ | |
| | | 532 | 486 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 140 | 280 | |
| | | v | ^ | |
| 800 < | | | < | 1420 |
| 810 > | | | > | 1210 |
| | | v | ^ | |
| | | 530 | 490 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 520 | 485 | |
| | | v | ^ | |
| 839 < | IN = | 3780 | < | 1730 |
| 820 > | OUT = | 3780 | > | 1526 |
| | | v | ^ | * |
| | | 930 | 710 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A02 Goetz_ Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 1 | 61 | 60 | 6000% | 1 | 17 | 16 | 1600% |
| | Through | 130 | 130 | 0 | 0% | 90 | 109 | 19 | 21% |
| | Right | 120 | 498 | 378 | 315% | 133 | 586 | 453 | 341% |
| | NB Total | 251 | 689 | 438 | 175% | 224 | 712 | 488 | 218% |
| SOUTH BOUND | Left | 121 | 239 | 118 | 98% | 159 | 279 | 120 | 75% |
| | Through | 192 | 224 | 32 | 17% | 208 | 153 | -55 | -26% |
| | Right | 18 | 521 | 503 | 2794% | 13 | 88 | 75 | 577% |
| | SB Total | 331 | 984 | 653 | 197% | 380 | 520 | 140 | 37% |
| EAST BOUND | Left | 11 | 92 | 81 | 736% | 4 | 91 | 87 | 2175% |
| | Through | 19 | 663 | 644 | 3389% | 8 | 662 | 654 | 8175% |
| | Right | 2 | 41 | 39 | 1950% | 2 | 69 | 67 | 3350% |
| | EB Total | 32 | 796 | 764 | 2388% | 14 | 822 | 808 | 5771% |
| WEST BOUND | Left | 178 | 695 | 517 | 290% | 178 | 707 | 529 | 297% |
| | Through | 10 | 968 | 958 | 9580% | 20 | 734 | 714 | 3570% |
| | Right | 118 | 188 | 70 | 59% | 109 | 285 | 176 | 161% |
| | WB Total | 306 | 1,851 | 1,545 | 505% | 307 | 1,726 | 1,419 | 462% |
| TOTAL ENTERING VOLUME | | 920 | 4,320 | 3400 | 370% | 925 | 3,780 | 2855 | 309% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 984 | 520 | | | |
| North Leg | Outbound | 410 | 485 | | | |
| **North Leg** | **TOTAL** | **1,394** | **1,005** | **6%** | **4%** | **22,900** |
| | | | | | | |
| South Leg | Inbound | 689 | 712 | | | |
| South Leg | Outbound | 960 | 929 | | | |
| **South Leg** | **TOTAL** | **1,649** | **1,641** | **6%** | **6%** | **29,300** |
| | | | | | | |
| East Leg | Inbound | 1,851 | 1,726 | | | |
| East Leg | Outbound | 1,400 | 1,527 | | | |
| **East Leg** | **TOTAL** | **3,251** | **3,253** | **8%** | **8%** | **40,700** |
| | | | | | | |
| West Leg | Inbound | 796 | 822 | | | |
| West Leg | Outbound | 1,550 | 839 | | | |
| **West Leg** | **TOTAL** | **2,346** | **1,661** | **6%** | **4%** | **37,600** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***8,640*** | ***7,560*** | ***7%*** | ***6%*** | ***130,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A02 Goetz_ Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Murrieta Rd (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **10** | **26** | **9** | | |
| | | < | v | > | | |
| **1** | ^ | | | | ^ | **22** |
| **222** | > | | | | < | **195** |
| **35** | v | | | | v | **97** |
| | | < | ^ | > | | |
| | | **91** | **126** | **119** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **50** | **412** | | |
| | | | v | ^ | | |
| **171** | < | IN = | | 787 | < | **168** |
| **130** | > | OUT = | | 787 | > | **144** |
| | | | v | ^ | | |
| | | | **60** | **439** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **139** | **513** | | |
| | | | v | ^ | | |
| **1356** | < | IN = | | 3413 | < | **1491** |
| **1282** | > | OUT = | | 3412 | > | **1402** |
| | | | v | ^ | | |
| | | | **141** | **501** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **2,400** | | | |
| | | | N | | | |
| **8,700** | W | | **LEG** | | E | **10,700** |
| | | | S | | | |
| | | | **7,300** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **5,400** | | | |
| | | | N | | | |
| **40,700** | W | | **LEG** | | E | **45,700** |
| | | | S | | | |
| | | | **9,300** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **1** | **78** | **14** | | |
| | | < | v | > | | |
| **2** | ^ | | | | ^ | **7** |
| **258** | > | | | | < | **254** |
| **75** | v | | | | v | **152** |
| | | < | ^ | > | | |
| | | **56** | **73** | **109** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **447** | **114** | | |
| | | | v | ^ | | |
| **148** | < | IN = | | 1065 | < | **170** |
| **323** | > | OUT = | | 1065 | > | **297** |
| | | | v | ^ | | |
| | | | **506** | **125** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **653** | **288** | | |
| | | | v | ^ | | |
| **1582** | < | IN = | | 4356 | < | **1742** |
| **1678** | > | OUT = | | 4356 | > | **1859** |
| | | | v | ^ | | |
| | | | **627** | **283** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 2,400 | | | |
| | | | N | | | |
| 8,700 | W | | + | | E | 10,700 |
| | | | S | | | |
| | | | 7,300 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 5,400 | | | |
| | | | N | | | |
| 40,700 | W | | + | | E | 45,700 |
| | | | S | | | |
| | | | 9,300 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A03 Murrieta_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 45 | 149 | |
| | | v | ^ | |
| 296 | < IN = | 953 | < | 314 |
| 258 | > OUT = | 953 | > | 350 |
| | | v | ^ | |
| | | 158 | 336 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 85 | 41 | |
| | | v | ^ | |
| 1190 | < | | < | 1320 |
| 1150 | > | | > | 1260 |
| | | v | ^ | |
| | | 80 | 44 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 90 | 40 | |
| | | v | ^ | |
| 1190 | < | | < | 1320 |
| 1150 | > | | > | 1260 |
| | | v | ^ | |
| | | 80 | 40 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 140 | 192 | |
| | | v | ^ | |
| 1503 | < IN = | 3560 | < | 1630 |
| 1410 | > OUT = | 3560 | > | 1624 |
| | | v | ^ | * |
| | | 242 | 380 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 93 | 82 | |
| | | v | ^ | |
| 311 | < IN = | 1079 | < | 413 |
| 335 | > OUT = | 1079 | > | 381 |
| | | v | ^ | |
| | | 305 | 238 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 47 | 128 | |
| | | v | ^ | |
| 1430 | < | | < | 1570 |
| 1360 | > | | > | 1560 |
| | | v | ^ | |
| | | 75 | 160 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 50 | 130 | |
| | | v | ^ | |
| 1430 | < | | < | 1570 |
| 1360 | > | | > | 1560 |
| | | v | ^ | |
| | | 80 | 160 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 140 | 210 | |
| | | v | ^ | |
| 1740 | < IN = | 4220 | < | 1980 |
| 1700 | > OUT = | 4280 | > | 1940 |
| | | v | ^ | * |
| | | 390 | 400 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A03 Murrieta_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 91 | 108 | 17 | 19% | 56 | 72 | 16 | 29% |
| | Through | 126 | 94 | -32 | -25% | 73 | 133 | 60 | 82% |
| | Right | 119 | 179 | 60 | 50% | 109 | 204 | 95 | 87% |
| | NB Total | 336 | 381 | 45 | 13% | 238 | 409 | 171 | 72% |
| SOUTH BOUND | Left | 9 | 57 | 48 | 533% | 14 | 72 | 58 | 414% |
| | Through | 26 | 32 | 6 | 23% | 78 | 67 | -11 | -14% |
| | Right | 10 | 50 | 40 | 400% | 1 | 4 | 3 | 300% |
| | SB Total | 45 | 139 | 94 | 209% | 93 | 143 | 50 | 54% |
| EAST BOUND | Left | 1 | 3 | 2 | 200% | 2 | 13 | 11 | 550% |
| | Through | 222 | 1,387 | 1,165 | 525% | 258 | 1,664 | 1,406 | 545% |
| | Right | 35 | 43 | 8 | 23% | 75 | 81 | 6 | 8% |
| | EB Total | 258 | 1,433 | 1,175 | 455% | 335 | 1,758 | 1,423 | 425% |
| WEST BOUND | Left | 97 | 167 | 70 | 72% | 152 | 242 | 90 | 59% |
| | Through | 195 | 1,345 | 1,150 | 590% | 254 | 1,664 | 1,410 | 555% |
| | Right | 22 | 95 | 73 | 332% | 7 | 65 | 58 | 829% |
| | WB Total | 314 | 1,607 | 1,293 | 412% | 413 | 1,971 | 1,558 | 377% |
| TOTAL ENTERING VOLUME | | 953 | 3,560 | 2607 | 274% | 1,079 | 4,281 | 3202 | 297% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 139 | 143 | | | |
| North Leg | Outbound | 192 | 211 | | | |
| **North Leg** | **TOTAL** | **331** | **354** | **6%** | **7%** | **5,400** |
| South Leg | Inbound | 381 | 409 | | | |
| South Leg | Outbound | 242 | 390 | | | |
| **South Leg** | **TOTAL** | **623** | **799** | **7%** | **9%** | **9,300** |
| East Leg | Inbound | 1,607 | 1,971 | | | |
| East Leg | Outbound | 1,623 | 1,940 | | | |
| **East Leg** | **TOTAL** | **3,230** | **3,911** | **7%** | **9%** | **45,700** |
| West Leg | Inbound | 1,433 | 1,758 | | | |
| West Leg | Outbound | 1,503 | 1,740 | | | |
| **West Leg** | **TOTAL** | **2,936** | **3,498** | **7%** | **9%** | **40,700** |
| ***OVERALL TOTAL*** | | ***7,120*** | ***8,562*** | ***7%*** | ***8%*** | ***101,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A03 Murrieta_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Murrieta Rd (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **61** | **172** | **68** | | |
| | | < | v | > | | |
| **74** | ^ | | | | ^ | **68** |
| **106** | > | | | | < | **53** |
| **3** | v | | | | v | **90** |
| | | < | ^ | > | | |
| | | **2** | **150** | **96** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **80** | **375** | | |
| | | | v | ^ | | |
| **88** | < | IN = | 1056 | < | **229** | |
| **198** | > | OUT = | 1056 | > | **392** | |
| | | | v | ^ | | |
| | | | **201** | **549** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **89** | **216** | | |
| | | | v | ^ | | |
| **230** | < | IN = | 1378 | < | **470** | |
| **258** | > | OUT = | 1379 | > | **604** | |
| | | | v | ^ | | |
| | | | **329** | **561** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | **8,600** | | | |
| | | N | | | |
| **3,200** | W | **LEG** | E | **7,900** | |
| | | S | | | |
| | | **7,900** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | **8,600** | | | |
| | | N | | | |
| **6,200** | W | **LEG** | E | **13,900** | |
| | | S | | | |
| | | **10,900** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **44** | **182** | **103** | | |
| | | < | v | > | | |
| **23** | ^ | | | | ^ | **106** |
| **63** | > | | | | < | **97** |
| **5** | v | | | | v | **115** |
| | | < | ^ | > | | |
| | | **1** | **181** | **98** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **469** | **133** | | |
| | | | v | ^ | | |
| **291** | < | IN = | 1385 | < | **462** | |
| **130** | > | OUT = | 1385 | > | **340** | |
| | | | v | ^ | | |
| | | | **621** | **324** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **317** | **148** | | |
| | | | v | ^ | | |
| **331** | < | IN = | 1839 | < | **757** | |
| **265** | > | OUT = | 1839 | > | **619** | |
| | | | v | ^ | | |
| | | | **741** | **500** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | 8,600 | | | |
| | | N | | | |
| 3,200 | W | + | E | 7,900 | |
| | | S | | | |
| | | 7,900 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | 8,600 | | | |
| | | N | | | |
| 6,200 | W | + | E | 13,900 | |
| | | S | | | |
| | | 10,900 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A04 Murrieta_ McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 301 | 292 | |
| | | v | ^ | |
| 116 < | IN = | 943 | < | 211 |
| 183 > | OUT = | 943 | > | 270 |
| | | v | ^ | |
| | | 265 | 248 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MIN | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 140 < | | | < | 219 |
| 57 > | | | > | 150 |
| | | v | ^ | |
| | | 130 | 2 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 140 < | | | < | 220 |
| 60 > | | | > | 150 |
| | | v | ^ | |
| | | 130 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 310 | 290 | |
| | | v | ^ | |
| 260 < | IN = | 1230 | < | 430 |
| 240 > | OUT = | 1370 | > | 420 |
| | | v | ^ | * |
| | | 400 | 250 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 329 | 310 | |
| | | v | ^ | |
| 142 < | IN = | 1018 | < | 318 |
| 91 > | OUT = | 1018 | > | 264 |
| | | v | ^ | |
| | | 302 | 280 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| MUL < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 20 | |
| | | v | ^ | |
| 18 < | | | < | 202 |
| 99 > | | | > | 216 |
| | | v | ^ | |
| | | 58 | 150 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 20 | |
| | | v | ^ | |
| 20 < | | | < | 200 |
| 100 > | | | > | 220 |
| | | v | ^ | |
| | | 60 | 150 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 330 | 365 | |
| | | v | ^ | |
| 177 < | IN = | 1470 | < | 520 |
| 190 > | OUT = | 1470 | > | 531 |
| | | v | ^ | * |
| | | 398 | 430 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A04 Murrieta_ McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 2 | 4 | 2 | 100% | 1 | 1 | 0 | 0% |
| | Through | 150 | 124 | -26 | -17% | 181 | 194 | 13 | 7% |
| | Right | 96 | 150 | 54 | 56% | 98 | 235 | 137 | 140% |
| | NB Total | 248 | 278 | 30 | 12% | 280 | 430 | 150 | 54% |
| SOUTH BOUND | Left | 68 | 79 | 11 | 16% | 103 | 139 | 36 | 35% |
| | Through | 172 | 181 | 9 | 5% | 182 | 161 | -21 | -12% |
| | Right | 61 | 86 | 25 | 41% | 44 | 29 | -15 | -34% |
| | SB Total | 301 | 346 | 45 | 15% | 329 | 329 | 0 | 0% |
| EAST BOUND | Left | 74 | 71 | -3 | -4% | 23 | 26 | 3 | 13% |
| | Through | 106 | 191 | 85 | 80% | 63 | 156 | 93 | 148% |
| | Right | 3 | 5 | 2 | 67% | 5 | 8 | 3 | 60% |
| | EB Total | 183 | 267 | 84 | 46% | 91 | 190 | 99 | 109% |
| WEST BOUND | Left | 90 | 215 | 125 | 139% | 115 | 229 | 114 | 99% |
| | Through | 53 | 170 | 117 | 221% | 97 | 146 | 49 | 51% |
| | Right | 68 | 95 | 27 | 40% | 106 | 145 | 39 | 37% |
| | WB Total | 211 | 480 | 269 | 127% | 318 | 520 | 202 | 64% |
| TOTAL ENTERING VOLUME | | 943 | 1,371 | 428 | 45% | 1,018 | 1,469 | 451 | 44% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 346 | 329 | | | |
| North Leg | Outbound | 290 | 365 | | | |
| **North Leg** | **TOTAL** | **636** | **694** | **7%** | **8%** | **8,600** |
| South Leg | Inbound | 278 | 430 | | | |
| South Leg | Outbound | 401 | 398 | | | |
| **South Leg** | **TOTAL** | **679** | **828** | **6%** | **8%** | **10,900** |
| East Leg | Inbound | 480 | 520 | | | |
| East Leg | Outbound | 420 | 530 | | | |
| **East Leg** | **TOTAL** | **900** | **1,050** | **6%** | **8%** | **13,900** |
| West Leg | Inbound | 267 | 190 | | | |
| West Leg | Outbound | 260 | 176 | | | |
| **West Leg** | **TOTAL** | **527** | **366** | **9%** | **6%** | **6,200** |
| ***OVERALL TOTAL*** | | ***2,742*** | ***2,938*** | ***7%*** | ***7%*** | ***39,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A04 Murrieta_ McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Murrieta Rd (NS) / Cherry Hills Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **46** | **213** | **22** | |
| | | < | v | > | | |
| | **10** ^ | | | | ^ | **18** |
| | **46** > | | | | < | **18** |
| | **38** v | | | | v | **33** |
| | | < | ^ | > | | |
| | | | **7** | **195** | **34** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **201** | **549** | |
| | | | | v | ^ | |
| | **4** | < | IN = | | 787 < | **29** |
| | **6** | > | OUT = | | 788 > | **23** |
| | | | | v | ^ | |
| | | | | **212** | **551** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **329** | **562** | |
| | | | | v | ^ | |
| | **102** | < | IN = | | 922 < | **36** |
| | **285** | > | OUT = | | 922 > | **27** |
| | | | | v | ^ | |
| | | | | **231** | **272** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **7,800** | | |
| | | | N | | |
| | **1,400** | W | **LEG** | E | **2,800** |
| | | | S | | |
| | | | **8,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **10,900** | | |
| | | | N | | |
| | **6,400** | W | **LEG** | E | **2,800** |
| | | | S | | |
| | | | **8,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **7** | **268** | **19** | |
| | | < | v | > | | |
| | **9** ^ | | | | ^ | **13** |
| | **33** > | | | | < | **40** |
| | **4** v | | | | v | **56** |
| | | < | ^ | > | | |
| | | | **8** | **258** | **49** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **621** | **324** | |
| | | | | v | ^ | |
| | **10** | < | IN = | | 1004 < | **36** |
| | **9** | > | OUT = | | 1003 > | **39** |
| | | | | v | ^ | |
| | | | | **630** | **338** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **741** | **501** | |
| | | | | v | ^ | |
| | **317** | < | IN = | | 1286 < | **41** |
| | **204** | > | OUT = | | 1287 > | **51** |
| | | | | v | ^ | |
| | | | | **418** | **300** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 7,800 | | |
| | | | N | | |
| | 1,400 | W | + | E | 2,800 |
| | | | S | | |
| | | | 8,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 10,900 | | |
| | | | N | | |
| | 6,400 | W | + | E | 2,800 |
| | | | S | | |
| | | | 8,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A05 Murrieta_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 281 | 223 | |
| | | v | ^ | |
| 71 | < IN = | 680 | < | 69 |
| 94 | > OUT = | 680 | > | 102 |
| | | v | ^ | |
| | | 284 | 236 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 130 | 7 | |
| | | v | ^ | |
| 100 | < | | < | 10 |
| 280 | > | | > | 0 |
| | | v | ^ | |
| | | 20 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 130 | 10 | |
| | | v | ^ | |
| 100 | < | | < | 10 |
| 280 | > | | > | 0 |
| | | v | ^ | |
| | | 20 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 410 | 316 | |
| | | v | ^ | |
| 234 | < IN = | 1100 | < | 80 |
| 370 | > OUT = | 1100 | > | 138 |
| | | v | ^ | * |
| | | 413 | 240 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 294 | 280 | |
| | | v | ^ | |
| 55 | < IN = | 764 | < | 109 |
| 46 | > OUT = | 764 | > | 101 |
| | | v | ^ | |
| | | 328 | 315 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 56 | 150 | |
| | | v | ^ | |
| 310 | < | | < | 10 |
| 200 | > | | > | 10 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 60 | 150 | |
| | | v | ^ | |
| 310 | < | | < | 10 |
| 200 | > | | > | 10 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 350 | 430 | |
| | | v | ^ | |
| 370 | < IN = | 1040 | < | 120 |
| 250 | > OUT = | 1240 | > | 110 |
| | | v | ^ | * |
| | | 330 | 320 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A05 Murrieta_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 7 | 16 | 9 | 129% | 8 | 100 | 92 | 1150% |
| | Through | 195 | 214 | 19 | 10% | 258 | 270 | 12 | 5% |
| | Right | 34 | 11 | -23 | -68% | 49 | 9 | -40 | -82% |
| | NB Total | 236 | 241 | 5 | 2% | 315 | 379 | 64 | 20% |
| SOUTH BOUND | Left | 22 | 12 | -10 | -45% | 19 | 5 | -14 | -74% |
| | Through | 213 | 220 | 7 | 3% | 268 | 277 | 9 | 3% |
| | Right | 46 | 178 | 132 | 287% | 7 | 139 | 132 | 1886% |
| | SB Total | 281 | 410 | 129 | 46% | 294 | 421 | 127 | 43% |
| EAST BOUND | Left | 10 | 83 | 73 | 730% | 9 | 156 | 147 | 1633% |
| | Through | 46 | 114 | 68 | 148% | 33 | 96 | 63 | 191% |
| | Right | 38 | 173 | 135 | 355% | 4 | 43 | 39 | 975% |
| | EB Total | 94 | 370 | 276 | 294% | 46 | 295 | 249 | 541% |
| WEST BOUND | Left | 33 | 20 | -13 | -39% | 56 | 10 | -46 | -82% |
| | Through | 18 | 40 | 22 | 122% | 40 | 131 | 91 | 228% |
| | Right | 18 | 20 | 2 | 11% | 13 | 4 | -9 | -69% |
| | WB Total | 69 | 80 | 11 | 16% | 109 | 145 | 36 | 33% |
| TOTAL ENTERING VOLUME | | 680 | 1,101 | 421 | 62% | 764 | 1,240 | 476 | 62% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 410 | 421 | | | |
| North Leg | Outbound | 317 | 430 | | | |
| **North Leg** | **TOTAL** | **727** | **851** | **7%** | **8%** | **10,900** |
| South Leg | Inbound | 241 | 379 | | | |
| South Leg | Outbound | 413 | 330 | | | |
| **South Leg** | **TOTAL** | **654** | **709** | **8%** | **8%** | **8,700** |
| East Leg | Inbound | 80 | 145 | | | |
| East Leg | Outbound | 137 | 110 | | | |
| **East Leg** | **TOTAL** | **217** | **255** | **8%** | **9%** | **2,800** |
| West Leg | Inbound | 370 | 295 | | | |
| West Leg | Outbound | 234 | 370 | | | |
| **West Leg** | **TOTAL** | **604** | **665** | **9%** | **10%** | **6,400** |
| ***OVERALL TOTAL*** | | ***2,202*** | ***2,480*** | **8%** | ***9%*** | ***28,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A05 Murrieta_Cherry Hills.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Murrieta Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**114 41 445**
< v >
**103** ^ ^ **195**
**674** > < **545**
**15** v v **46**
< ^ >
**19 38 26**

EXISTING MODEL YEAR:

**2012**

**407 578**
v ^
**676** < IN = 2183 < **722**
**724** > OUT = 2183 > **643**
v ^
**286 330**

FUTURE MODEL YEAR:

**2035**

**1038 1157**
v ^
**1003** < IN = 3697 < **1019**
**1104** > OUT = 3696 > **1000**
v ^
**536 536**

EXISTING (COUNTED) ADTs BY LEG:

2012

**14,300**
N
**23,900** W **LEG** E **29,000**
S
**3,900**

REFINED FUTURE ADT'S BY LEG:

2035

**30,300**
N
**31,900** W **LEG** E **37,000**
S
**9,900**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**134 58 330**
< v >
**162** ^ ^ **318**
**643** > < **759**
**20** v v **49**
< ^ >
**54 56 52**

EXISTING MODEL YEAR:

2012

**746 530**
v ^
**911** < IN = 2720 < **799**
**822** > OUT = 2721 > **875**
v ^
**405 353**

FUTURE MODEL YEAR:

2035

**1523 1322**
v ^
**1393** < IN = 4735 < **1242**
**1315** > OUT = 4735 > **1280**
v ^
**740 655**

EXISTING (COUNTED) ADTs BY LEG:

2012

14,300
N
23,900 W + E 29,000
S
3,900

REFINED FUTURE ADT'S BY LEG:

2035

30,300
N
31,900 W + E 37,000
S
9,900

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A06 Murrieta_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 600 | 336 | | |
| | | v | ^ | | |
| 678 | < IN | = | 2261 | < | 786 |
| 792 | > OUT | = | 2261 | > | 1145 |
| | | v | ^ | | |
| | | 102 | 83 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 630 | 334 | | |
| | | v | ^ | | |
| 330 | < | | | < | 300 |
| 380 | > | | | > | 360 |
| | | v | ^ | | |
| | | 88 | 57 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 630 | 330 | | |
| | | v | ^ | | |
| 330 | < | | | < | 300 |
| 380 | > | | | > | 360 |
| | | v | ^ | | |
| | | 90 | 60 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1230 | 720 | | |
| | | v | ^ | | |
| 1085 | < IN | = | 3630 | < | 1090 |
| 1170 | > OUT | = | 3630 | > | 1622 |
| | | v | ^ | * | |
| | | 204 | 140 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 522 | 536 | | |
| | | v | ^ | | |
| 947 | < IN | = | 2635 | < | 1126 |
| 825 | > OUT | = | 2635 | > | 1025 |
| | | v | ^ | | |
| | | 127 | 162 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 548 | 790 | | |
| | | v | ^ | | |
| 480 | < | | | < | 440 |
| 490 | > | | | > | 410 |
| | | v | ^ | | |
| | | 103 | 138 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 550 | 790 | | |
| | | v | ^ | | |
| 480 | < | | | < | 440 |
| 490 | > | | | > | 410 |
| | | v | ^ | | |
| | | 100 | 140 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1070 | 1330 | | |
| | | v | ^ | | |
| 1430 | < IN | = | 4260 | < | 1570 |
| 1320 | > OUT | = | 4430 | > | 1440 |
| | | v | ^ | * | |
| | | 230 | 300 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A06 Murrieta_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 19 | 32 | 13 | 68% | 54 | 96 | 42 | 78% |
| | Through | 38 | 84 | 46 | 121% | 56 | 160 | 104 | 186% |
| | Right | 26 | 24 | -2 | -8% | 52 | 56 | 4 | 8% |
| | NB Total | 83 | 140 | 57 | 69% | 162 | 312 | 150 | 93% |
| SOUTH BOUND | Left | 445 | 762 | 317 | 71% | 330 | 581 | 251 | 76% |
| | Through | 41 | 118 | 77 | 188% | 58 | 143 | 85 | 147% |
| | Right | 114 | 350 | 236 | 207% | 134 | 388 | 254 | 190% |
| | SB Total | 600 | 1,230 | 630 | 105% | 522 | 1,112 | 590 | 113% |
| EAST BOUND | Left | 103 | 303 | 200 | 194% | 162 | 534 | 372 | 230% |
| | Through | 674 | 835 | 161 | 24% | 643 | 803 | 160 | 25% |
| | Right | 15 | 31 | 16 | 107% | 20 | 35 | 15 | 75% |
| | EB Total | 792 | 1,169 | 377 | 48% | 825 | 1,372 | 547 | 66% |
| WEST BOUND | Left | 46 | 55 | 9 | 20% | 49 | 52 | 3 | 6% |
| | Through | 545 | 703 | 158 | 29% | 759 | 946 | 187 | 25% |
| | Right | 195 | 333 | 138 | 71% | 318 | 636 | 318 | 100% |
| | WB Total | 786 | 1,091 | 305 | 39% | 1,126 | 1,634 | 508 | 45% |
| TOTAL ENTERING VOLUME | | 2,261 | 3,630 | 1369 | 61% | 2,635 | 4,430 | 1795 | 68% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,230 | 1,112 | | | |
| North Leg | Outbound | 720 | 1,330 | | | |
| **North Leg** | **TOTAL** | **1,950** | **2,442** | **6%** | **8%** | **30,300** |
| | | | | | | |
| South Leg | Inbound | 140 | 312 | | | |
| South Leg | Outbound | 204 | 230 | | | |
| **South Leg** | **TOTAL** | **344** | **542** | **3%** | **5%** | **9,900** |
| | | | | | | |
| East Leg | Inbound | 1,091 | 1,634 | | | |
| East Leg | Outbound | 1,621 | 1,440 | | | |
| **East Leg** | **TOTAL** | **2,712** | **3,074** | **7%** | **8%** | **37,000** |
| | | | | | | |
| West Leg | Inbound | 1,169 | 1,372 | | | |
| West Leg | Outbound | 1,085 | 1,430 | | | |
| **West Leg** | **TOTAL** | **2,254** | **2,802** | **7%** | **9%** | **31,900** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,260*** | ***8,860*** | ***7%*** | ***8%*** | ***109,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A06 Murrieta_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Murrieta Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**153 0 86**

< v >

**84** ^ ^ **70**

**254** > < **275**

**0** v v **0**

< ^ >

**0 0 0**

EXISTING MODEL YEAR:

**2012**

**95 264**

v ^

**316** < IN = 802 < **331**

**376** > OUT = 802 > **222**

v ^

**0 0**

FUTURE MODEL YEAR:

**2035**

**473 617**

v ^

**1130** < IN = 2386 < **849**

**1064** > OUT = 2386 > **639**

v ^

**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**6,100**

N

**14,000** W **LEG** E **11,600**

S

**0**

REFINED FUTURE ADT'S BY LEG:

2035

**15,100**

N

**32,000** W **LEG** E **23,600**

S

**0**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**94 0 75**

< v >

**218** ^ ^ **65**

**417** > < **304**

**0** v v **0**

< ^ >

**0 0 0**

EXISTING MODEL YEAR:

2012

**257 196**

v ^

**395** < IN = 965 < **249**

**459** > OUT = 964 > **373**

v ^

**0 0**

FUTURE MODEL YEAR:

2035

**755 683**

v ^

**1414** < IN = 3086 < **908**

**1423** > OUT = 3085 > **988**

v ^

**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

6,100

N

14,000 W + E 11,600

S

0

REFINED FUTURE ADT'S BY LEG:

2035

15,100

N

32,000 W + E 23,600

S

0

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A07 Murrieta_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 239 | 154 | |
| | | v | ^ | |
| 428 | < IN = | 922 | < | 345 |
| 338 | > OUT = | 922 | > | 340 |
| | | v | ^ | |
| | | 0 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 380 | 206 | |
| | | v | ^ | |
| 810 | < | | < | 520 |
| 622 | > | | > | 420 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 380 | 210 | |
| | | v | ^ | |
| 810 | < | | < | 520 |
| 620 | > | | > | 420 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 620 | 374 | |
| | | v | ^ | |
| 1287 | < IN = | 2450 | < | 870 |
| 960 | > OUT = | 2450 | > | 789 |
| | | v | ^ | * |
| | | 0 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 169 | 283 | |
| | | v | ^ | |
| 398 | < IN = | 1173 | < | 369 |
| 635 | > OUT = | 1173 | > | 492 |
| | | v | ^ | |
| | | 0 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 331 | 490 | |
| | | v | ^ | |
| 1020 | < | | < | 660 |
| 960 | > | | > | 620 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 330 | 490 | |
| | | v | ^ | |
| 1020 | < | | < | 660 |
| 960 | > | | > | 620 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 500 | 770 | |
| | | v | ^ | |
| 1420 | < IN = | 3130 | < | 1030 |
| 1600 | > OUT = | 3300 | > | 1110 |
| | | v | ^ | * |
| | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A07 Murrieta_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 86 | 116 | 30 | 35% | 75 | 121 | 46 | 61% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 153 | 508 | 355 | 232% | 94 | 414 | 320 | 340% |
| | SB Total | 239 | 624 | 385 | 161% | 169 | 535 | 366 | 217% |
| EAST BOUND | Left | 84 | 274 | 190 | 226% | 218 | 668 | 450 | 206% |
| | Through | 254 | 672 | 418 | 165% | 417 | 989 | 572 | 137% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 338 | 946 | 608 | 180% | 635 | 1,657 | 1,022 | 161% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 275 | 779 | 504 | 183% | 304 | 1,006 | 702 | 231% |
| | Right | 70 | 100 | 30 | 43% | 65 | 102 | 37 | 57% |
| | WB Total | 345 | 879 | 534 | 155% | 369 | 1,108 | 739 | 200% |
| TOTAL ENTERING VOLUME | | 922 | 2,449 | 1527 | 166% | 1,173 | 3,300 | 2127 | 181% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 624 | 535 | | | |
| North Leg | Outbound | 374 | 770 | | | |
| **North Leg** | **TOTAL** | **998** | **1,305** | **7%** | **9%** | **15,100** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| East Leg | Inbound | 879 | 1,108 | | | |
| East Leg | Outbound | 788 | 1,110 | | | |
| **East Leg** | **TOTAL** | **1,667** | **2,218** | **7%** | **9%** | **23,600** |
| | | | | | | |
| West Leg | Inbound | 946 | 1,657 | | | |
| West Leg | Outbound | 1,287 | 1,420 | | | |
| **West Leg** | **TOTAL** | **2,233** | **3,077** | **7%** | **10%** | **32,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***4,898*** | ***6,600*** | ***7%*** | ***9%*** | ***70,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A07 Murrieta_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Bradley Rd (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **10** | **63** | **117** | | |
| | | < | v | > | | |
| **29** | ^ | | | | ^ | **52** |
| **470** | > | | | | < | **411** |
| **60** | v | | | | v | **451** |
| | | < | ^ | > | | |
| | | **37** | **34** | **295** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **36** | **42** | | |
| | | | v | ^ | | |
| **429** | < | IN = | 1531 | | < | **608** |
| **493** | > | OUT = | 1531 | | > | **795** |
| | | | v | ^ | | |
| | | | **265** | **394** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **100** | **64** | | |
| | | | v | ^ | | |
| **781** | < | IN = | 2444 | | < | **1044** |
| **845** | > | OUT = | 2444 | | > | **1240** |
| | | | v | ^ | | |
| | | | **359** | **455** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **4,400** | | | |
| | | | N | | | |
| **19,500** | W | | **LEG** | | E | **31,400** |
| | | | S | | | |
| | | | **15,600** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **5,400** | | | |
| | | | N | | | |
| **29,500** | W | | **LEG** | | E | **44,400** |
| | | | S | | | |
| | | | **18,600** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **19** | **41** | **104** | | |
| | | < | v | > | | |
| **43** | ^ | | | | ^ | **54** |
| **622** | > | | | | < | **630** |
| **58** | v | | | | v | **401** |
| | | < | ^ | > | | |
| | | **72** | **63** | **517** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **96** | **38** | | |
| | | | v | ^ | | |
| **605** | < | IN = | 2097 | | < | **978** |
| **641** | > | OUT = | 2097 | | > | **891** |
| | | | v | ^ | | |
| | | | **563** | **382** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **144** | **119** | | |
| | | | v | ^ | | |
| **1121** | < | IN = | 3465 | | < | **1627** |
| **1158** | > | OUT = | 3465 | | > | **1583** |
| | | | v | ^ | | |
| | | | **642** | **536** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 4,400 | | | |
| | | | N | | | |
| 19,500 | W | | + | | E | 31,400 |
| | | | S | | | |
| | | | 15,600 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 5,400 | | | |
| | | | N | | | |
| 29,500 | W | | + | | E | 44,400 |
| | | | S | | | |
| | | | 18,600 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A08 Bradley_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Bradley Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 190 | 115 | |
| | | v | ^ | |
| 458 < | IN = | 2029 | < | 914 |
| 559 > | OUT = | 2029 | > | 882 |
| | | v | ^ | |
| | | 574 | 366 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 60 | 20 | |
| | | v | ^ | |
| 350 < | | | < | 440 |
| 350 > | | | > | 450 |
| | | v | ^ | |
| | | 90 | 54 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 60 | 20 | |
| | | v | ^ | |
| 350 < | | | < | 440 |
| 350 > | | | > | 450 |
| | | v | ^ | |
| | | 90 | 50 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 250 | 140 | |
| | | v | ^ | |
| 810 < | IN = | 2930 | < | 1350 |
| 910 > | OUT = | 2940 | > | 1330 |
| | | v | ^ | * |
| | | 660 | 420 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 164 | 160 | |
| | | v | ^ | |
| 721 < | IN = | 2624 | < | 1085 |
| 723 > | OUT = | 2624 | > | 1243 |
| | | v | ^ | |
| | | 500 | 652 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 50 | 80 | |
| | | v | ^ | |
| 520 < | | | < | 650 |
| 520 > | | | > | 690 |
| | | v | ^ | |
| | | 70 | 150 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 50 | 80 | |
| | | v | ^ | |
| 520 < | | | < | 650 |
| 520 > | | | > | 690 |
| | | v | ^ | |
| | | 70 | 150 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 210 | 241 | |
| | | v | ^ | |
| 1243 < | IN = | 3990 | < | 1740 |
| 1240 > | OUT = | 3990 | > | 1935 |
| | | v | ^ | * |
| | | 571 | 800 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A08 Bradley_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Bradley Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 37 | 45 | 8 | 22% | 72 | 77 | 5 | 7% |
| | Through | 34 | 31 | -3 | -9% | 63 | 70 | 7 | 11% |
| | Right | 295 | 347 | 52 | 18% | 517 | 658 | 141 | 27% |
| | NB Total | 366 | 423 | 57 | 16% | 652 | 805 | 153 | 23% |
| SOUTH BOUND | Left | 117 | 174 | 57 | 49% | 104 | 154 | 50 | 48% |
| | Through | 63 | 62 | -1 | -2% | 41 | 33 | -8 | -20% |
| | Right | 10 | 15 | 5 | 50% | 19 | 24 | 5 | 26% |
| | SB Total | 190 | 251 | 61 | 32% | 164 | 211 | 47 | 29% |
| EAST BOUND | Left | 29 | 38 | 9 | 31% | 43 | 68 | 25 | 58% |
| | Through | 470 | 809 | 339 | 72% | 622 | 1,123 | 501 | 81% |
| | Right | 60 | 69 | 9 | 15% | 58 | 58 | 0 | 0% |
| | EB Total | 559 | 916 | 357 | 64% | 723 | 1,249 | 526 | 73% |
| WEST BOUND | Left | 451 | 529 | 78 | 17% | 401 | 480 | 79 | 20% |
| | Through | 411 | 750 | 339 | 82% | 630 | 1,143 | 513 | 81% |
| | Right | 52 | 71 | 19 | 37% | 54 | 102 | 48 | 89% |
| | WB Total | 914 | 1,350 | 436 | 48% | 1,085 | 1,725 | 640 | 59% |
| TOTAL ENTERING VOLUME | | 2,029 | 2,940 | 911 | 45% | 2,624 | 3,990 | 1366 | 52% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 251 | 211 | | | |
| North Leg | Outbound | 140 | 240 | | | |
| **North Leg** | **TOTAL** | **391** | **451** | **7%** | **8%** | **5,400** |
| South Leg | Inbound | 423 | 805 | | | |
| South Leg | Outbound | 660 | 571 | | | |
| **South Leg** | **TOTAL** | **1,083** | **1,376** | **6%** | **7%** | **18,600** |
| East Leg | Inbound | 1,350 | 1,725 | | | |
| East Leg | Outbound | 1,330 | 1,935 | | | |
| **East Leg** | **TOTAL** | **2,680** | **3,660** | **6%** | **8%** | **44,400** |
| West Leg | Inbound | 916 | 1,249 | | | |
| West Leg | Outbound | 810 | 1,244 | | | |
| **West Leg** | **TOTAL** | **1,726** | **2,493** | **6%** | **8%** | **29,500** |
| ***OVERALL TOTAL*** | | ***5,880*** | ***7,980*** | **6%** | ***8%*** | ***97,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A08 Bradley_McCall.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 24, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP RCIP | <=== | | |

LOCATION: **Bradley Rd (NS) / Cherry Hills Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **43** | **215** | **0** | |
| | | < | v | > | | |
| | **55** | ^ | | | ^ | **0** |
| | **0** | > | | | < | **0** |
| | **53** | v | | | v | **0** |
| | | < | ^ | > | | |
| | | | **82** | **233** | **0** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **265** | **394** | |
| | | | | v | ^ | |
| | **9** | < | IN = | 670 | < | **0** |
| | **8** | > | OUT = | 669 | > | **0** |
| | | | | v | ^ | |
| | | | | **266** | **397** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **359** | **455** | |
| | | | | v | ^ | |
| | **10** | < | IN = | 820 | < | **0** |
| | **14** | > | OUT = | 821 | > | **0** |
| | | | | v | ^ | |
| | | | | **356** | **447** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **10,400** | | |
| | | | N | | |
| | **4,600** | W | **LEG** | E | **0** |
| | | | S | | |
| | | | **11,100** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **18,600** | | |
| | | | N | | |
| | **4,600** | W | **LEG** | E | **0** |
| | | | S | | |
| | | | **14,100** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **69** | **272** | **0** | |
| | | < | v | > | | |
| | **77** | ^ | | | ^ | **0** |
| | **0** | > | | | < | **0** |
| | **72** | v | | | v | **0** |
| | | < | ^ | > | | |
| | | | **122** | **354** | **0** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **563** | **382** | |
| | | | | v | ^ | |
| | **10** | < | IN = | 961 | < | **0** |
| | **13** | > | OUT = | 962 | > | **0** |
| | | | | v | ^ | |
| | | | | **570** | **385** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **642** | **536** | |
| | | | | v | ^ | |
| | **15** | < | IN = | 1195 | < | **0** |
| | **19** | > | OUT = | 1195 | > | **0** |
| | | | | v | ^ | |
| | | | | **644** | **534** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 10,400 | | |
| | | | N | | |
| | 4,600 | W | + | E | 0 |
| | | | S | | |
| | | | 11,100 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 18,600 | | |
| | | | N | | |
| | 4,600 | W | + | E | 0 |
| | | | S | | |
| | | | 14,100 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A09 Bradley_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 258 | 288 | |
| | | v | ^ | |
| 125 < | IN = | 681 | < | 0 |
| 108 > | OUT = | 681 | > | 0 |
| | | v | ^ | |
| | | 268 | 315 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 92 | 42 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 90 | 35 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 90 | 40 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 90 | 40 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 350 | 334 | |
| | | v | ^ | |
| 132 < | IN = | 830 | < | 0 |
| 120 > | OUT = | 830 | > | 0 |
| | | v | ^ | * |
| | | 364 | 360 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 341 | 431 | |
| | | v | ^ | |
| 191 < | IN = | 966 | < | 0 |
| 149 > | OUT = | 966 | > | 0 |
| | | v | ^ | |
| | | 344 | 476 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 49 | 150 | |
| | | v | ^ | |
| 10 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 46 | 150 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 50 | 150 | |
| | | v | ^ | |
| 10 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 50 | 150 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 390 | 585 | |
| | | v | ^ | |
| 202 < | IN = | 1180 | < | 0 |
| 160 > | OUT = | 1180 | > | 0 |
| | | v | ^ | * |
| | | 393 | 630 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A09 Bradley_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 82 | 84 | 2 | 2% | 122 | 132 | 10 | 8% |
| | Through | 233 | 276 | 43 | 18% | 354 | 498 | 144 | 41% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 315 | 360 | 45 | 14% | 476 | 630 | 154 | 32% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 215 | 303 | 88 | 41% | 272 | 320 | 48 | 18% |
| | Right | 43 | 48 | 5 | 12% | 69 | 69 | 0 | 0% |
| | SB Total | 258 | 351 | 93 | 36% | 341 | 389 | 48 | 14% |
| EAST BOUND | Left | 55 | 58 | 3 | 5% | 77 | 87 | 10 | 13% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 62 | 9 | 17% | 72 | 73 | 1 | 1% |
| | EB Total | 108 | 120 | 12 | 11% | 149 | 160 | 11 | 7% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| TOTAL ENTERING VOLUME | | 681 | 831 | 150 | 22% | 966 | 1,179 | 213 | 22% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 351 | 389 | | | |
| North Leg | Outbound | 334 | 585 | | | |
| **North Leg** | **TOTAL** | **685** | **974** | **4%** | **5%** | **18,600** |
| South Leg | Inbound | 360 | 630 | | | |
| South Leg | Outbound | 365 | 393 | | | |
| **South Leg** | **TOTAL** | **725** | **1,023** | **5%** | **7%** | **14,100** |
| East Leg | Inbound | 0 | 0 | | | |
| East Leg | Outbound | 0 | 0 | | | |
| **East Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| West Leg | Inbound | 120 | 160 | | | |
| West Leg | Outbound | 132 | 201 | | | |
| **West Leg** | **TOTAL** | **252** | **361** | **5%** | **8%** | **4,600** |
| ***OVERALL TOTAL*** | | ***1,662*** | ***2,358*** | ***4%*** | ***6%*** | ***37,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A09 Bradley_Cherry Hills.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Bradley Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    93   205   201
                     <    v    >
          119 ^                   ^   128
          792 >                   <   555
          119 v                   v   225
                     <    ^    >
                    174   246   325
```

EXISTING MODEL YEAR:

```
2012                         175   260
                             v     ^
          701   <     IN   =  1869 <   762
          777   >     OUT  =  1869 >   765
                             v     ^
                             143   155
```

FUTURE MODEL YEAR:

```
2035                         209   222
                             v     ^
          905   <     IN   =  2331 <   949
         1055   >     OUT  =  2331 >  1105
                             v     ^
                              99   118
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                       13,200
                             N
       25,800   W          LEG   E   31,600
                             S
                           10,700
```

REFINED FUTURE ADT'S BY LEG:

```
2035                       13,200
                             N
       30,800   W          LEG   E   37,600
                             S
                           10,700
```

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    74   152   219
                     <    v    >
          108 ^                   ^   276
          671 >                   <   872
           78 v                   v   172
                     <    ^    >
                    110   151   129
```

EXISTING MODEL YEAR:

```
2012                         357   233
                             v     ^
          906   <     IN   =  2351 <   943
          905   >     OUT  =  2352 >   985
                             v     ^
                             228   146
```

FUTURE MODEL YEAR:

```
2035                         371   296
                             v     ^
         1273   <     IN   =  3007 <  1339
         1154   >     OUT  =  3008 >  1271
                             v     ^
                             168   143
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                       13,200
                             N
       25,800   W           +    E   31,600
                             S
                           10,700
```

REFINED FUTURE ADT'S BY LEG:

```
2035                       13,200
                             N
       30,800   W           +    E   37,600
                             S
                           10,700
```

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A10 Bradley_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Bradley Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 499 | 493 | |
| | | v | ^ | |
| 822 | < IN = | 3182 | < | 908 |
| 1030 | > OUT = | 3182 | > | 1318 |
| | | v | ^ | |
| | | 549 | 745 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MIN | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 30 | 0 | |
| | | v | ^ | |
| 200 | < | | < | 190 |
| 280 | > | | > | 340 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 30 | 0 | |
| | | v | ^ | |
| 200 | < | | < | 190 |
| 280 | > | | > | 340 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 530 | 490 | |
| | | v | ^ | |
| 1020 | < IN = | 3690 | < | 1100 |
| 1310 | > OUT = | 3720 | > | 1660 |
| | | v | ^ | * |
| | | 550 | 750 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 445 | 535 | |
| | | v | ^ | |
| 1056 | < IN = | 3012 | < | 1320 |
| 857 | > OUT = | 3012 | > | 1019 |
| | | v | ^ | |
| | | 402 | 390 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 10 | 60 | |
| | | v | ^ | |
| 370 | < | | < | 400 |
| 233 | > | | > | 290 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 60 | |
| | | v | ^ | |
| 370 | < | | < | 400 |
| 230 | > | | > | 290 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 460 | 600 | |
| | | v | ^ | |
| 1430 | < IN = | 3660 | < | 1720 |
| 1090 | > OUT = | 3740 | > | 1310 |
| | | v | ^ | * |
| | | 400 | 390 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A10 Bradley_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Bradley Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 174 | 183 | 9 | 5% | 110 | 117 | 7 | 6% |
| | Through | 246 | 218 | -28 | -11% | 151 | 139 | -12 | -8% |
| | Right | 325 | 355 | 30 | 9% | 129 | 142 | 13 | 10% |
| | NB Total | 745 | 756 | 11 | 1% | 390 | 398 | 8 | 2% |
| SOUTH BOUND | Left | 201 | 239 | 38 | 19% | 219 | 255 | 36 | 16% |
| | Through | 205 | 189 | -16 | -8% | 152 | 132 | -20 | -13% |
| | Right | 93 | 107 | 14 | 15% | 74 | 83 | 9 | 12% |
| | SB Total | 499 | 535 | 36 | 7% | 445 | 470 | 25 | 6% |
| EAST BOUND | Left | 119 | 130 | 11 | 9% | 108 | 123 | 15 | 14% |
| | Through | 792 | 1,067 | 275 | 35% | 671 | 913 | 242 | 36% |
| | Right | 119 | 124 | 5 | 4% | 78 | 79 | 1 | 1% |
| | EB Total | 1,030 | 1,321 | 291 | 28% | 857 | 1,115 | 258 | 30% |
| WEST BOUND | Left | 225 | 237 | 12 | 5% | 172 | 188 | 16 | 9% |
| | Through | 555 | 730 | 175 | 32% | 872 | 1,230 | 358 | 41% |
| | Right | 128 | 142 | 14 | 11% | 276 | 338 | 62 | 22% |
| | WB Total | 908 | 1,109 | 201 | 22% | 1,320 | 1,756 | 436 | 33% |
| TOTAL ENTERING VOLUME | | 3,182 | 3,721 | 539 | 17% | 3,012 | 3,739 | 727 | 24% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 535 | 470 | | | |
| North Leg | Outbound | 490 | 600 | | | |
| **North Leg** | **TOTAL** | **1,025** | **1,070** | **8%** | **8%** | **13,200** |
| South Leg | Inbound | 756 | 398 | | | |
| South Leg | Outbound | 550 | 399 | | | |
| **South Leg** | **TOTAL** | **1,306** | **797** | **12%** | **7%** | **10,700** |
| East Leg | Inbound | 1,109 | 1,756 | | | |
| East Leg | Outbound | 1,661 | 1,310 | | | |
| **East Leg** | **TOTAL** | **2,770** | **3,066** | **7%** | **8%** | **37,600** |
| West Leg | Inbound | 1,321 | 1,115 | | | |
| West Leg | Outbound | 1,020 | 1,430 | | | |
| **West Leg** | **TOTAL** | **2,341** | **2,545** | **8%** | **8%** | **30,800** |
| ***OVERALL TOTAL*** | | ***7,442*** | ***7,478*** | **8%** | ***8%*** | ***92,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A10 Bradley_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**141 1 43**
< v >
**0** ^ ^ **0**
**441** > < **440**
**318** v v **113**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**144 0**
v ^
**251** < IN = 694 < **324**
**226** > OUT = 693 > **264**
v ^
**178 0**

FUTURE MODEL YEAR:

**2035**

**423 0**
v ^
**1473** < IN = 3443 < **1561**
**1459** > OUT = 3443 > **1693**
v ^
**277 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**4,800**
N
**18,900** W **LEG** E **13,200**
S
**5,600**

REFINED FUTURE ADT'S BY LEG:

2035

**8,800**
N
**52,900** W **LEG** E **51,200**
S
**7,600**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**265 3 86**
< v >
**0** ^ ^ **0**
**395** > < **411**
**330** v v **82**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**394 0**
v ^
**326** < IN = 1043 < **242**
**407** > OUT = 1042 > **501**
v ^
**215 0**

FUTURE MODEL YEAR:

2035

**418 0**
v ^
**1773** < IN = 4106 < **1811**
**1877** > OUT = 4106 > **1928**
v ^
**405 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

4,800
N
18,900 W + E 13,200
S
5,600

REFINED FUTURE ADT'S BY LEG:

2035

8,800
N
52,900 W + E 51,200
S
7,600

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A11 I-215 SB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 185 | 0 | |
| | | v | ^ | |
| 581 | < IN | = | 1497 | < 553 |
| 759 | > OUT | = | 1497 | > 484 |
| | | v | ^ | |
| | | 432 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 280 | 0 | |
| | | v | ^ | |
| 1220 | < | | | < 1240 |
| 1230 | > | | | > 1430 |
| | | v | ^ | |
| | | 100 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 280 | 0 | |
| | | v | ^ | |
| 1220 | < | | | < 1240 |
| 1230 | > | | | > 1430 |
| | | v | ^ | |
| | | 100 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 470 | 0 | |
| | | v | ^ | |
| 1804 | < IN | = | 4250 | < 1790 |
| 1990 | > OUT | = | 4250 | > 1915 |
| | | v | ^ | * |
| | | 531 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 354 | 0 | |
| | | v | ^ | |
| 676 | < IN | = | 1572 | < 493 |
| 725 | > OUT | = | 1572 | > 481 |
| | | v | ^ | |
| | | 415 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > MUL |
| | | v | ^ | |
| | | ADD | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 26 | 0 | |
| | | v | ^ | |
| 1450 | < | | | < 1570 |
| 1470 | > | | | > 1369 |
| | | v | ^ | |
| | | 190 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 30 | 0 | |
| | | v | ^ | |
| 1450 | < | | | < 1570 |
| 1470 | > | | | > 1370 |
| | | v | ^ | |
| | | 190 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 380 | 0 | |
| | | v | ^ | |
| 2153 | < IN | = | 4640 | < 2060 |
| 2200 | > OUT | = | 4640 | > 1870 |
| | | v | ^ | * |
| | | 617 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A11 I-215 SB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 43 | 196 | 153 | 356% | 86 | 118 | 32 | 37% |
| | Through | 1 | 1 | 0 | 0% | 3 | 1 | -2 | -67% |
| | Right | 141 | 271 | 130 | 92% | 265 | 260 | -5 | -2% |
| | SB Total | 185 | 468 | 283 | 153% | 354 | 379 | 25 | 7% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 441 | 1,718 | 1,277 | 290% | 395 | 1,752 | 1,357 | 344% |
| | Right | 318 | 302 | -16 | -5% | 330 | 452 | 122 | 37% |
| | EB Total | 759 | 2,020 | 1,261 | 166% | 725 | 2,204 | 1,479 | 204% |
| WEST BOUND | Left | 113 | 228 | 115 | 102% | 82 | 164 | 82 | 100% |
| | Through | 440 | 1,533 | 1,093 | 248% | 411 | 1,893 | 1,482 | 361% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 553 | 1,761 | 1,208 | 218% | 493 | 2,057 | 1,564 | 317% |
| TOTAL ENTERING VOLUME | | 1,497 | 4,249 | 2752 | 184% | 1,572 | 4,640 | 3068 | 195% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 468 | 379 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **468** | **379** | **5%** | **4%** | **8,800** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 531 | 617 | | | |
| **South Leg** | **TOTAL** | **531** | **617** | **7%** | **8%** | **7,600** |
| East Leg | Inbound | 1,761 | 2,057 | | | |
| East Leg | Outbound | 1,914 | 1,870 | | | |
| **East Leg** | **TOTAL** | **3,675** | **3,927** | **7%** | **8%** | **51,200** |
| West Leg | Inbound | 2,020 | 2,204 | | | |
| West Leg | Outbound | 1,804 | 2,153 | | | |
| **West Leg** | **TOTAL** | **3,824** | **4,357** | **7%** | **8%** | **52,900** |
| ***OVERALL TOTAL*** | | ***8,498*** | ***9,280*** | ***7%*** | ***8%*** | ***120,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A11 I-215 SB Ramps_Ethanac.xls]Output (*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **184** **0** **120** | 2012 **373** **2** **295** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **648** > < **730** | **909** > < **712** |
| **234** v v **389** | **334** v v **285** |
| < ^ > | < ^ > |
| **0** **0** **0** | **0** **0** **0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **295** **0** | 2012 **358** **0** |
| v ^ | v ^ |
| **608** < IN = 1540 < **450** | **978** < IN = 1955 < **706** |
| **795** > OUT = 1541 > **692** | **891** > OUT = 1955 > **721** |
| v ^ | v ^ |
| **241** **0** | **256** **0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **362** **0** | 2035 **311** **0** |
| v ^ | v ^ |
| **1044** < IN = 2642 < **1040** | **1627** < IN = 3465 < **1571** |
| **1240** > OUT = 2641 > **1127** | **1583** > OUT = 3464 > **1246** |
| v ^ | v ^ |
| **470** **0** | **591** **0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **9,100** | 2012 9,100 |
| N | N |
| **31,400** W **LEG** E **29,700** | 31,400 W + E 29,700 |
| S | S |
| **8,400** | 8,400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **9,100** | 2035 9,100 |
| N | N |
| **44,400** W **LEG** E **43,700** | 44,400 W + E 43,700 |
| S | S |
| **8,400** | 8,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A12 I-215 SB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 304 | 0 | |
| | | v | ^ | |
| 914 < | IN = | 2305 | < | 1119 |
| 882 > | OUT = | 2305 | > | 768 |
| | | v | ^ | |
| | | 623 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 70 | 0 | |
| | | v | ^ | |
| 440 < | | | < | 590 |
| 450 > | | | > | 440 |
| | | v | ^ | |
| | | 230 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 70 | 0 | |
| | | v | ^ | |
| 440 < | | | < | 590 |
| 450 > | | | > | 440 |
| | | v | ^ | |
| | | 230 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 370 | 0 | |
| | | v | ^ | |
| 1350 < | IN = | 3410 | < | 1710 |
| 1330 > | OUT = | 3410 | > | 1210 |
| | | v | ^ | * |
| | | 850 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 670 | 0 | |
| | | v | ^ | |
| 1085 < | IN = | 2910 | < | 997 |
| 1243 > | OUT = | 2910 | > | 1204 |
| | | v | ^ | |
| | | 621 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 650 < | | | < | 870 |
| 690 > | | | > | 530 |
| | | v | ^ | |
| | | 340 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 650 < | | | < | 870 |
| 690 > | | | > | 530 |
| | | v | ^ | |
| | | 340 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 670 | 0 | |
| | | v | ^ | |
| 1756 < | IN = | 4470 | < | 1870 |
| 1930 > | OUT = | 4470 | > | 1746 |
| | | v | ^ | * |
| | | 969 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A12 I-215 SB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 120 | 164 | 44 | 37% | 295 | 293 | -2 | -1% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 184 | 206 | 22 | 12% | 373 | 375 | 2 | 1% |
| | SB Total | 304 | 370 | 66 | 22% | 670 | 670 | 0 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 648 | 1,046 | 398 | 61% | 909 | 1,452 | 543 | 60% |
| | Right | 234 | 287 | 53 | 23% | 334 | 478 | 144 | 43% |
| | EB Total | 882 | 1,333 | 451 | 51% | 1,243 | 1,930 | 687 | 55% |
| WEST BOUND | Left | 389 | 563 | 174 | 45% | 285 | 489 | 204 | 72% |
| | Through | 730 | 1,144 | 414 | 57% | 712 | 1,381 | 669 | 94% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,119 | 1,707 | 588 | 53% | 997 | 1,870 | 873 | 88% |
| TOTAL ENTERING VOLUME | | 2,305 | 3,410 | 1105 | 48% | 2,910 | 4,470 | 1560 | 54% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 370 | 670 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **370** | **670** | **4%** | **7%** | **9,100** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 850 | 969 | | | |
| **South Leg** | **TOTAL** | **850** | **969** | **10%** | **12%** | **8,400** |
| East Leg | Inbound | 1,707 | 1,870 | | | |
| East Leg | Outbound | 1,210 | 1,745 | | | |
| **East Leg** | **TOTAL** | **2,917** | **3,615** | **7%** | **8%** | **43,700** |
| West Leg | Inbound | 1,333 | 1,930 | | | |
| West Leg | Outbound | 1,350 | 1,756 | | | |
| **West Leg** | **TOTAL** | **2,683** | **3,686** | **6%** | **8%** | **44,400** |
| ***OVERALL TOTAL*** | | ***6,820*** | ***8,940*** | **6%** | ***8%*** | ***105,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A12 I-215 SB Ramps_McCall.xls]Output (3*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Haun Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    42    41    90
                     <     v     >
                95 ^                   ^   247
              1050 >                   <   784
               139 v                   v   334
                     <     ^     >
                    85    35   224
```

EXISTING MODEL YEAR:

```
2012                     0     0
                         v     ^
       813     <     IN   =  1772 <   849
       868     >     OUT  =  1772 >   910
                         v     ^
                        49    55
```

FUTURE MODEL YEAR:

```
2035                     0     0
                         v     ^
       981     <     IN   =  2289 <   989
      1180     >     OUT  =  2289 >  1226
                         v     ^
                        82   120
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                 10,000
                        N
    36,800     W     LEG     E    48,500
                        S
                     24,800
```

REFINED FUTURE ADT'S BY LEG:

```
2035                 10,000
                        N
    41,800     W     LEG     E    51,500
                        S
                     25,800
```

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                   103    90   245
                     <     v     >
                80 ^                   ^   156
               846 >                   <   1098
               289 v                   v   551
                     <     ^     >
                   312    63   530
```

EXISTING MODEL YEAR:

```
2012                     0     0
                         v     ^
      1040     <     IN   =  2238 <   1101
      1061     >     OUT  =  2238 >   1122
                         v     ^
                        76    76
```

FUTURE MODEL YEAR:

```
2035                     0     0
                         v     ^
      1413     <     IN   =  2824 <   1445
      1266     >     OUT  =  2824 >   1272
                         v     ^
                       139   113
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                 10,000
                        N
    36,800     W      +      E    48,500
                        S
                     24,800
```

REFINED FUTURE ADT'S BY LEG:

```
2035                 10,000
                        N
    41,800     W      +      E    51,500
                        S
                     25,800
```

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A13 Haun_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Haun Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 173 | 377 | |
| | | v | ^ | |
| 911 | < IN = | 3166 | < | 1365 |
| 1284 | > OUT = | 3166 | > | 1364 |
| | | v | ^ | |
| | | 514 | 344 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 170 | < | | < | 140 |
| 310 | > | | > | 320 |
| | | v | ^ | |
| | | 30 | 70 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 170 | < | | < | 140 |
| 310 | > | | > | 320 |
| | | v | ^ | |
| | | 30 | 70 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 170 | 380 | |
| | | v | ^ | |
| 1080 | < IN = | 3680 | < | 1510 |
| 1590 | > OUT = | 3680 | > | 1680 |
| | | v | ^ | * |
| | | 540 | 410 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 438 | 299 | |
| | | v | ^ | |
| 1513 | < IN = | 4363 | < | 1805 |
| 1215 | > OUT = | 4363 | > | 1621 |
| | | v | ^ | |
| | | 930 | 905 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 370 | < | | < | 340 |
| 210 | > | | > | 150 |
| | | v | ^ | |
| | | 60 | 40 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 370 | < | | < | 340 |
| 210 | > | | > | 150 |
| | | v | ^ | |
| | | 60 | 40 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 440 | 302 | |
| | | v | ^ | |
| 1891 | < IN = | 4970 | < | 2150 |
| 1430 | > OUT = | 4970 | > | 1781 |
| | | v | ^ | * |
| | | 996 | 950 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A13 Haun_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Haun Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 85 | 107 | 22 | 26% | 312 | 363 | 51 | 16% |
| | Through | 35 | 36 | 1 | 3% | 63 | 57 | -6 | -10% |
| | Right | 224 | 266 | 42 | 19% | 530 | 530 | 0 | 0% |
| | NB Total | 344 | 409 | 65 | 19% | 905 | 950 | 45 | 5% |
| SOUTH BOUND | Left | 90 | 89 | -1 | -1% | 245 | 239 | -6 | -2% |
| | Through | 41 | 37 | -4 | -10% | 90 | 84 | -6 | -7% |
| | Right | 42 | 44 | 2 | 5% | 103 | 117 | 14 | 14% |
| | SB Total | 173 | 170 | -3 | -2% | 438 | 440 | 2 | 0% |
| EAST BOUND | Left | 95 | 104 | 9 | 9% | 80 | 87 | 7 | 9% |
| | Through | 1,050 | 1,325 | 275 | 26% | 846 | 1,012 | 166 | 20% |
| | Right | 139 | 161 | 22 | 16% | 289 | 330 | 41 | 14% |
| | EB Total | 1,284 | 1,590 | 306 | 24% | 1,215 | 1,429 | 214 | 18% |
| WEST BOUND | Left | 334 | 342 | 8 | 2% | 551 | 582 | 31 | 6% |
| | Through | 784 | 929 | 145 | 18% | 1,098 | 1,412 | 314 | 29% |
| | Right | 247 | 240 | -7 | -3% | 156 | 157 | 1 | 1% |
| | WB Total | 1,365 | 1,511 | 146 | 11% | 1,805 | 2,151 | 346 | 19% |
| TOTAL ENTERING VOLUME | | 3,166 | 3,680 | 514 | 16% | 4,363 | 4,970 | 607 | 14% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 170 | 440 | | | |
| North Leg | Outbound | 380 | 301 | | | |
| **North Leg** | **TOTAL** | **550** | **741** | **6%** | **7%** | **10,000** |
| | | | | | | |
| South Leg | Inbound | 409 | 950 | | | |
| South Leg | Outbound | 540 | 996 | | | |
| **South Leg** | **TOTAL** | **949** | **1,946** | **4%** | **8%** | **25,800** |
| | | | | | | |
| East Leg | Inbound | 1,511 | 2,151 | | | |
| East Leg | Outbound | 1,680 | 1,781 | | | |
| **East Leg** | **TOTAL** | **3,191** | **3,932** | **6%** | **8%** | **51,500** |
| | | | | | | |
| West Leg | Inbound | 1,590 | 1,429 | | | |
| West Leg | Outbound | 1,080 | 1,892 | | | |
| **West Leg** | **TOTAL** | **2,670** | **3,321** | **6%** | **8%** | **41,800** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,360*** | ***9,940*** | **6%** | ***8%*** | ***129,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A13 Haun_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Haun Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    61     9   403
                     <     v     >
            62 ^                     ^   267
           344 >                     <   312
             8 v                     v     5
                     <     ^     >
                      5    30     1
```

EXISTING MODEL YEAR:

```
2012                         77   190
                             v     ^
           349   <      IN   =   871 <   527
           261   >      OUT  =   871 >   323
                             v     ^
                             9     6
```

FUTURE MODEL YEAR:

```
2035                         42   148
                             v     ^
           899   <      IN   =  1779 <   773
           718   >      OUT  =  1780 >   583
                             v     ^
                           150   246
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                      8,600
                            N
        13,600    W       LEG    E    20,000
                            S
                           400
```

REFINED FUTURE ADT'S BY LEG:

```
2035                      8,600
                            N
        25,600    W       LEG    E    26,000
                            S
                         4,400
```

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    39     4   281
                     <     v     >
            52 ^                     ^   371
           540 >                     <   368
             4 v                     v    10
                     <     ^     >
                      2     4     3
```

EXISTING MODEL YEAR:

```
2012                        216   143
                             v     ^
           289   <      IN   =  1041 <   409
           402   >      OUT  =  1041 >   602
                             v     ^
                             7    14
```

FUTURE MODEL YEAR:

```
2035                        140   145
                             v     ^
           984   <      IN   =  2163 <   819
          1015   >      OUT  =  2163 >   800
                             v     ^
                           234   189
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                      8,600
                            N
        13,600    W        +     E    20,000
                            S
                           400
```

REFINED FUTURE ADT'S BY LEG:

```
2035                      8,600
                            N
        25,600    W        +     E    26,000
                            S
                         4,400
```

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A14 Haun_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Haun Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 473 | 359 | |
| | | v | ^ | |
| 378 < | IN = | 1507 | < | 584 |
| 414 > | OUT = | 1507 | > | 748 |
| | | v | ^ | |
| | | 22 | 36 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 550 < | | | < | 250 |
| 460 > | | | > | 260 |
| | | v | ^ | |
| | | 140 | 240 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 550 < | | | < | 250 |
| 460 > | | | > | 260 |
| | | v | ^ | |
| | | 140 | 240 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 470 | 360 | |
| | | v | ^ | |
| 930 < | IN = | 2450 | < | 830 |
| 870 > | OUT = | 2460 | > | 1010 |
| | | v | ^ | * |
| | | 160 | 280 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 324 | 427 | |
| | | v | ^ | |
| 409 < | IN = | 1678 | < | 749 |
| 596 > | OUT = | 1678 | > | 824 |
| | | v | ^ | |
| | | 18 | 9 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 700 < | | | < | 410 |
| 610 > | | | > | 200 |
| | | v | ^ | |
| | | 230 | 111 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 700 < | | | < | 410 |
| 610 > | | | > | 200 |
| | | v | ^ | |
| | | 230 | 110 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 320 | 430 | |
| | | v | ^ | |
| 1110 < | IN = | 2810 | < | 1160 |
| 1210 > | OUT = | 2810 | > | 1020 |
| | | v | ^ | * |
| | | 250 | 120 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A14 Haun_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Haun Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 5 | 118 | 113 | 2260% | 2 | 72 | 70 | 3500% |
| | Through | 30 | 156 | 126 | 420% | 4 | 36 | 32 | 800% |
| | Right | 1 | 9 | 8 | 800% | 3 | 14 | 11 | 367% |
| | NB Total | 36 | 283 | 247 | 686% | 9 | 122 | 113 | 1256% |
| SOUTH BOUND | Left | 403 | 305 | -98 | -24% | 281 | 132 | -149 | -53% |
| | Through | 9 | 40 | 31 | 344% | 4 | 41 | 37 | 925% |
| | Right | 61 | 125 | 64 | 105% | 39 | 146 | 107 | 274% |
| | SB Total | 473 | 470 | -3 | -1% | 324 | 319 | -5 | -2% |
| EAST BOUND | Left | 62 | 75 | 13 | 21% | 52 | 168 | 116 | 223% |
| | Through | 344 | 697 | 353 | 103% | 540 | 874 | 334 | 62% |
| | Right | 8 | 96 | 88 | 1100% | 4 | 142 | 138 | 3450% |
| | EB Total | 414 | 868 | 454 | 110% | 596 | 1,184 | 588 | 99% |
| WEST BOUND | Left | 5 | 24 | 19 | 380% | 10 | 67 | 57 | 570% |
| | Through | 312 | 687 | 375 | 120% | 368 | 892 | 524 | 142% |
| | Right | 267 | 129 | -138 | -52% | 371 | 226 | -145 | -39% |
| | WB Total | 584 | 840 | 256 | 44% | 749 | 1,185 | 436 | 58% |
| TOTAL ENTERING VOLUME | | 1,507 | 2,461 | 954 | 63% | 1,678 | 2,810 | 1132 | 67% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 470 | 319 | | | |
| North Leg | Outbound | 360 | 430 | | | |
| **North Leg** | **TOTAL** | **830** | **749** | **10%** | **9%** | **8,600** |
| South Leg | Inbound | 283 | 122 | | | |
| South Leg | Outbound | 160 | 250 | | | |
| **South Leg** | **TOTAL** | **443** | **372** | **10%** | **8%** | **4,400** |
| East Leg | Inbound | 840 | 1,185 | | | |
| East Leg | Outbound | 1,011 | 1,020 | | | |
| **East Leg** | **TOTAL** | **1,851** | **2,205** | **7%** | **8%** | **26,000** |
| West Leg | Inbound | 868 | 1,184 | | | |
| West Leg | Outbound | 930 | 1,110 | | | |
| **West Leg** | **TOTAL** | **1,798** | **2,294** | **7%** | **9%** | **25,600** |
| ***OVERALL TOTAL*** | | ***4,922*** | ***5,620*** | **8%** | ***9%*** | ***64,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A14 Haun_Scott.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 24, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP RCIP | <=== | | |

LOCATION: **I-215 SB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**244 0 397**
< v >
**0** ^ ^ **0**
**940** > < **1121**
**424** v v **621**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**250 0**
v ^
**849** < IN = 2510 < **1350**
**910** > OUT = 2511 > **746**
v ^
**916 0**

FUTURE MODEL YEAR:

**2035**

**306 0**
v ^
**989** < IN = 2729 < **1197**
**1226** > OUT = 2731 > **1011**
v ^
**731 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**13,600**
N
**48,500** W **LEG** E **46,500**
S
**9,800**

REFINED FUTURE ADT'S BY LEG:

2035

**13,600**
N
**51,500** W **LEG** E **46,500**
S
**9,800**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**491 2 512**
< v >
**0** ^ ^ **0**
**1260** > < **1314**
**361** v v **359**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**601 0**
v ^
**1101** < IN = 3231 < **1508**
**1122** > OUT = 3232 > **1445**
v ^
**686 0**

FUTURE MODEL YEAR:

2035

**296 0**
v ^
**1445** < IN = 3163 < **1595**
**1272** > OUT = 3162 > **1164**
v ^
**553 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

13,600
N
48,500 W + E 46,500
S
9,800

REFINED FUTURE ADT'S BY LEG:

2035

13,600
N
51,500 W + E 46,500
S
9,800

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A15 I-215 SB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 641 | 0 | |
| | | v | ^ | |
| 1365 | < IN | = | 3747 | < 1742 |
| 1364 | > OUT | = | 3747 | > 1337 |
| | | v | ^ | |
| | | 1045 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | | < MIN |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | MIN | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 60 | 0 | |
| | | v | ^ | |
| 140 | < | | | < 0 |
| 320 | > | | | > 270 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 60 | 0 | |
| | | v | ^ | |
| 140 | < | | | < 0 |
| 320 | > | | | > 270 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 700 | 0 | |
| | | v | ^ | |
| 1510 | < IN | = | 4120 | < 1740 |
| 1680 | > OUT | = | 4170 | > 1610 |
| | | v | ^ | * |
| | | 1050 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 1005 | 0 | |
| | | v | ^ | |
| 1805 | < IN | = | 4299 | < 1673 |
| 1621 | > OUT | = | 4299 | > 1772 |
| | | v | ^ | |
| | | 722 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > MIN |
| | | v | ^ | |
| | | MIN | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 340 | < | | | < 90 |
| 150 | > | | | > 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 340 | < | | | < 90 |
| 150 | > | | | > 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1010 | 0 | |
| | | v | ^ | |
| 2150 | < IN | = | 4540 | < 1760 |
| 1770 | > OUT | = | 4640 | > 1770 |
| | | v | ^ | * |
| | | 720 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A15 I-215 SB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 397 | 415 | 18 | 5% | 512 | 403 | -109 | -21% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 244 | 294 | 50 | 20% | 491 | 628 | 137 | 28% |
| | SB Total | 641 | 709 | 68 | 11% | 1,005 | 1,033 | 28 | 3% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 940 | 1,195 | 255 | 27% | 1,260 | 1,367 | 107 | 8% |
| | Right | 424 | 504 | 80 | 19% | 361 | 435 | 74 | 20% |
| | EB Total | 1,364 | 1,699 | 335 | 25% | 1,621 | 1,802 | 181 | 11% |
| WEST BOUND | Left | 621 | 546 | -75 | -12% | 359 | 284 | -75 | -21% |
| | Through | 1,121 | 1,216 | 95 | 8% | 1,314 | 1,522 | 208 | 16% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,742 | 1,762 | 20 | 1% | 1,673 | 1,806 | 133 | 8% |
| TOTAL ENTERING VOLUME | | 3,747 | 4,170 | 423 | 11% | 4,299 | 4,641 | 342 | 8% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 709 | 1,033 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **709** | **1,033** | **5%** | **8%** | **13,600** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 1,050 | 721 | | | |
| **South Leg** | **TOTAL** | **1,050** | **721** | **11%** | **7%** | **9,800** |
| East Leg | Inbound | 1,762 | 1,806 | | | |
| East Leg | Outbound | 1,610 | 1,770 | | | |
| **East Leg** | **TOTAL** | **3,372** | **3,576** | **7%** | **8%** | **46,500** |
| West Leg | Inbound | 1,699 | 1,802 | | | |
| West Leg | Outbound | 1,510 | 2,150 | | | |
| **West Leg** | **TOTAL** | **3,209** | **3,952** | **6%** | **8%** | **51,500** |
| ***OVERALL TOTAL*** | | ***8,340*** | ***9,282*** | ***7%*** | ***8%*** | ***121,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A15 I-215 SB Ramps_Newport.xls]Output (*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **95 0 282** | 2012 **122 2 405** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **404** > < **489** | **603** > < **627** |
| **344** v v **464** | **221** v v **435** |
| < ^ > | < ^ > |
| **0 0 0** | **0 0 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **349 0** | 2012 **468 0** |
| v ^ | v ^ |
| **567** < IN = 1266 < **578** | **432** < IN = 1623 < **513** |
| **339** > OUT = 1265 > **410** | **642** > OUT = 1623 > **847** |
| v ^ | v ^ |
| **288 0** | **344 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **94 0** | 2035 **67 0** |
| v ^ | v ^ |
| **777** < IN = 1432 < **741** | **838** < IN = 1725 < **833** |
| **597** > OUT = 1431 > **393** | **825** > OUT = 1725 > **550** |
| v ^ | v ^ |
| **261 0** | **337 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,100** | 2012 7,100 |
| N | N |
| **20,000** W **LEG** E **28,000** | 20,000 W + E 28,000 |
| S | S |
| **8,900** | 8,900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **7,100** | 2035 7,100 |
| N | N |
| **26,000** W **LEG** E **29,000** | 26,000 W + E 29,000 |
| S | S |
| **8,900** | 8,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A16 I-215 SB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 377 | 0 | |
| | | v | ^ | |
| 584 < | IN = | 2078 | < | 953 |
| 748 > | OUT = | 2078 | > | 686 |
| | | v | ^ | |
| | | 808 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | MIN |
| | | v | ^ | |
| | | MIN | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 210 < | | | < | 160 |
| 260 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 210 < | | | < | 160 |
| 260 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 380 | 0 | | |
| | | v | ^ | | |
| 862 < | IN = | 2500 | < | 1110 | |
| 1010 > | OUT = | 2500 | > | 753 | |
| | | v | ^ | * | |
| | | 884 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 529 | 0 | |
| | | v | ^ | |
| 749 < | IN = | 2415 | < | 1062 |
| 824 > | OUT = | 2415 | > | 1008 |
| | | v | ^ | |
| | | 658 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | MIN |
| | | v | ^ | |
| | | MIN | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 410 < | | | < | 320 |
| 180 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 410 < | | | < | 320 |
| 180 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 530 | 0 | | |
| | | v | ^ | | |
| 1193 < | IN = | 2910 | < | 1380 | |
| 1000 > | OUT = | 2910 | > | 1039 | |
| | | v | ^ | * | |
| | | 679 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A16 I-215 SB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 282 | 232 | -50 | -18% | 405 | 331 | -74 | -18% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 95 | 148 | 53 | 56% | 122 | 197 | 75 | 61% |
| | SB Total | 377 | 380 | 3 | 1% | 529 | 530 | 1 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 404 | 521 | 117 | 29% | 603 | 708 | 105 | 17% |
| | Right | 344 | 488 | 144 | 42% | 221 | 288 | 67 | 30% |
| | EB Total | 748 | 1,009 | 261 | 35% | 824 | 996 | 172 | 21% |
| WEST BOUND | Left | 464 | 396 | -68 | -15% | 435 | 389 | -46 | -11% |
| | Through | 489 | 715 | 226 | 46% | 627 | 996 | 369 | 59% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 953 | 1,111 | 158 | 17% | 1,062 | 1,385 | 323 | 30% |
| TOTAL ENTERING VOLUME | | 2,078 | 2,500 | 422 | 20% | 2,415 | 2,911 | 496 | 21% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 380 | 530 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **380** | **530** | **5%** | **7%** | **7,100** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 884 | 679 | | | |
| **South Leg** | **TOTAL** | **884** | **679** | **10%** | **8%** | **8,900** |
| | | | | | | |
| East Leg | Inbound | 1,111 | 1,385 | | | |
| East Leg | Outbound | 753 | 1,039 | | | |
| **East Leg** | **TOTAL** | **1,864** | **2,424** | **6%** | **8%** | **29,000** |
| | | | | | | |
| West Leg | Inbound | 1,009 | 996 | | | |
| West Leg | Outbound | 863 | 1,193 | | | |
| **West Leg** | **TOTAL** | **1,872** | **2,189** | **7%** | **8%** | **26,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***5,000*** | ***5,822*** | ***7%*** | ***8%*** | ***71,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A16 I-215 SB Ramps_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **164** | ^ | | | ^ | **43** |
| | **320** | > | | | < | **290** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **263** | **6** | **138** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **356** | |
| | | | | v | ^ | |
| | **324** | < | IN | = | 926 | < **426** |
| | **264** | > | OUT | = | 926 | > **246** |
| | | | | v | ^ | |
| | | | | **0** | **236** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **509** | |
| | | | | v | ^ | |
| | **1561** | < | IN | = | 3820 | < **1746** |
| | **1693** | > | OUT | = | 3820 | > **1750** |
| | | | | v | ^ | |
| | | | | **0** | **381** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **3,200** | | |
| | | | N | | |
| | **13,200** | W | **LEG** | E | **11,300** |
| | | | S | | |
| | | | **5,200** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **11,200** | | |
| | | | N | | |
| | **52,900** | W | **LEG** | E | **51,200** |
| | | | S | | |
| | | | **8,200** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **168** | ^ | | | ^ | **69** |
| | **313** | > | | | < | **280** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **213** | **1** | **174** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **164** | |
| | | | | v | ^ | |
| | **242** | < | IN | = | 969 | < **235** |
| | **501** | > | OUT | = | 969 | > **563** |
| | | | | v | ^ | |
| | | | | **0** | **233** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **760** | |
| | | | | v | ^ | |
| | **1811** | < | IN | = | 4620 | < **2269** |
| | **1928** | > | OUT | = | 4620 | > **2049** |
| | | | | v | ^ | |
| | | | | **0** | **423** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 3,200 | | |
| | | | N | | |
| | 13,200 | W | + | E | 11,300 |
| | | | S | | |
| | | | 5,200 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 11,200 | | |
| | | | N | | |
| | 52,900 | W | + | E | 51,200 |
| | | | S | | |
| | | | 8,200 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A17 I-215 NB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

```
                    0   213
                    v     ^
553 <   IN   =   1224 <   333
484 >   OUT  =   1224 >   458
                    v     ^
                    0   407
```

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                MUL   MUL
                  v     ^
ADD   <                 <  MUL
ADD   >                 >  ADD
                  v     ^
                MUL   ADD
```

MINIMUM GROWTH %s 2012 TO 2035

```
                 0%    0%
                  v     ^
 0% <                  <   0%
 0% >                  >   0%
                  v     ^
                 0%    0%
```

REFINED GROWTH: 2012 TO 2035

```
                    0    87
                    v     ^
1240 <                  <  1037
1430 >                  >  1500
                    v     ^
                    0   150
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0    90
                    v     ^
1240 <                  <  1040
1430 >                  >  1500
                    v     ^
                    0   150
```

NEW PROJECTED VOLUMES: 2035

```
                    0   300
                    v     ^
1790 <   IN   =   3840 <  1370
1910 >   OUT  =   4050 >  1960
                    v     ^   *
                    0   560
```

**PM**

EXISTING COUNT YEAR:
2012

```
                    0   238
                    v     ^
493 <   IN   =   1218 <   349
481 >   OUT  =   1218 >   487
                    v     ^
                    0   388
```

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                MUL   ADD
                  v     ^
ADD   <                 <  ADD
MUL   >                 >  MUL
                  v     ^
                MUL   ADD
```

```
                 0%    0%
                  v     ^
 0% <                  <   0%
 0% >                  >   0%
                  v     ^
                 0%    0%
```

ADJUSTED GROWTH: 2012 TO 2035

```
                    0   600
                    v     ^
1570 <                  <  2030
1369 >                  >  1283
                    v     ^
                    0   190
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0   600
                    v     ^
1570 <                  <  2030
1370 >                  >  1280
                    v     ^
                    0   190
```

NEW PROJECTED VOLUMES: 2035

```
                    0   865
                    v     ^
2122 <   IN   =   4810 <  2380
1850 >   OUT  =   4810 >  1823
                    v     ^   *
                    0   580
```

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A17 I-215 NB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 263 | 388 | 125 | 48% | 213 | 224 | 11 | 5% |
| | Through | 6 | 2 | -4 | -67% | 1 | 1 | 0 | 0% |
| | Right | 138 | 202 | 64 | 46% | 174 | 357 | 183 | 105% |
| | NB Total | 407 | 592 | 185 | 45% | 388 | 582 | 194 | 50% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 164 | 242 | 78 | 48% | 168 | 400 | 232 | 138% |
| | Through | 320 | 1,758 | 1,438 | 449% | 313 | 1,466 | 1,153 | 368% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 484 | 2,000 | 1,516 | 313% | 481 | 1,866 | 1,385 | 288% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 290 | 1,402 | 1,112 | 383% | 280 | 1,898 | 1,618 | 578% |
| | Right | 43 | 55 | 12 | 28% | 69 | 464 | 395 | 572% |
| | WB Total | 333 | 1,457 | 1,124 | 338% | 349 | 2,362 | 2,013 | 577% |
| TOTAL ENTERING VOLUME | | 1,224 | 4,049 | 2825 | 231% | 1,218 | 4,810 | 3592 | 295% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 299 | 865 | | | |
| **North Leg** | **TOTAL** | **299** | **865** | **3%** | **8%** | **11,200** |
| South Leg | Inbound | 592 | 582 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **592** | **582** | **7%** | **7%** | **8,200** |
| East Leg | Inbound | 1,457 | 2,362 | | | |
| East Leg | Outbound | 1,960 | 1,823 | | | |
| **East Leg** | **TOTAL** | **3,417** | **4,185** | **7%** | **8%** | **51,200** |
| West Leg | Inbound | 2,000 | 1,866 | | | |
| West Leg | Outbound | 1,790 | 2,122 | | | |
| **West Leg** | **TOTAL** | **3,790** | **3,988** | **7%** | **8%** | **52,900** |
| ***OVERALL TOTAL*** | | ***8,098*** | ***9,620*** | ***7%*** | ***8%*** | ***123,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A17 I-215 NB Ramps_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **0 0 0** | 2012 **0 0 0** |
| < v > | < v > |
| **256** ^ ^ **186** | **264** ^ ^ **112** |
| **512** > < **923** | **940** > < **731** |
| **0** v v **0** | **0** v v **0** |
| < ^ > | < ^ > |
| **196 2 229** | **266 1 423** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **0 349** | 2012 **0 435** |
| v ^ | v ^ |
| **450** < IN = 1299 < **398** | **706** < IN = 1656 < **603** |
| **692** > OUT = 1299 > **500** | **721** > OUT = 1656 > **515** |
| v ^ | v ^ |
| **0 209** | **0 332** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **0 271** | 2035 **0 386** |
| v ^ | v ^ |
| **1040** < IN = 2379 < **950** | **1571** < IN = 3088 < **1383** |
| **1127** > OUT = 2380 > **1069** | **1246** > OUT = 3089 > **1132** |
| v ^ | v ^ |
| **0 302** | **0 459** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **5,100** | 2012 5,100 |
| N | N |
| **29,700** W **LEG** E **29,800** | 29,700 W + E 29,800 |
| S | S |
| **9,300** | 9,300 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **5,100** | 2035 5,100 |
| N | N |
| **43,700** W **LEG** E **43,800** | 43,700 W + E 43,800 |
| S | S |
| **11,300** | 11,300 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A18 I-215 NB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 444 | | |
| | | v | ^ | | |
| 1119 | < IN | = | 2304 | < | 1109 |
| 768 | > OUT | = | 2304 | > | 741 |
| | | v | ^ | | |
| | | 0 | 427 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 590 | < | | | < | 550 |
| 440 | > | | | > | 570 |
| | | v | ^ | | |
| | | 0 | 90 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 590 | < | | | < | 550 |
| 440 | > | | | > | 570 |
| | | v | ^ | | |
| | | 0 | 90 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 440 | | |
| | | v | ^ | | |
| 1710 | < IN | = | 3390 | < | 1660 |
| 1210 | > OUT | = | 3460 | > | 1310 |
| | | v | ^ | * | |
| | | 0 | 520 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 377 | | |
| | | v | ^ | | |
| 997 | < IN | = | 2737 | < | 843 |
| 1204 | > OUT | = | 2737 | > | 1363 |
| | | v | ^ | | |
| | | 0 | 690 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 870 | < | | | < | 780 |
| 530 | > | | | > | 620 |
| | | v | ^ | | |
| | | 0 | 130 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 870 | < | | | < | 780 |
| 530 | > | | | > | 620 |
| | | v | ^ | | |
| | | 0 | 130 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 380 | | |
| | | v | ^ | | |
| 1870 | < IN | = | 4170 | < | 1620 |
| 1730 | > OUT | = | 4230 | > | 1980 |
| | | v | ^ | * | |
| | | 0 | 820 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A18 I-215 NB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 196 | 212 | 16 | 8% | 266 | 346 | 80 | 30% |
| | Through | 2 | 1 | -1 | -50% | 1 | 1 | 0 | 0% |
| | Right | 229 | 318 | 89 | 39% | 423 | 485 | 62 | 15% |
| | NB Total | 427 | 531 | 104 | 24% | 690 | 832 | 142 | 21% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 256 | 246 | -10 | -4% | 264 | 255 | -9 | -3% |
| | Through | 512 | 992 | 480 | 94% | 940 | 1,495 | 555 | 59% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 768 | 1,238 | 470 | 61% | 1,204 | 1,750 | 546 | 45% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 923 | 1,498 | 575 | 62% | 731 | 1,524 | 793 | 108% |
| | Right | 186 | 192 | 6 | 3% | 112 | 125 | 13 | 12% |
| | WB Total | 1,109 | 1,690 | 581 | 52% | 843 | 1,649 | 806 | 96% |
| TOTAL ENTERING VOLUME | | 2,304 | 3,459 | 1155 | 50% | 2,737 | 4,231 | 1494 | 55% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 439 | 381 | | | |
| **North Leg** | **TOTAL** | **439** | **381** | **9%** | **7%** | **5,100** |
| | | | | | | |
| South Leg | Inbound | 531 | 832 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **531** | **832** | **5%** | **7%** | **11,300** |
| | | | | | | |
| East Leg | Inbound | 1,690 | 1,649 | | | |
| East Leg | Outbound | 1,310 | 1,980 | | | |
| **East Leg** | **TOTAL** | **3,000** | **3,629** | **7%** | **8%** | **43,800** |
| | | | | | | |
| West Leg | Inbound | 1,238 | 1,750 | | | |
| West Leg | Outbound | 1,710 | 1,870 | | | |
| **West Leg** | **TOTAL** | **2,948** | **3,620** | **7%** | **8%** | **43,700** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***6,918*** | ***8,462*** | ***7%*** | ***8%*** | ***103,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A18 I-215 NB Ramps_McCall.xls]Output (*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 24, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP RCIP | <=== | | |

LOCATION: **I-215 NB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **253** | ^ | | | ^ | **404** |
| | **1084** | > | | | < | **1500** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **242** | **1** | **370** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **458** | |
| | | | | v | ^ | |
| | **1350** | < | IN | = | 3106 | < **1609** |
| | **745** | > | OUT | = | 3105 | > **1297** |
| | | | | v | ^ | |
| | | | | **0** | **752** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **291** | |
| | | | | v | ^ | |
| | **1197** | < | IN | = | 2764 | < **1109** |
| | **1011** | > | OUT | = | 2763 | > **1275** |
| | | | | v | ^ | |
| | | | | **0** | **644** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **9,700** | | |
| | | | N | | |
| | **46,500** | W | **LEG** | E | **52,700** |
| | | | S | | |
| | | | **16,600** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **9,700** | | |
| | | | N | | |
| | **46,500** | W | **LEG** | E | **52,700** |
| | | | S | | |
| | | | **16,600** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **356** | ^ | | | ^ | **359** |
| | **1416** | > | | | < | **1148** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **525** | **0** | **707** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **352** | |
| | | | | v | ^ | |
| | **1508** | < | IN | = | 3859 | < **1469** |
| | **1445** | > | OUT | = | 3859 | > **1999** |
| | | | | v | ^ | |
| | | | | **0** | **945** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **337** | |
| | | | | v | ^ | |
| | **1595** | < | IN | = | 3393 | < **1385** |
| | **1164** | > | OUT | = | 3393 | > **1461** |
| | | | | v | ^ | |
| | | | | **0** | **844** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 9,700 | | |
| | | | N | | |
| | 46,500 | W | + | E | 52,700 |
| | | | S | | |
| | | | 16,600 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 9,700 | | |
| | | | N | | |
| | 46,500 | W | + | E | 52,700 |
| | | | S | | |
| | | | 16,600 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A19 I-215 NB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 658 | | |
| | | v | ^ | | |
| 1742 | < IN | = | 3854 | < | 1904 |
| 1337 | > OUT | = | 3854 | > | 1454 |
| | | v | ^ | | |
| | | 0 | 613 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| MIN | < | | | < | MIN |
| ADD | > | | | > | MIN |
| | | v | ^ | | |
| | | MUL | MIN | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 0 | < | | | < | 0 |
| 270 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 0 | < | | | < | 0 |
| 270 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 706 | | |
| | | v | ^ | | |
| 1862 | < IN | = | 4120 | < | 1900 |
| 1610 | > OUT | = | 4120 | > | 1552 |
| | | v | ^ | * | |
| | | 0 | 610 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 715 | | |
| | | v | ^ | | |
| 1673 | < IN | = | 4511 | < | 1507 |
| 1772 | > OUT | = | 4511 | > | 2123 |
| | | v | ^ | | |
| | | 0 | 1232 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | MIN |
| MIN | > | | | > | MIN |
| | | v | ^ | | |
| | | MUL | MIN | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 90 | < | | | < | 0 |
| 0 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 90 | < | | | < | 0 |
| 0 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 720 | | |
| | | v | ^ | | |
| 1760 | < IN | = | 4510 | < | 1510 |
| 1770 | > OUT | = | 4600 | > | 2120 |
| | | v | ^ | * | |
| | | 0 | 1230 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A19 I-215 NB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 242 | 301 | 59 | 24% | 525 | 567 | 42 | 8% |
| | Through | 1 | 1 | 0 | 0% | 0 | 0 | 0 | #DIV/0! |
| | Right | 370 | 308 | -62 | -17% | 707 | 688 | -19 | -3% |
| | NB Total | 613 | 610 | -3 | 0% | 1,232 | 1,255 | 23 | 2% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 253 | 358 | 105 | 42% | 356 | 372 | 16 | 4% |
| | Through | 1,084 | 1,244 | 160 | 15% | 1,416 | 1,432 | 16 | 1% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 1,337 | 1,602 | 265 | 20% | 1,772 | 1,804 | 32 | 2% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 1,500 | 1,561 | 61 | 4% | 1,148 | 1,193 | 45 | 4% |
| | Right | 404 | 347 | -57 | -14% | 359 | 348 | -11 | -3% |
| | WB Total | 1,904 | 1,908 | 4 | 0% | 1,507 | 1,541 | 34 | 2% |
| TOTAL ENTERING VOLUME | | 3,854 | 4,120 | 266 | 7% | 4,511 | 4,600 | 89 | 2% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 706 | 720 | | | |
| **North Leg** | **TOTAL** | **706** | **720** | **7%** | **7%** | **9,700** |
| South Leg | Inbound | 610 | 1,255 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **610** | **1,255** | **4%** | **8%** | **16,600** |
| East Leg | Inbound | 1,908 | 1,541 | | | |
| East Leg | Outbound | 1,552 | 2,120 | | | |
| **East Leg** | **TOTAL** | **3,460** | **3,661** | **7%** | **7%** | **52,700** |
| West Leg | Inbound | 1,602 | 1,804 | | | |
| West Leg | Outbound | 1,862 | 1,760 | | | |
| **West Leg** | **TOTAL** | **3,464** | **3,564** | **7%** | **8%** | **46,500** |
| ***OVERALL TOTAL*** | | ***8,240*** | ***9,200*** | ***7%*** | ***7%*** | ***125,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A19 I-215 NB Ramps_Newport.xls]Output*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    0     0     0
                  <     v     >
          99 ^                     ^   354
         587 >                     <   838
           0 v                     v     0
                  <     ^     >
                  115   1   286
```

EXISTING MODEL YEAR:

```
2012                          0   484
                              v     ^
         578  <     IN   =   1685 <   849
         410  >     OUT  =   1685 >   623
                              v     ^
                              0   426
```

FUTURE MODEL YEAR:

```
2035                          0   147
                              v     ^
         741  <     IN   =   1710 <   585
         393  >     OUT  =   1711 >   823
                              v     ^
                              0   732
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                      6,300
                            N
        28,000   W        LEG    E   35,700
                            S
                         10,700
```

REFINED FUTURE ADT'S BY LEG:

```
2035                      6,300
                            N
        29,000   W        LEG    E   35,700
                            S
                         11,700
```

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    0     0     0
                  <     v     >
         109 ^                     ^   356
         899 >                     <   788
           0 v                     v     0
                  <     ^     >
                  274   0   516
```

EXISTING MODEL YEAR:

```
2012                          0   365
                              v     ^
         513  <     IN   =   1893 <   621
         847  >     OUT  =   1893 >   1015
                              v     ^
                              0   425
```

FUTURE MODEL YEAR:

```
2035                          0   110
                              v     ^
         833  <     IN   =   1592 <   576
         550  >     OUT  =   1592 >   649
                              v     ^
                              0   466
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                      6,300
                            N
        28,000   W         +     E   35,700
                            S
                         10,700
```

REFINED FUTURE ADT'S BY LEG:

```
2035                      6,300
                            N
        29,000   W         +     E   35,700
                            S
                         11,700
```

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A20 I-215 NB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 454 | |
| | | v | ^ | |
| 953 < | IN = | 2280 | < | 1192 |
| 686 > | OUT = | 2280 | > | 873 |
| | | v | ^ | |
| | | 0 | 402 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MIN | |
| | | v | ^ | |
| ADD | < | | < | MIN |
| MIN | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 160 | < | | < | 0 |
| 0 | > | | > | 200 |
| | | v | ^ | |
| | | 0 | 288 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 160 | < | | < | 0 |
| 0 | > | | > | 200 |
| | | v | ^ | |
| | | 0 | 290 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 450 | |
| | | v | ^ | |
| 1110 | < IN = | 2570 | < | 1190 |
| 690 | > OUT = | 2630 | > | 1070 |
| | | v | ^ | * |
| | | 0 | 690 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 465 | |
| | | v | ^ | |
| 1062 < | IN = | 2942 | < | 1144 |
| 1008 > | OUT = | 2942 | > | 1415 |
| | | v | ^ | |
| | | 0 | 790 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MIN | |
| | | v | ^ | |
| ADD | < | | < | MIN |
| MIN | > | | > | MIN |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 320 | < | | < | 0 |
| 0 | > | | > | 0 |
| | | v | ^ | |
| | | 0 | 40 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 320 | < | | < | 0 |
| 0 | > | | > | 0 |
| | | v | ^ | |
| | | 0 | 40 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 470 | |
| | | v | ^ | |
| 1380 | < IN = | 2980 | < | 1140 |
| 1010 | > OUT = | 3270 | > | 1420 |
| | | v | ^ | * |
| | | 0 | 830 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A20 I-215 NB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 115 | 229 | 114 | 99% | 274 | 442 | 168 | 61% |
| | Through | 1 | 2 | 1 | 100% | 0 | 0 | 0 | #DIV/0! |
| | Right | 286 | 475 | 189 | 66% | 516 | 469 | -47 | -9% |
| | NB Total | 402 | 706 | 304 | 76% | 790 | 911 | 121 | 15% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 99 | 110 | 11 | 11% | 109 | 153 | 44 | 40% |
| | Through | 587 | 595 | 8 | 1% | 899 | 951 | 52 | 6% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 686 | 705 | 19 | 3% | 1,008 | 1,104 | 96 | 10% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 838 | 881 | 43 | 5% | 788 | 938 | 150 | 19% |
| | Right | 354 | 339 | -15 | -4% | 356 | 317 | -39 | -11% |
| | WB Total | 1,192 | 1,220 | 28 | 2% | 1,144 | 1,255 | 111 | 10% |
| TOTAL ENTERING VOLUME | | 2,280 | 2,631 | 351 | 15% | 2,942 | 3,270 | 328 | 11% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 451 | 470 | | | |
| **North Leg** | **TOTAL** | **451** | **470** | **7%** | **7%** | **6,300** |
| | | | | | | |
| South Leg | Inbound | 706 | 911 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **706** | **911** | **6%** | **8%** | **11,700** |
| | | | | | | |
| East Leg | Inbound | 1,220 | 1,255 | | | |
| East Leg | Outbound | 1,070 | 1,420 | | | |
| **East Leg** | **TOTAL** | **2,290** | **2,675** | **6%** | **7%** | **35,700** |
| | | | | | | |
| West Leg | Inbound | 705 | 1,104 | | | |
| West Leg | Outbound | 1,110 | 1,380 | | | |
| **West Leg** | **TOTAL** | **1,815** | **2,484** | **6%** | **9%** | **29,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***5,262*** | ***6,540*** | **6%** | ***8%*** | ***82,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A20 I-215 NB Ramps_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Encanto Dr (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    0     0     0
                    <     v     >
              0 ^                 ^     0
            425 >                 <   285
             33 v                 v    28
                    <     ^     >
                   48     0    53
```

EXISTING MODEL YEAR:

```
2012                    0     0
                      v     ^
            426 <   IN  =   764 <   251
            246 >   OUT =   764 >   317
                      v     ^
                     21   267
```

FUTURE MODEL YEAR:

```
2035                    0     0
                      v     ^
           1746 <   IN  =  3555 <  1683
           1750 >   OUT =  3555 >  1699
                      v     ^
                    110   122
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                    0
                        N
         11,300     W  LEG   E   10,200
                        S
                    3,200
```

REFINED FUTURE ADT'S BY LEG:

```
2035                    0
                        N
         57,300     W  LEG   E   56,200
                        S
                    4,200
```

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

```
2012                    0     0     0
                    <     v     >
              0 ^                 ^     0
            395 >                 <   280
             92 v                 v    33
                    <     ^     >
                   69     0    44
```

EXISTING MODEL YEAR:

```
2012                    0     0
                      v     ^
            235 <   IN  =   941 <   343
            563 >   OUT =   942 >   371
                      v     ^
                    336    35
```

FUTURE MODEL YEAR:

```
2035                    0     0
                      v     ^
           2269 <   IN  =  4394 <  2206
           2049 >   OUT =  4393 >  1968
                      v     ^
                    156   139
```

EXISTING (COUNTED) ADTs BY LEG:

```
2012                    0
                        N
         11,300     W   +   E   10,200
                        S
                    3,200
```

REFINED FUTURE ADT'S BY LEG:

```
2035                    0
                        N
         57,300     W   +   E   56,200
                        S
                    4,200
```

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A21 Encanto_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 333 < | IN = | 872 | < | 313 |
| 458 > | OUT = | 872 | > | 478 |
| | | v | ^ | |
| | | 61 | 101 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| MUL | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1037 | < | | < | 1430 |
| 1500 | > | | > | 1380 |
| | | v | ^ | |
| | | 90 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1040 | < | | < | 1430 |
| 1500 | > | | > | 1380 |
| | | v | ^ | |
| | | 90 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1540 | < | IN = | 3800 | < | 1740 |
| 1960 | > | OUT = | 3800 | > | 2091 |
| | | v | ^ | * | |
| | | 169 | 100 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 349 < | IN = | 913 | < | 313 |
| 487 > | OUT = | 913 | > | 439 |
| | | v | ^ | |
| | | 125 | 113 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | MUL |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2030 | < | | < | 1697 |
| 1283 | > | | > | 1600 |
| | | v | ^ | |
| | | 0 | 100 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2030 | < | | < | 1700 |
| 1280 | > | | > | 1600 |
| | | v | ^ | |
| | | 0 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 2380 | < | IN = | 3990 | < | 2010 |
| 1770 | > | OUT = | 4550 | > | 2040 |
| | | v | ^ | * | |
| | | 130 | 210 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A21 Encanto_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 48 | 26 | -22 | -46% | 69 | 141 | 72 | 104% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 77 | 24 | 45% | 44 | 99 | 55 | 125% |
| | NB Total | 101 | 103 | 2 | 2% | 113 | 240 | 127 | 112% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 425 | 2,014 | 1,589 | 374% | 395 | 1,941 | 1,546 | 391% |
| | Right | 33 | 47 | 14 | 42% | 92 | 79 | -13 | -14% |
| | EB Total | 458 | 2,061 | 1,603 | 350% | 487 | 2,020 | 1,533 | 315% |
| WEST BOUND | Left | 28 | 122 | 94 | 336% | 33 | 51 | 18 | 55% |
| | Through | 285 | 1,515 | 1,230 | 432% | 280 | 2,239 | 1,959 | 700% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 313 | 1,637 | 1,324 | 423% | 313 | 2,290 | 1,977 | 632% |
| TOTAL ENTERING VOLUME | | 872 | 3,801 | 2929 | 336% | 913 | 4,550 | 3637 | 398% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| South Leg | Inbound | 103 | 240 | | | |
| South Leg | Outbound | 169 | 130 | | | |
| **South Leg** | **TOTAL** | **272** | **370** | **6%** | **9%** | **4,200** |
| | | | | | | |
| East Leg | Inbound | 1,637 | 2,290 | | | |
| East Leg | Outbound | 2,091 | 2,040 | | | |
| **East Leg** | **TOTAL** | **3,728** | **4,330** | **7%** | **8%** | **56,200** |
| | | | | | | |
| West Leg | Inbound | 2,061 | 2,020 | | | |
| West Leg | Outbound | 1,541 | 2,380 | | | |
| **West Leg** | **TOTAL** | **3,602** | **4,400** | **6%** | **8%** | **57,300** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,602*** | ***9,100*** | **6%** | ***8%*** | ***117,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A21 Encanto_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Encanto Dr (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **98** | **9** | **46** | | |
| | | < | v | > | | |
| **83** | ^ | | | | ^ | **44** |
| **561** | > | | | | < | **814** |
| **97** | v | | | | v | **15** |
| | | < | ^ | > | | |
| | | **197** | **12** | **20** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **27** | **235** | | |
| | | | v | ^ | | |
| **398** | < | IN = | | 1002 | < | **475** |
| **500** | > | OUT = | | 1001 | > | **368** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **37** | **97** | | |
| | | | v | ^ | | |
| **921** | < | IN = | | 1985 | < | **915** |
| **1033** | > | OUT = | | 1985 | > | **967** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **4,800** | | | |
| | | | N | | | |
| **29,800** | W | | **LEG** | | E | **21,600** |
| | | | S | | | |
| | | | **7,800** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **4,800** | | | |
| | | | N | | | |
| **43,800** | W | | **LEG** | | E | **34,600** |
| | | | S | | | |
| | | | **7,800** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **88** | **16** | **26** | | |
| | | < | v | > | | |
| **174** | ^ | | | | ^ | **34** |
| **887** | > | | | | < | **584** |
| **302** | v | | | | v | **34** |
| | | < | ^ | > | | |
| | | **171** | **20** | **37** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **311** | **51** | | |
| | | | v | ^ | | |
| **603** | < | IN = | | 1261 | < | **435** |
| **515** | > | OUT = | | 1261 | > | **607** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **122** | **52** | | |
| | | | v | ^ | | |
| **1328** | < | IN = | | 2459 | < | **1247** |
| **1090** | > | OUT = | | 2458 | > | **1078** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 4,800 | | | |
| | | | N | | | |
| 29,800 | W | | + | | E | 21,600 |
| | | | S | | | |
| | | | 7,800 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 4,800 | | | |
| | | | N | | | |
| 43,800 | W | | + | | E | 34,600 |
| | | | S | | | |
| | | | 7,800 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A22 Encanto_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Encanto Dr (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | PM |
|---|---|
| EXISTING COUNT YEAR: | EXISTING COUNT YEAR: |
| 2012 | 2012 |
| 153 139 | 130 228 |
| v ^ | v ^ |
| 1109 < IN = 1996 < 873 | 843 < IN = 2373 < 652 |
| 741 > OUT = 1996 > 627 | 1363 > OUT = 2373 > 950 |
| v ^ | v ^ |
| 121 229 | 352 228 |
| GROWTH CALCULATION DECISION RULE | |
| MIN = Minimum Count Growth Approach | MIN = Minimum Count Growth Approach |
| ADD = Additive (Growth Increment) Approach ADD MIN | ADD = Additive (Growth Increment) Approach MIN ADD |
| MUL = Multiplicative (Ratio) Approach v ^ | MUL = Multiplicative (Ratio) Approach v ^ |
| ADD < < ADD | ADD < < ADD |
| ADD > > ADD | ADD > > ADD |
| v ^ | v ^ |
| ADD ADD | ADD ADD |
| MINIMUM GROWTH %s 2012 TO 2035 | |
| 0% 0% | 0% 0% |
| v ^ | v ^ |
| 0% < < 0% | 0% < < 0% |
| 0% > > 0% | 0% > > 0% |
| v ^ | v ^ |
| 0% 0% | 0% 0% |
| REFINED GROWTH: 2012 TO 2035 | ADJUSTED GROWTH: 2012 TO 2035 |
| 10 0 | 0 0 |
| v ^ | v ^ |
| 520 < < 440 | 730 < < 810 |
| 530 > > 600 | 580 > > 470 |
| v ^ | v ^ |
| 0 0 | 0 0 |
| PRORATED GROWTH: 2012 TO 2035 | PRORATED GROWTH: 2012 TO 2035 |
| 23 YEARS | 23 YEARS |
| 10 0 | 0 0 |
| v ^ | v ^ |
| 520 < < 440 | 730 < < 810 |
| 530 > > 600 | 580 > > 470 |
| v ^ | v ^ |
| 0 0 | 0 0 |
| NEW PROJECTED VOLUMES: 2035 | NEW PROJECTED VOLUMES: 2035 |
| 160 140 | 130 242 |
| v ^ | v ^ |
| 1630 < IN = 2970 < 1310 | 1654 < IN = 3760 < 1460 |
| 1270 > OUT = 3120 > 1230 | 1940 > OUT = 3760 > 1496 |
| v ^ * | v ^ * |
| 120 230 | 369 230 |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A22 Encanto_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Encanto Dr (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 197 | 209 | 12 | 6% | 171 | 182 | 11 | 6% |
| | Through | 12 | 8 | -4 | -33% | 20 | 13 | -7 | -35% |
| | Right | 20 | 25 | 5 | 25% | 37 | 36 | -1 | -3% |
| | NB Total | 229 | 242 | 13 | 6% | 228 | 231 | 3 | 1% |
| SOUTH BOUND | Left | 46 | 57 | 11 | 24% | 26 | 26 | 0 | 0% |
| | Through | 9 | 6 | -3 | -33% | 16 | 10 | -6 | -38% |
| | Right | 98 | 105 | 7 | 7% | 88 | 95 | 7 | 8% |
| | SB Total | 153 | 168 | 15 | 10% | 130 | 131 | 1 | 1% |
| EAST BOUND | Left | 83 | 89 | 6 | 7% | 174 | 182 | 8 | 5% |
| | Through | 561 | 1,148 | 587 | 105% | 887 | 1,434 | 547 | 62% |
| | Right | 97 | 100 | 3 | 3% | 302 | 312 | 10 | 3% |
| | EB Total | 741 | 1,337 | 596 | 80% | 1,363 | 1,928 | 565 | 41% |
| WEST BOUND | Left | 15 | 14 | -1 | -7% | 34 | 47 | 13 | 38% |
| | Through | 814 | 1,316 | 502 | 62% | 584 | 1,377 | 793 | 136% |
| | Right | 44 | 43 | -1 | -2% | 34 | 48 | 14 | 41% |
| | WB Total | 873 | 1,373 | 500 | 57% | 652 | 1,472 | 820 | 126% |
| TOTAL ENTERING VOLUME | | 1,996 | 3,120 | 1124 | 56% | 2,373 | 3,762 | 1389 | 59% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 168 | 131 | | | |
| North Leg | Outbound | 140 | 243 | | | |
| **North Leg** | **TOTAL** | **308** | **374** | **6%** | **8%** | **4,800** |
| South Leg | Inbound | 242 | 231 | | | |
| South Leg | Outbound | 120 | 369 | | | |
| **South Leg** | **TOTAL** | **362** | **600** | **5%** | **8%** | **7,800** |
| East Leg | Inbound | 1,373 | 1,472 | | | |
| East Leg | Outbound | 1,230 | 1,496 | | | |
| **East Leg** | **TOTAL** | **2,603** | **2,968** | **8%** | **9%** | **34,600** |
| West Leg | Inbound | 1,337 | 1,928 | | | |
| West Leg | Outbound | 1,630 | 1,654 | | | |
| **West Leg** | **TOTAL** | **2,967** | **3,582** | **7%** | **8%** | **43,800** |
| ***OVERALL TOTAL*** | | ***6,240*** | ***7,524*** | ***7%*** | ***8%*** | ***91,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A22 Encanto_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Antelope Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **160 70 110** | 2012 **108 61 18** |
| < v > | < v > |
| **70** ^ ^ **78** | **238** ^ ^ **31** |
| **719** > < **1340** | **1172** > < **836** |
| **665** v v **128** | **713** v v **129** |
| < ^ > | < ^ > |
| **404 40 118** | **563 101 207** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **374 194** | 2012 **276 419** |
| v ^ | v ^ |
| **1609** < IN = 3005 < **749** | **1469** < IN = 3616 < **883** |
| **1297** > OUT = 3005 > **856** | **1999** > OUT = 3616 > **985** |
| v ^ | v ^ |
| **346 585** | **743 458** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **235 221** | 2035 **297 353** |
| v ^ | v ^ |
| **1109** < IN = 2480 < **638** | **1385** < IN = 3020 < **849** |
| **1275** > OUT = 2479 > **805** | **1461** > OUT = 3021 > **836** |
| v ^ | v ^ |
| **344 332** | **447 413** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,500** | 2012 7,500 |
| N | N |
| **52,700** W **LEG** E **34,200** | 52,700 W + E 34,200 |
| S | S |
| **18,700** | 18,700 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **7,500** | 2035 7,500 |
| N | N |
| **52,700** W **LEG** E **34,200** | 52,700 W + E 34,200 |
| S | S |
| **18,700** | 18,700 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A23 Antelope_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Antelope Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 340 | 188 | |
| | | v | ^ | |
| 1904 < | IN = | 3902 | < | 1546 |
| 1454 > | OUT = | 3902 | > | 947 |
| | | v | ^ | |
| | | 863 | 562 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| MIN < | | | < | MIN |
| MIN > | | | > | MIN |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 22 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 0 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 20 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 0 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 340 | 210 | |
| | | v | ^ | |
| 1900 < | IN = | 3900 | < | 1550 |
| 1450 > | OUT = | 3920 | > | 950 |
| | | v | ^ | * |
| | | 860 | 560 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 187 | 370 | |
| | | v | ^ | |
| 1507 < | IN = | 4177 | < | 996 |
| 2123 > | OUT = | 4177 | > | 1397 |
| | | v | ^ | |
| | | 903 | 871 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MIN | |
| | | v | ^ | |
| MIN < | | | < | MIN |
| MIN > | | | > | MIN |
| | | v | ^ | |
| | | MIN | MIN | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 13 | 0 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 0 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 0 > | | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 200 | 371 | |
| | | v | ^ | |
| 1514 < | IN = | 4190 | < | 1000 |
| 2120 > | OUT = | 4190 | > | 1403 |
| | | v | ^ | * |
| | | 902 | 870 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A23 Antelope_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Antelope Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 404 | 400 | -4 | -1% | 563 | 560 | -3 | -1% |
| | Through | 40 | 45 | 5 | 13% | 101 | 102 | 1 | 1% |
| | Right | 118 | 119 | 1 | 1% | 207 | 209 | 2 | 1% |
| | NB Total | 562 | 564 | 2 | 0% | 871 | 871 | 0 | 0% |
| SOUTH BOUND | Left | 110 | 112 | 2 | 2% | 18 | 19 | 1 | 6% |
| | Through | 70 | 70 | 0 | 0% | 61 | 65 | 4 | 7% |
| | Right | 160 | 160 | 0 | 0% | 108 | 115 | 7 | 6% |
| | SB Total | 340 | 342 | 2 | 1% | 187 | 199 | 12 | 6% |
| EAST BOUND | Left | 70 | 78 | 8 | 11% | 238 | 238 | 0 | 0% |
| | Through | 719 | 720 | 1 | 0% | 1,172 | 1,175 | 3 | 0% |
| | Right | 665 | 660 | -5 | -1% | 713 | 707 | -6 | -1% |
| | EB Total | 1,454 | 1,458 | 4 | 0% | 2,123 | 2,120 | -3 | 0% |
| WEST BOUND | Left | 128 | 129 | 1 | 1% | 129 | 130 | 1 | 1% |
| | Through | 1,340 | 1,341 | 1 | 0% | 836 | 839 | 3 | 0% |
| | Right | 78 | 88 | 10 | 13% | 31 | 31 | 0 | 0% |
| | WB Total | 1,546 | 1,558 | 12 | 1% | 996 | 1,000 | 4 | 0% |
| TOTAL ENTERING VOLUME | | 3,902 | 3,922 | 20 | 1% | 4,177 | 4,190 | 13 | 0% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 342 | 199 | | | |
| North Leg | Outbound | 211 | 371 | | | |
| **North Leg** | **TOTAL** | **553** | **570** | **7%** | **8%** | **7,500** |
| South Leg | Inbound | 564 | 871 | | | |
| South Leg | Outbound | 859 | 902 | | | |
| **South Leg** | **TOTAL** | **1,423** | **1,773** | **8%** | **9%** | **18,700** |
| East Leg | Inbound | 1,558 | 1,000 | | | |
| East Leg | Outbound | 951 | 1,403 | | | |
| **East Leg** | **TOTAL** | **2,509** | **2,403** | **7%** | **7%** | **34,200** |
| West Leg | Inbound | 1,458 | 2,120 | | | |
| West Leg | Outbound | 1,901 | 1,514 | | | |
| **West Leg** | **TOTAL** | **3,359** | **3,634** | **6%** | **7%** | **52,700** |
| ***OVERALL TOTAL*** | | ***7,844*** | ***8,380*** | ***7%*** | ***7%*** | ***113,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A23 Antelope_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Antelope Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**284 283 69**
< v >
**132** ^ ^ **33**
**437** > < **552**
**304** v v **83**
< ^ >
**356 111 41**

EXISTING MODEL YEAR:

**2012**

**84 364**
v ^
**849** < IN = 1614 < **542**
**623** > OUT = 1613 > **314**
v ^
**86 365**

FUTURE MODEL YEAR:

**2035**

**56 162**
v ^
**585** < IN = 1566 < **646**
**823** > OUT = 1565 > **810**
v ^
**8 41**

EXISTING (COUNTED) ADTs BY LEG:

2012

**13,500**
N
**35,700** W **LEG** E **21,300**
S
**17,100**

REFINED FUTURE ADT'S BY LEG:

2035

**13,500**
N
**35,700** W **LEG** E **26,300**
S
**17,100**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**253 107 57**
< v >
**291** ^ ^ **37**
**804** > < **521**
**320** v v **75**
< ^ >
**370 270 123**

EXISTING MODEL YEAR:

2012

**332 238**
v ^
**621** < IN = 1890 < **377**
**1015** > OUT = 1891 > **573**
v ^
**459 166**

FUTURE MODEL YEAR:

2035

**321 148**
v ^
**576** < IN = 1631 < **642**
**649** > OUT = 1631 > **776**
v ^
**131 19**

EXISTING (COUNTED) ADTs BY LEG:

2012

13,500
N
35,700 W + E 21,300
S
17,100

REFINED FUTURE ADT'S BY LEG:

2035

13,500
N
35,700 W + E 26,300
S
17,100

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A24 Antelope_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Antelope Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 636 | 276 | |
| | | v | ^ | |
| 1192 | < IN = | 2685 | < | 668 |
| 873 | > OUT = | 2685 | > | 547 |
| | | v | ^ | |
| | | 670 | 508 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| MIN | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 100 |
| 200 | > | | > | 500 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 100 |
| 200 | > | | > | 500 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 640 | 280 | |
| | | v | ^ | |
| 1190 | < IN = | 2990 | < | 770 |
| 1070 | > OUT = | 3190 | > | 1050 |
| | | v | ^ | * |
| | | 670 | 510 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 417 | 598 | |
| | | v | ^ | |
| 1144 | < IN = | 3228 | < | 633 |
| 1415 | > OUT = | 3228 | > | 984 |
| | | v | ^ | |
| | | 502 | 763 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| MIN | < | | < | ADD |
| MIN | > | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 270 |
| 0 | > | | > | 200 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 270 |
| 0 | > | | > | 200 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 420 | 614 | |
| | | v | ^ | |
| 1167 | < IN = | 3500 | < | 900 |
| 1420 | > OUT = | 3500 | > | 1208 |
| | | v | ^ | * |
| | | 512 | 760 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A24 Antelope_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Antelope Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 356 | 316 | -40 | -11% | 370 | 275 | -95 | -26% |
| | Through | 111 | 125 | 14 | 13% | 270 | 298 | 28 | 10% |
| | Right | 41 | 103 | 62 | 151% | 123 | 187 | 64 | 52% |
| | NB Total | 508 | 544 | 36 | 7% | 763 | 760 | -3 | 0% |
| SOUTH BOUND | Left | 69 | 158 | 89 | 129% | 57 | 94 | 37 | 65% |
| | Through | 283 | 295 | 12 | 4% | 107 | 121 | 14 | 13% |
| | Right | 284 | 230 | -54 | -19% | 253 | 205 | -48 | -19% |
| | SB Total | 636 | 683 | 47 | 7% | 417 | 420 | 3 | 1% |
| EAST BOUND | Left | 132 | 107 | -25 | -19% | 291 | 244 | -47 | -16% |
| | Through | 437 | 789 | 352 | 81% | 804 | 927 | 123 | 15% |
| | Right | 304 | 250 | -54 | -18% | 320 | 252 | -68 | -21% |
| | EB Total | 873 | 1,146 | 273 | 31% | 1,415 | 1,423 | 8 | 1% |
| WEST BOUND | Left | 83 | 125 | 42 | 51% | 75 | 138 | 63 | 84% |
| | Through | 552 | 645 | 93 | 17% | 521 | 687 | 166 | 32% |
| | Right | 33 | 49 | 16 | 48% | 37 | 72 | 35 | 95% |
| | WB Total | 668 | 819 | 151 | 23% | 633 | 897 | 264 | 42% |
| TOTAL ENTERING VOLUME | | 2,685 | 3,192 | 507 | 19% | 3,228 | 3,500 | 272 | 8% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 683 | 420 | | | |
| North Leg | Outbound | 281 | 614 | | | |
| **North Leg** | **TOTAL** | **964** | **1,034** | **7%** | **8%** | **13,500** |
| South Leg | Inbound | 544 | 760 | | | |
| South Leg | Outbound | 670 | 511 | | | |
| **South Leg** | **TOTAL** | **1,214** | **1,271** | **7%** | **7%** | **17,100** |
| East Leg | Inbound | 819 | 897 | | | |
| East Leg | Outbound | 1,050 | 1,208 | | | |
| **East Leg** | **TOTAL** | **1,869** | **2,105** | **7%** | **8%** | **26,300** |
| West Leg | Inbound | 1,146 | 1,423 | | | |
| West Leg | Outbound | 1,191 | 1,167 | | | |
| **West Leg** | **TOTAL** | **2,337** | **2,590** | **7%** | **7%** | **35,700** |
| ***OVERALL TOTAL*** | | ***6,384*** | ***7,000*** | ***7%*** | ***8%*** | ***92,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A24 Antelope_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Menifee Rd (NS) / Pinacate Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | **31** | **172** | **121** | | |
| | | < | v | > | | |
| **45** | ^ | | | | ^ | **82** |
| **701** | > | | | | < | **881** |
| **138** | v | | | | v | **359** |
| | | < | ^ | > | | |
| | | **166** | **144** | **459** | | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **112** | **268** | | |
| | | | v | ^ | | |
| **898** | < | IN | = | 2185 | < | **1052** |
| **652** | > | OUT | = | 2185 | > | **847** |
| | | | v | ^ | | |
| | | | **172** | **369** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | **811** | **1057** | | |
| | | | v | ^ | | |
| **1777** | < | IN | = | 5553 | < | **1653** |
| **1755** | > | OUT | = | 5553 | > | **1957** |
| | | | v | ^ | | |
| | | | **762** | **1334** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **6,700** | | | |
| | | | N | | | |
| **23,300** | W | | **LEG** | | E | **26,300** |
| | | | S | | | |
| | | | **12,000** | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **23,700** | | | |
| | | | N | | | |
| **52,300** | W | | **LEG** | | E | **52,300** |
| | | | S | | | |
| | | | **30,000** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | **31** | **134** | **52** | | |
| | | < | v | > | | |
| **52** | ^ | | | | ^ | **75** |
| **846** | > | | | | < | **584** |
| **122** | v | | | | v | **198** |
| | | < | ^ | > | | |
| | | **92** | **152** | **191** | | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **324** | **171** | | |
| | | | v | ^ | | |
| **875** | < | IN | = | 2570 | < | **1016** |
| **1023** | > | OUT | = | 2570 | > | **1129** |
| | | | v | ^ | | |
| | | | **395** | **207** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **1581** | **1032** | | |
| | | | v | ^ | | |
| **1922** | < | IN | = | 6618 | < | **2135** |
| **1900** | > | OUT | = | 6617 | > | **2077** |
| | | | v | ^ | | |
| | | | **1586** | **1002** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | 6,700 | | | |
| | | | N | | | |
| 23,300 | W | | + | | E | 26,300 |
| | | | S | | | |
| | | | 12,000 | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | 23,700 | | | |
| | | | N | | | |
| 52,300 | W | | + | | E | 52,300 |
| | | | S | | | |
| | | | 30,000 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A25 Menifee_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 324 | 271 | |
| | | v | ^ | |
| 1078 < | IN = | 3299 | < | 1322 |
| 884 > | OUT = | 3299 | > | 1281 |
| | | v | ^ | |
| | | 669 | 769 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 700 | 790 | |
| | | v | ^ | |
| 880 < | | | < | 600 |
| 1100 > | | | > | 1110 |
| | | v | ^ | |
| | | 590 | 970 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 700 | 790 | |
| | | v | ^ | |
| 880 < | | | < | 600 |
| 1100 > | | | > | 1110 |
| | | v | ^ | |
| | | 590 | 970 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1020 | 1060 | |
| | | v | ^ | |
| 1960 < | IN = | 6660 | < | 1920 |
| 1980 > | OUT = | 6670 | > | 2390 |
| | | v | ^ | * |
| | | 1260 | 1740 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 217 | 279 | |
| | | v | ^ | |
| 707 < | IN = | 2529 | < | 857 |
| 1020 > | OUT = | 2529 | > | 1089 |
| | | v | ^ | |
| | | 454 | 435 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| MUL < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 843 | 860 | |
| | | v | ^ | |
| 843 < | | | < | 943 |
| 870 > | | | > | 911 |
| | | v | ^ | |
| | | 1190 | 800 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 840 | 860 | |
| | | v | ^ | |
| 840 < | | | < | 940 |
| 870 > | | | > | 910 |
| | | v | ^ | |
| | | 1190 | 800 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1060 | 1140 | |
| | | v | ^ | |
| 1550 < | IN = | 5990 | < | 1800 |
| 1890 > | OUT = | 6330 | > | 2000 |
| | | v | ^ | * |
| | | 1640 | 1240 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A25 Menifee_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 166 | 452 | 286 | 172% | 92 | 246 | 154 | 167% |
| | Through | 144 | 609 | 465 | 323% | 152 | 686 | 534 | 351% |
| | Right | 459 | 681 | 222 | 48% | 191 | 378 | 187 | 98% |
| | NB Total | 769 | 1,742 | 973 | 127% | 435 | 1,310 | 875 | 201% |
| SOUTH BOUND | Left | 121 | 318 | 197 | 163% | 52 | 181 | 129 | 248% |
| | Through | 172 | 554 | 382 | 222% | 134 | 793 | 659 | 492% |
| | Right | 31 | 149 | 118 | 381% | 31 | 146 | 115 | 371% |
| | SB Total | 324 | 1,021 | 697 | 215% | 217 | 1,120 | 903 | 416% |
| EAST BOUND | Left | 45 | 254 | 209 | 464% | 52 | 202 | 150 | 288% |
| | Through | 701 | 1,391 | 690 | 98% | 846 | 1,441 | 595 | 70% |
| | Right | 138 | 336 | 198 | 143% | 122 | 353 | 231 | 189% |
| | EB Total | 884 | 1,981 | 1,097 | 124% | 1,020 | 1,996 | 976 | 96% |
| WEST BOUND | Left | 359 | 370 | 11 | 3% | 198 | 494 | 296 | 149% |
| | Through | 881 | 1,359 | 478 | 54% | 584 | 1,158 | 574 | 98% |
| | Right | 82 | 196 | 114 | 139% | 75 | 252 | 177 | 236% |
| | WB Total | 1,322 | 1,925 | 603 | 46% | 857 | 1,904 | 1,047 | 122% |
| TOTAL ENTERING VOLUME | | 3,299 | 6,669 | 3370 | 102% | 2,529 | 6,330 | 3801 | 150% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,021 | 1,120 | | | |
| North Leg | Outbound | 1,059 | 1,140 | | | |
| **North Leg** | **TOTAL** | **2,080** | **2,260** | **9%** | **10%** | **23,700** |
| | | | | | | |
| South Leg | Inbound | 1,742 | 1,310 | | | |
| South Leg | Outbound | 1,260 | 1,640 | | | |
| **South Leg** | **TOTAL** | **3,002** | **2,950** | **10%** | **10%** | **30,000** |
| | | | | | | |
| East Leg | Inbound | 1,925 | 1,904 | | | |
| East Leg | Outbound | 2,390 | 2,000 | | | |
| **East Leg** | **TOTAL** | **4,315** | **3,904** | **8%** | **7%** | **52,300** |
| | | | | | | |
| West Leg | Inbound | 1,981 | 1,996 | | | |
| West Leg | Outbound | 1,960 | 1,550 | | | |
| **West Leg** | **TOTAL** | **3,941** | **3,546** | **8%** | **7%** | **52,300** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***13,338*** | ***12,660*** | **8%** | ***8%*** | ***158,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A25 Menifee_Pinacate.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 24, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP RCIP | <=== | | |

LOCATION: **Menifee Rd (NS) / McCall Bl (EW)**

## AM PEAK HOUR

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **397** | **120** | **52** | | |
| | | < | v | > | | |
| **451** | ^ | | | | ^ | **64** |
| **257** | > | | | | < | **242** |
| **120** | v | | | | v | **1** |
| | | < | ^ | > | | |
| | | **142** | **96** | **3** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **189** | **533** | | |
| | | | v | ^ | | |
| **178** | < | IN | = | 817 | < | **86** |
| **235** | > | OUT | = | 817 | > | **20** |
| | | | v | ^ | | |
| | | | **86** | **307** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **970** | **1712** | | |
| | | | v | ^ | | |
| **501** | < | IN | = | 3533 | < | **1234** |
| **665** | > | OUT | = | 3532 | > | **869** |
| | | | v | ^ | | |
| | | | **450** | **664** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **11,000** | | | |
| | | | N | | | |
| **13,700** | W | | **LEG** | | E | **4,000** |
| | | | S | | | |
| | | | **6,400** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **35,000** | | | |
| | | | N | | | |
| **22,700** | W | | **LEG** | | E | **29,000** |
| | | | S | | | |
| | | | **15,400** | | | |

## PM PEAK HOUR

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **238** | **122** | **35** | | |
| | | < | v | > | | |
| **294** | ^ | | | | ^ | **25** |
| **147** | > | | | | < | **89** |
| **155** | v | | | | v | **1** |
| | | < | ^ | > | | |
| | | **94** | **97** | **1** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **542** | **316** | | |
| | | | v | ^ | | |
| **221** | < | IN | = | 1015 | < | **33** |
| **292** | > | OUT | = | 1015 | > | **95** |
| | | | v | ^ | | |
| | | | **383** | **148** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **2193** | **1435** | | |
| | | | v | ^ | | |
| **776** | < | IN | = | 4715 | < | **1235** |
| **685** | > | OUT | = | 4714 | > | **1515** |
| | | | v | ^ | | |
| | | | **988** | **602** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 11,000 | | | |
| | | | N | | | |
| 13,700 | W | | + | | E | 4,000 |
| | | | S | | | |
| | | | 6,400 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 35,000 | | | |
| | | | N | | | |
| 22,700 | W | | + | | E | 29,000 |
| | | | S | | | |
| | | | 15,400 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A26 Menifee_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Menifee Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 569 | 611 | |
| | | v | ^ | |
| 781 < | IN = | 1945 | < | 307 |
| 828 > | OUT = | 1945 | > | 312 |
| | | v | ^ | |
| | | 241 | 241 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 780 | 1180 | |
| | | v | ^ | |
| 320 < | | | < | 1150 |
| 430 > | | | > | 850 |
| | | v | ^ | |
| | | 360 | 279 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 780 | 1180 | |
| | | v | ^ | |
| 320 < | | | < | 1150 |
| 430 > | | | > | 850 |
| | | v | ^ | |
| | | 360 | 280 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1350 | 1790 | |
| | | v | ^ | |
| 1100 < | IN = | 4590 | < | 1460 |
| 1260 > | OUT = | 4650 | > | 1160 |
| | | v | ^ | * |
| | | 600 | 520 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 395 | 416 | |
| | | v | ^ | |
| 421 < | IN = | 1298 | < | 115 |
| 596 > | OUT = | 1298 | > | 183 |
| | | v | ^ | |
| | | 278 | 192 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 1205 | 1120 | |
| | | v | ^ | |
| 560 < | | | < | 1200 |
| 390 > | | | > | 1420 |
| | | v | ^ | |
| | | 442 | 450 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 1210 | 1120 | |
| | | v | ^ | |
| 560 < | | | < | 1200 |
| 390 > | | | > | 1420 |
| | | v | ^ | |
| | | 440 | 450 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1610 | 1540 | |
| | | v | ^ | |
| 980 < | IN = | 4560 | < | 1320 |
| 990 > | OUT = | 4840 | > | 1600 |
| | | v | ^ | * |
| | | 720 | 640 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A26 Menifee_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Menifee Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 142 | 110 | -32 | -23% | 94 | 115 | 21 | 22% |
| | Through | 96 | 392 | 296 | 308% | 97 | 529 | 432 | 445% |
| | Right | 3 | 24 | 21 | 700% | 1 | 29 | 28 | 2800% |
| | NB Total | 241 | 526 | 285 | 118% | 192 | 673 | 481 | 251% |
| SOUTH BOUND | Left | 52 | 518 | 466 | 896% | 35 | 898 | 863 | 2466% |
| | Through | 120 | 475 | 355 | 296% | 122 | 563 | 441 | 361% |
| | Right | 397 | 376 | -21 | -5% | 238 | 260 | 22 | 9% |
| | SB Total | 569 | 1,369 | 800 | 141% | 395 | 1,721 | 1,326 | 336% |
| EAST BOUND | Left | 451 | 544 | 93 | 21% | 294 | 255 | -39 | -13% |
| | Through | 257 | 618 | 361 | 140% | 147 | 673 | 526 | 358% |
| | Right | 120 | 115 | -5 | -4% | 155 | 128 | -27 | -17% |
| | EB Total | 828 | 1,277 | 449 | 54% | 596 | 1,056 | 460 | 77% |
| WEST BOUND | Left | 1 | 11 | 10 | 1000% | 1 | 29 | 28 | 2800% |
| | Through | 242 | 613 | 371 | 153% | 89 | 605 | 516 | 580% |
| | Right | 64 | 854 | 790 | 1234% | 25 | 756 | 731 | 2924% |
| | WB Total | 307 | 1,478 | 1,171 | 381% | 115 | 1,390 | 1,275 | 1109% |
| TOTAL ENTERING VOLUME | | 1,945 | 4,650 | 2705 | 139% | 1,298 | 4,840 | 3542 | 273% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,369 | 1,721 | | | |
| North Leg | Outbound | 1,790 | 1,540 | | | |
| **North Leg** | **TOTAL** | **3,159** | **3,261** | **9%** | **9%** | **35,000** |
| South Leg | Inbound | 526 | 673 | | | |
| South Leg | Outbound | 601 | 720 | | | |
| **South Leg** | **TOTAL** | **1,127** | **1,393** | **7%** | **9%** | **15,400** |
| East Leg | Inbound | 1,478 | 1,390 | | | |
| East Leg | Outbound | 1,160 | 1,600 | | | |
| **East Leg** | **TOTAL** | **2,638** | **2,990** | **9%** | **10%** | **29,000** |
| West Leg | Inbound | 1,277 | 1,056 | | | |
| West Leg | Outbound | 1,099 | 980 | | | |
| **West Leg** | **TOTAL** | **2,376** | **2,036** | **10%** | **9%** | **22,700** |
| ***OVERALL TOTAL*** | | ***9,300*** | ***9,680*** | **9%** | ***9%*** | ***102,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A26 Menifee_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Menifee Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **308** | **69** | **40** | | |
| | | < | v | > | | |
| **218** | ^ | | | | ^ | **40** |
| **510** | > | | | | < | **816** |
| **99** | v | | | | v | **117** |
| | | < | ^ | > | | |
| | | **136** | **60** | **122** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **125** | **158** | | |
| | | | v | ^ | | |
| **789** | < | IN = | 2292 | < | | **784** |
| **902** | > | OUT = | 2292 | > | | **1201** |
| | | | v | ^ | | |
| | | | **144** | **481** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **568** | **605** | | |
| | | | v | ^ | | |
| **749** | < | IN = | 2780 | < | | **658** |
| **900** | > | OUT = | 2780 | > | | **922** |
| | | | v | ^ | | |
| | | | **504** | **654** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **6,000** | | | |
| | | | N | | | |
| **34,200** | W | | **LEG** | E | | **24,700** |
| | | | S | | | |
| | | | **8,300** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **16,000** | | | |
| | | | N | | | |
| **34,200** | W | | **LEG** | E | | **24,700** |
| | | | S | | | |
| | | | **17,300** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **126** | **36** | **15** | | |
| | | < | v | > | | |
| **196** | ^ | | | | ^ | **18** |
| **885** | > | | | | < | **669** |
| **100** | v | | | | v | **113** |
| | | < | ^ | > | | |
| | | **95** | **54** | **131** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **221** | **146** | | |
| | | | v | ^ | | |
| **939** | < | IN = | 2695 | < | | **1240** |
| **1044** | > | OUT = | 2695 | > | | **1051** |
| | | | v | ^ | | |
| | | | **559** | **190** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **985** | **719** | | |
| | | | v | ^ | | |
| **983** | < | IN = | 3710 | < | | **1079** |
| **959** | > | OUT = | 3711 | > | | **898** |
| | | | v | ^ | | |
| | | | **1111** | **687** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 6,000 | | | |
| | | | N | | | |
| 34,200 | W | | + | E | | 24,700 |
| | | | S | | | |
| | | | 8,300 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 16,000 | | | |
| | | | N | | | |
| 34,200 | W | | + | E | | 24,700 |
| | | | S | | | |
| | | | 17,300 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A27 Menifee_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Newport Rd (EW)

**Menifee Rd (NS) / Newport Rd (EW)**

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | | | | | PM | | | | |
|---|---|---|---|---|---|---|---|---|---|
| EXISTING COUNT YEAR: | | | | | EXISTING COUNT YEAR: | | | | |
| 2012 | | 417 | 318 | | 2012 | | 177 | 268 | |
| | | v | ^ | | | | v | ^ | |
| | 1260 < | IN = | 2535 < | 973 | | 890 < | IN = | 2438 < | 800 |
| | 827 > | OUT = | 2535 > | 672 | | 1181 > | OUT = | 2438 > | 1031 |
| | | v | ^ | | | | v | ^ | |
| | | 285 | 318 | | | | 249 | 280 | |
| GROWTH CALCULATION DECISION RULE | | | | | | | | | |
| MIN = Minimum Count Growth Approach | | | | | MIN = Minimum Count Growth Approach | | | | |
| ADD = Additive (Growth Increment) Approach | | ADD | ADD | | ADD = Additive (Growth Increment) Approach | | MUL | ADD | |
| MUL = Multiplicative (Ratio) Approach | | v | ^ | | MUL = Multiplicative (Ratio) Approach | | v | ^ | |
| | MIN < | | | < MIN | | MUL < | | | < MIN |
| | MUL > | | | > MIN | | MIN > | | | > MIN |
| | | v | ^ | | | | v | ^ | |
| | | ADD | MUL | | | | MUL | ADD | |
| MINIMUM GROWTH %s 2012 TO 2035 | | | | | | | | | |
| | | 0% | 0% | | | | 0% | 0% | |
| | | v | ^ | | | | v | ^ | |
| | 0% < | | | < 0% | | 0% < | | | < 0% |
| | 0% > | | | > 0% | | 0% > | | | > 0% |
| | | v | ^ | | | | v | ^ | |
| | | 0% | 0% | | | | 0% | 0% | |
| REFINED GROWTH: 2012 TO 2035 | | | | | ADJUSTED GROWTH: 2012 TO 2035 | | | | |
| | | 440 | 450 | | | | 613 | 570 | |
| | | v | ^ | | | | v | ^ | |
| | 0 < | | | < 0 | | 40 < | | | < 0 |
| | 3 > | | | > 0 | | 0 > | | | > 0 |
| | | v | ^ | | | | v | ^ | |
| | | 360 | 112 | | | | 241 | 500 | |
| PRORATED GROWTH: 2012 TO 2035 | | | | | PRORATED GROWTH: 2012 TO 2035 | | | | |
| 23 YEARS | | 440 | 450 | | 23 YEARS | | 610 | 570 | |
| | #### | v | ^ | # | | | v | ^ | |
| | 0 < | | | < 0 | | 40 < | | | < 0 |
| | 0 > | | | > 0 | | 0 > | | | > 0 |
| | | v | ^ | | | | v | ^ | |
| | | 360 | 110 | | | | 240 | 500 | |
| NEW PROJECTED VOLUMES: 2035 | | | | | NEW PROJECTED VOLUMES: 2035 | | | | |
| | | 860 | 770 | | | | 790 | 906 | |
| | | v | ^ | | | | v | ^ | |
| | 1260 < | IN = | 3090 < | 970 | | 1003 < | IN = | 3550 < | 800 |
| | 830 > | OUT = | 3350 > | 670 | | 1180 > | OUT = | 3550 > | 1111 |
| | | v | ^ | * | | | v | ^ | * |
| | | 650 | 430 | | | | 529 | 780 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A27 Menifee_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**Menifee Rd (NS) / Newport Rd (EW)**

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 136 | 99 | -37 | -27% | 95 | 95 | 0 | 0% |
| | Through | 60 | 205 | 145 | 242% | 54 | 376 | 322 | 596% |
| | Right | 122 | 164 | 42 | 34% | 131 | 315 | 184 | 140% |
| | NB Total | 318 | 468 | 150 | 47% | 280 | 786 | 506 | 181% |
| SOUTH BOUND | Left | 40 | 123 | 83 | 208% | 15 | 116 | 101 | 673% |
| | Through | 69 | 299 | 230 | 333% | 36 | 263 | 227 | 631% |
| | Right | 308 | 509 | 201 | 65% | 126 | 404 | 278 | 221% |
| | SB Total | 417 | 931 | 514 | 123% | 177 | 783 | 606 | 342% |
| EAST BOUND | Left | 218 | 415 | 197 | 90% | 196 | 436 | 240 | 122% |
| | Through | 510 | 383 | -127 | -25% | 885 | 681 | -204 | -23% |
| | Right | 99 | 105 | 6 | 6% | 100 | 73 | -27 | -27% |
| | EB Total | 827 | 903 | 76 | 9% | 1,181 | 1,190 | 9 | 1% |
| WEST BOUND | Left | 117 | 246 | 129 | 110% | 113 | 193 | 80 | 71% |
| | Through | 816 | 653 | -163 | -20% | 669 | 504 | -165 | -25% |
| | Right | 40 | 151 | 111 | 278% | 18 | 94 | 76 | 422% |
| | WB Total | 973 | 1,050 | 77 | 8% | 800 | 791 | -9 | -1% |
| TOTAL ENTERING VOLUME | | 2,535 | 3,352 | 817 | 32% | 2,438 | 3,550 | 1112 | 46% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 931 | 783 | | | |
| North Leg | Outbound | 771 | 906 | | | |
| **North Leg** | **TOTAL** | **1,702** | **1,689** | **11%** | **11%** | **16,000** |
| South Leg | Inbound | 468 | 786 | | | |
| South Leg | Outbound | 650 | 529 | | | |
| **South Leg** | **TOTAL** | **1,118** | **1,315** | **6%** | **8%** | **17,300** |
| East Leg | Inbound | 1,050 | 791 | | | |
| East Leg | Outbound | 670 | 1,112 | | | |
| **East Leg** | **TOTAL** | **1,720** | **1,903** | **7%** | **8%** | **24,700** |
| West Leg | Inbound | 903 | 1,190 | | | |
| West Leg | Outbound | 1,261 | 1,003 | | | |
| **West Leg** | **TOTAL** | **2,164** | **2,193** | **6%** | **6%** | **34,200** |
| ***OVERALL TOTAL*** | | ***6,704*** | ***7,100*** | ***7%*** | ***8%*** | ***92,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A27 Menifee_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Menifee Rd (NS) / Holland Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **88 149 38** | 2012 **43 122 21** |
| < v > | < v > |
| **88** ^ ^ **70** | **42** ^ ^ **37** |
| **87** > < **131** | **88** > < **59** |
| **14** v v **101** | **52** v v **11** |
| < ^ > | < ^ > |
| **30 191 108** | **16 251 14** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **123 524** | 2012 **680 185** |
| v ^ | v ^ |
| **76** < IN = 745 < **29** | **217** < IN = 1037 < **29** |
| **249** > OUT = 744 > **20** | **153** > OUT = 1038 > **43** |
| v ^ | v ^ |
| **124 344** | **593 175** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **489 677** | 2035 **1153 698** |
| v ^ | v ^ |
| **463** < IN = 1652 < **284** | **793** < IN = 2381 < **243** |
| **429** > OUT = 1652 > **192** | **559** > OUT = 2381 > **324** |
| v ^ | v ^ |
| **320 450** | **566 426** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,000** | 2012 7,000 |
| N | N |
| **4,400** W **LEG** E **3,100** | 4,400 W + E 3,100 |
| S | S |
| **6,500** | 6,500 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **16,000** | 2035 16,000 |
| N | N |
| **14,400** W **LEG** E **8,100** | 14,400 W + E 8,100 |
| S | S |
| **9,500** | 9,500 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A28 Menifee_Holland.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Menifee Rd (NS) / Holland Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 275 | 349 | |
| | | v | ^ | |
| 249 | < IN | = | 1095 | < 302 |
| 189 | > OUT | = | 1095 | > 233 |
| | | v | ^ | |
| | | 264 | 329 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| MUL | > | | | > ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 370 | 101 | |
| | | v | ^ | |
| 390 | < | | | < 260 |
| 141 | > | | | > 170 |
| | | v | ^ | |
| | | 200 | 101 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 370 | 100 | |
| | | v | ^ | |
| 390 | < | | | < 260 |
| 140 | > | | | > 170 |
| | | v | ^ | |
| | | 200 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 650 | 455 | |
| | | v | ^ | |
| 647 | < IN | = | 1970 | < 560 |
| 330 | > OUT | = | 1970 | > 404 |
| | | v | ^ | * |
| | | 465 | 430 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 186 | 330 | |
| | | v | ^ | |
| 118 | < IN | = | 756 | < 107 |
| 182 | > OUT | = | 756 | > 123 |
| | | v | ^ | |
| | | 185 | 281 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| MUL | < | | | < ADD |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 134 | 510 | |
| | | v | ^ | |
| 312 | < | | | < 210 |
| 410 | > | | | > 280 |
| | | v | ^ | |
| | | 0 | 250 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 130 | 510 | |
| | | v | ^ | |
| 310 | < | | | < 210 |
| 410 | > | | | > 280 |
| | | v | ^ | |
| | | 0 | 250 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 320 | 840 | |
| | | v | ^ | |
| 430 | < IN | = | 1760 | < 320 |
| 590 | > OUT | = | 1860 | > 400 |
| | | v | ^ | * |
| | | 190 | 530 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A28 Menifee_Holland.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Menifee Rd (NS) / Holland Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 30 | 59 | 29 | 97% | 16 | 38 | 22 | 138% |
| | Through | 191 | 219 | 28 | 15% | 251 | 503 | 252 | 100% |
| | Right | 108 | 152 | 44 | 41% | 14 | 20 | 6 | 43% |
| | NB Total | 329 | 430 | 101 | 31% | 281 | 561 | 280 | 100% |
| SOUTH BOUND | Left | 38 | 85 | 47 | 124% | 21 | 51 | 30 | 143% |
| | Through | 149 | 291 | 142 | 95% | 122 | 110 | -12 | -10% |
| | Right | 88 | 275 | 187 | 213% | 43 | 177 | 134 | 312% |
| | SB Total | 275 | 651 | 376 | 137% | 186 | 338 | 152 | 82% |
| EAST BOUND | Left | 88 | 138 | 50 | 57% | 42 | 223 | 181 | 431% |
| | Through | 87 | 168 | 81 | 93% | 88 | 329 | 241 | 274% |
| | Right | 14 | 24 | 10 | 71% | 52 | 71 | 19 | 37% |
| | EB Total | 189 | 330 | 141 | 75% | 182 | 623 | 441 | 242% |
| WEST BOUND | Left | 101 | 150 | 49 | 49% | 11 | 9 | -2 | -18% |
| | Through | 131 | 313 | 182 | 139% | 59 | 215 | 156 | 264% |
| | Right | 70 | 97 | 27 | 39% | 37 | 114 | 77 | 208% |
| | WB Total | 302 | 560 | 258 | 85% | 107 | 338 | 231 | 216% |
| TOTAL ENTERING VOLUME | | 1,095 | 1,971 | 876 | 80% | 756 | 1,860 | 1104 | 146% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 651 | 338 | | | |
| North Leg | Outbound | 454 | 840 | | | |
| **North Leg** | **TOTAL** | **1,105** | **1,178** | **7%** | **7%** | **16,000** |
| | | | | | | |
| South Leg | Inbound | 430 | 561 | | | |
| South Leg | Outbound | 465 | 190 | | | |
| **South Leg** | **TOTAL** | **895** | **751** | **9%** | **8%** | **9,500** |
| | | | | | | |
| East Leg | Inbound | 560 | 338 | | | |
| East Leg | Outbound | 405 | 400 | | | |
| **East Leg** | **TOTAL** | **965** | **738** | **12%** | **9%** | **8,100** |
| | | | | | | |
| West Leg | Inbound | 330 | 623 | | | |
| West Leg | Outbound | 647 | 430 | | | |
| **West Leg** | **TOTAL** | **977** | **1,053** | **7%** | **7%** | **14,400** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***3,942*** | ***3,720*** | **8%** | ***8%*** | ***48,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A28 Menifee_Holland.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Menifee Rd (NS) / Garbani Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **23** | **206** | **8** | | |
| | | < | v | > | | |
| **9** | ^ | | | | ^ | **8** |
| **10** | > | | | | < | **21** |
| **22** | v | | | | v | **32** |
| | | < | ^ | > | | |
| | | **10** | **169** | **19** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **143** | **286** | | |
| | | | v | ^ | | |
| **2** | < | IN = | | 449 | < | **117** |
| **3** | > | OUT = | | 449 | > | **86** |
| | | | v | ^ | | |
| | | | **75** | **186** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **312** | **367** | | |
| | | | v | ^ | | |
| **307** | < | IN = | | 1750 | < | **352** |
| **358** | > | OUT = | | 1750 | > | **659** |
| | | | v | ^ | | |
| | | | **417** | **728** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **6,300** | | | |
| | | | N | | | |
| **1,100** | W | | **LEG** | | E | **1,100** |
| | | | S | | | |
| | | | **6,900** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **9,300** | | | |
| | | | N | | | |
| **7,100** | W | | **LEG** | | E | **8,100** |
| | | | S | | | |
| | | | **15,900** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **15** | **133** | **9** | | |
| | | < | v | > | | |
| **7** | ^ | | | | ^ | **9** |
| **8** | > | | | | < | **11** |
| **14** | v | | | | v | **16** |
| | | < | ^ | > | | |
| | | **26** | **294** | **26** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **541** | **162** | | |
| | | | v | ^ | | |
| **4** | < | IN = | | 735 | < | **78** |
| **4** | > | OUT = | | 734 | > | **291** |
| | | | v | ^ | | |
| | | | **277** | **112** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **478** | **392** | | |
| | | | v | ^ | | |
| **476** | < | IN = | | 2152 | < | **664** |
| **330** | > | OUT = | | 2152 | > | **471** |
| | | | v | ^ | | |
| | | | **813** | **680** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 6,300 | | | |
| | | | N | | | |
| 1,100 | W | | + | | E | 1,100 |
| | | | S | | | |
| | | | 6,900 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 9,300 | | | |
| | | | N | | | |
| 7,100 | W | | + | | E | 8,100 |
| | | | S | | | |
| | | | 15,900 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A29 Menifee_Garbani.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 237 | 186 | |
| | | v | ^ | |
| 54 | < IN = | 537 | < | 61 |
| 41 | > OUT = | 537 | > | 37 |
| | | v | ^ | |
| | | 260 | 198 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | MUL |
| ADD | > | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 170 | 54 | |
| | | v | ^ | |
| 310 | < | | < | 119 |
| 360 | > | | > | 243 |
| | | v | ^ | |
| | | 340 | 540 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 170 | 50 | |
| | | v | ^ | |
| 310 | < | | < | 120 |
| 360 | > | | > | 240 |
| | | v | ^ | |
| | | 340 | 540 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 410 | 281 | |
| | | v | ^ | |
| 421 | < IN = | 1730 | < | 180 |
| 400 | > OUT = | 1730 | > | 327 |
| | | v | ^ | * |
| | | 701 | 740 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 157 | 310 | |
| | | v | ^ | |
| 52 | < IN = | 568 | < | 36 |
| 29 | > OUT = | 568 | > | 43 |
| | | v | ^ | |
| | | 163 | 346 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| ADD | < | | < | MUL |
| ADD | > | | > | MUL |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 230 | |
| | | v | ^ | |
| 470 | < | | < | 274 |
| 330 | > | | > | 27 |
| | | v | ^ | |
| | | 317 | 570 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 230 | |
| | | v | ^ | |
| 470 | < | | < | 270 |
| 330 | > | | > | 30 |
| | | v | ^ | |
| | | 320 | 570 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 160 | 587 | |
| | | v | ^ | |
| 565 | < IN = | 1750 | < | 310 |
| 360 | > OUT = | 1750 | > | 76 |
| | | v | ^ | * |
| | | 522 | 920 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A29 Menifee_Garbani.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 10 | 255 | 245 | 2450% | 26 | 355 | 329 | 1265% |
| | Through | 169 | 265 | 96 | 57% | 294 | 526 | 232 | 79% |
| | Right | 19 | 213 | 194 | 1021% | 26 | 36 | 10 | 38% |
| | NB Total | 198 | 733 | 535 | 270% | 346 | 917 | 571 | 165% |
| SOUTH BOUND | Left | 8 | 10 | 2 | 25% | 9 | 2 | -7 | -78% |
| | Through | 206 | 335 | 129 | 63% | 133 | 126 | -7 | -5% |
| | Right | 23 | 68 | 45 | 196% | 15 | 33 | 18 | 120% |
| | SB Total | 237 | 413 | 176 | 74% | 157 | 161 | 4 | 3% |
| EAST BOUND | Left | 9 | 13 | 4 | 44% | 7 | 42 | 35 | 500% |
| | Through | 10 | 104 | 94 | 940% | 8 | 38 | 30 | 375% |
| | Right | 22 | 286 | 264 | 1200% | 14 | 282 | 268 | 1914% |
| | EB Total | 41 | 403 | 362 | 883% | 29 | 362 | 333 | 1148% |
| WEST BOUND | Left | 32 | 81 | 49 | 153% | 16 | 113 | 97 | 606% |
| | Through | 21 | 97 | 76 | 362% | 11 | 178 | 167 | 1518% |
| | Right | 8 | 2 | -6 | -75% | 9 | 19 | 10 | 111% |
| | WB Total | 61 | 180 | 119 | 195% | 36 | 310 | 274 | 761% |
| TOTAL ENTERING VOLUME | | 537 | 1,729 | 1192 | 222% | 568 | 1,750 | 1182 | 208% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 413 | 161 | | | |
| North Leg | Outbound | 280 | 587 | | | |
| **North Leg** | **TOTAL** | **693** | **748** | **7%** | **8%** | **9,300** |
| South Leg | Inbound | 733 | 917 | | | |
| South Leg | Outbound | 702 | 521 | | | |
| **South Leg** | **TOTAL** | **1,435** | **1,438** | **9%** | **9%** | **15,900** |
| East Leg | Inbound | 180 | 310 | | | |
| East Leg | Outbound | 327 | 76 | | | |
| **East Leg** | **TOTAL** | **507** | **386** | **6%** | **5%** | **8,100** |
| West Leg | Inbound | 403 | 362 | | | |
| West Leg | Outbound | 420 | 566 | | | |
| **West Leg** | **TOTAL** | **823** | **928** | **12%** | **13%** | **7,100** |
| ***OVERALL TOTAL*** | | ***3,458*** | ***3,500*** | **9%** | ***9%*** | ***40,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A29 Menifee_Garbani.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Menifee Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **98** **102** **77** | 2012 **68** **52** **46** |
| < v > | < v > |
| **42** ^ ^ **75** | **179** ^ ^ **87** |
| **353** > < **476** | **593** > < **454** |
| **41** v v **73** | **175** v v **46** |
| < ^ > | < ^ > |
| **125** **60** **81** | **109** **60** **48** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **90** **150** | 2012 **233** **124** |
| v ^ | v ^ |
| **488** < IN = 1120 < **461** | **364** < IN = 1263 < **410** |
| **308** > OUT = 1120 > **419** | **514** > OUT = 1263 > **503** |
| v ^ | v ^ |
| **63** **261** | **272** **106** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **416** **719** | 2035 **818** **674** |
| v ^ | v ^ |
| **598** < IN = 3305 < **953** | **601** < IN = 3883 < **1402** |
| **771** > OUT = 3304 > **1447** | **701** > OUT = 3883 > **1335** |
| v ^ | v ^ |
| **540** **1165** | **1273** **962** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **6,400** | 2012 6,400 |
| N | N |
| **21,300** W **LEG** E **17,200** | 21,300 W + E 17,200 |
| S | S |
| **6,600** | 6,600 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **16,400** | 2035 16,400 |
| N | N |
| **25,300** W **LEG** E **32,200** | 25,300 W + E 32,200 |
| S | S |
| **21,600** | 21,600 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A30 Menifee_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Menifee Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 277 | 177 | |
| | | v | ^ | |
| 699 < | IN = | 1603 | < | 624 |
| 436 > | OUT = | 1603 | > | 511 |
| | | v | ^ | |
| | | 216 | 266 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 330 | 570 | |
| | | v | ^ | |
| 110 < | | | < | 490 |
| 460 > | | | > | 1030 |
| | | v | ^ | |
| | | 480 | 900 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 330 | 570 | |
| | | v | ^ | |
| 110 < | | | < | 490 |
| 460 > | | | > | 1030 |
| | | v | ^ | |
| | | 480 | 900 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 610 | 750 | |
| | | v | ^ | |
| 810 < | IN = | 3790 | < | 1110 |
| 900 > | OUT = | 3800 | > | 1540 |
| | | v | ^ | * |
| | | 700 | 1170 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 166 | 326 | |
| | | v | ^ | |
| 631 < | IN = | 1917 | < | 587 |
| 947 > | OUT = | 1917 | > | 687 |
| | | v | ^ | |
| | | 273 | 217 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 414 | 550 | |
| | | v | ^ | |
| 240 < | | | < | 990 |
| 190 > | | | > | 830 |
| | | v | ^ | |
| | | 1000 | 860 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 410 | 550 | |
| | | v | ^ | |
| 240 < | | | < | 990 |
| 190 > | | | > | 830 |
| | | v | ^ | |
| | | 1000 | 860 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 580 | 880 | |
| | | v | ^ | |
| 870 < | IN = | 4380 | < | 1580 |
| 1140 > | OUT = | 4540 | > | 1520 |
| | | v | ^ | * |
| | | 1270 | 1080 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A30 Menifee_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Menifee Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 125 | 222 | 97 | 78% | 109 | 195 | 86 | 79% |
| | Through | 60 | 381 | 321 | 535% | 60 | 361 | 301 | 502% |
| | Right | 81 | 570 | 489 | 604% | 48 | 564 | 516 | 1075% |
| | NB Total | 266 | 1,173 | 907 | 341% | 217 | 1,120 | 903 | 416% |
| SOUTH BOUND | Left | 77 | 232 | 155 | 201% | 46 | 210 | 164 | 357% |
| | Through | 102 | 305 | 203 | 199% | 52 | 344 | 292 | 562% |
| | Right | 98 | 75 | -23 | -23% | 68 | 47 | -21 | -31% |
| | SB Total | 277 | 612 | 335 | 121% | 166 | 601 | 435 | 262% |
| EAST BOUND | Left | 42 | 79 | 37 | 88% | 179 | 115 | -64 | -36% |
| | Through | 353 | 739 | 386 | 109% | 593 | 747 | 154 | 26% |
| | Right | 41 | 85 | 44 | 107% | 175 | 320 | 145 | 83% |
| | EB Total | 436 | 903 | 467 | 107% | 947 | 1,182 | 235 | 25% |
| WEST BOUND | Left | 73 | 309 | 236 | 323% | 46 | 605 | 559 | 1215% |
| | Through | 476 | 513 | 37 | 8% | 454 | 627 | 173 | 38% |
| | Right | 75 | 289 | 214 | 285% | 87 | 404 | 317 | 364% |
| | WB Total | 624 | 1,111 | 487 | 78% | 587 | 1,636 | 1,049 | 179% |
| TOTAL ENTERING VOLUME | | 1,603 | 3,799 | 2196 | 137% | 1,917 | 4,539 | 2622 | 137% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 612 | 601 | | | |
| North Leg | Outbound | 749 | 880 | | | |
| **North Leg** | **TOTAL** | **1,361** | **1,481** | **8%** | **9%** | **16,400** |
| South Leg | Inbound | 1,173 | 1,120 | | | |
| South Leg | Outbound | 699 | 1,269 | | | |
| **South Leg** | **TOTAL** | **1,872** | **2,389** | **9%** | **11%** | **21,600** |
| East Leg | Inbound | 1,111 | 1,636 | | | |
| East Leg | Outbound | 1,541 | 1,521 | | | |
| **East Leg** | **TOTAL** | **2,652** | **3,157** | **8%** | **10%** | **32,200** |
| West Leg | Inbound | 903 | 1,182 | | | |
| West Leg | Outbound | 810 | 869 | | | |
| **West Leg** | **TOTAL** | **1,713** | **2,051** | **7%** | **8%** | **25,300** |
| ***OVERALL TOTAL*** | | ***7,598*** | ***9,078*** | **8%** | ***10%*** | ***95,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A30 Menifee_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Lindenberger Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**214 0 33**
< v >
**147** ^ ^ **12**
**578** > < **721**
**0** v v **0**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**26 16**
v ^
**624** < IN = 1767 < **619**
**1122** > OUT = 1767 > **1127**
v ^
**0 0**

FUTURE MODEL YEAR:

**2035**

**7 6**
v ^
**658** < IN = 1593 < **664**
**922** > OUT = 1593 > **929**
v ^
**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**6,500**
N
**24,900** W **LEG** E **19,800**
S
**0**

REFINED FUTURE ADT'S BY LEG:

2035

**6,500**
N
**24,900** W **LEG** E **19,800**
S
**0**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**154 0 22**
< v >
**272** ^ ^ **31**
**799** > < **616**
**0** v v **0**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**26 29**
v ^
**1133** < IN = 2014 < **1131**
**857** > OUT = 2014 > **852**
v ^
**0 0**

FUTURE MODEL YEAR:

2035

**10 10**
v ^
**1079** < IN = 1996 < **1088**
**898** > OUT = 1996 > **907**
v ^
**0 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

6,500
N
24,900 W + E 19,800
S
0

REFINED FUTURE ADT'S BY LEG:

2035

6,500
N
24,900 W + E 19,800
S
0

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A31 Lindenberger_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 247 | 159 | |
| | | v | ^ | |
| 935 < | IN = | 1705 | < | 733 |
| 725 > | OUT = | 1705 | > | 611 |
| | | v | ^ | |
| | | 0 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MIN | > | | > | MIN |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 30 | < | | < | 50 |
| 0 | > | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 30 | < | | < | 50 |
| 0 | > | | > | 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 250 | 162 | |
| | | v | ^ | |
| 981 < | IN = | 1760 | < | 780 |
| 730 > | OUT = | 1760 | > | 617 |
| | | v | ^ | * |
| | | 0 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 176 | 303 | |
| | | v | ^ | |
| 770 < | IN = | 1894 | < | 647 |
| 1071 > | OUT = | 1894 | > | 821 |
| | | v | ^ | |
| | | 0 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| MIN | < | | < | MIN |
| ADD | > | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 0 |
| 40 | > | | > | 49 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 0 | < | | < | 0 |
| 40 | > | | > | 50 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 180 | 300 | |
| | | v | ^ | |
| 770 < | IN = | 1940 | < | 650 |
| 1110 > | OUT = | 1940 | > | 870 |
| | | v | ^ | * |
| | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A31 Lindenberger_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 33 | 34 | 1 | 3% | 22 | 24 | 2 | 9% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 214 | 215 | 1 | 0% | 154 | 155 | 1 | 1% |
| | SB Total | 247 | 249 | 2 | 1% | 176 | 179 | 3 | 2% |
| EAST BOUND | Left | 147 | 149 | 2 | 1% | 272 | 268 | -4 | -1% |
| | Through | 578 | 583 | 5 | 1% | 799 | 846 | 47 | 6% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 725 | 732 | 7 | 1% | 1,071 | 1,114 | 43 | 4% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 721 | 766 | 45 | 6% | 616 | 615 | -1 | 0% |
| | Right | 12 | 13 | 1 | 8% | 31 | 32 | 1 | 3% |
| | WB Total | 733 | 779 | 46 | 6% | 647 | 647 | 0 | 0% |
| TOTAL ENTERING VOLUME | | 1,705 | 1,760 | 55 | 3% | 1,894 | 1,940 | 46 | 2% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 249 | 179 | | | |
| North Leg | Outbound | 162 | 300 | | | |
| **North Leg** | **TOTAL** | **411** | **479** | **6%** | **7%** | **6,500** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| East Leg | Inbound | 779 | 647 | | | |
| East Leg | Outbound | 617 | 870 | | | |
| **East Leg** | **TOTAL** | **1,396** | **1,517** | **7%** | **8%** | **19,800** |
| West Leg | Inbound | 732 | 1,114 | | | |
| West Leg | Outbound | 981 | 770 | | | |
| **West Leg** | **TOTAL** | **1,713** | **1,884** | **7%** | **8%** | **24,900** |
| ***OVERALL TOTAL*** | | ***3,520*** | ***3,880*** | ***7%*** | ***8%*** | ***51,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A31 Lindenberger_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Briggs Rd (NS) / Pinacate Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **80** | **128** | **161** | |
| | | < | v | > | | |
| | **126** ^ | | | | ^ | **97** |
| | **557** > | | | | < | **837** |
| | **494** v | | | | v | **152** |
| | | < | ^ | > | | |
| | | | **351** | **130** | **101** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **26** | **14** | |
| | | | | v | ^ | |
| | **1046** | < | IN | = | 2041 < | **1069** |
| | **813** | > | OUT | = | 2041 > | **918** |
| | | | | v | ^ | |
| | | | | **63** | **133** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **112** | **127** | |
| | | | | v | ^ | |
| | **1620** | < | IN | = | 4020 < | **1736** |
| | **1924** | > | OUT | = | 4020 > | **1992** |
| | | | | v | ^ | |
| | | | | **281** | **248** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **3,900** | | |
| | | | N | | |
| | **31,500** | W | **LEG** | E | **28,700** |
| | | | S | | |
| | | | **5,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **6,900** | | |
| | | | N | | |
| | **56,500** | W | **LEG** | E | **54,700** |
| | | | S | | |
| | | | **9,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **59** | **28** | **72** | |
| | | < | v | > | | |
| | **60** ^ | | | | ^ | **32** |
| | **1149** > | | | | < | **790** |
| | **155** v | | | | v | **40** |
| | | < | ^ | > | | |
| | | | **117** | **40** | **41** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **21** | **31** | |
| | | | | v | ^ | |
| | **983** | < | IN | = | 2408 < | **1149** |
| | **1123** | > | OUT | = | 2407 > | **1194** |
| | | | | v | ^ | |
| | | | | **199** | **115** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **303** | **209** | |
| | | | | v | ^ | |
| | **2087** | < | IN | = | 4861 < | **2221** |
| | **2044** | > | OUT | = | 4862 > | **2246** |
| | | | | v | ^ | |
| | | | | **320** | **293** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 3,900 | | |
| | | | N | | |
| | 31,500 | W | + | E | 28,700 |
| | | | S | | |
| | | | 5,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 6,900 | | |
| | | | N | | |
| | 56,500 | W | + | E | 54,700 |
| | | | S | | |
| | | | 9,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A32 Briggs_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 369 | 353 | |
| | | v | ^ | |
| 1268 | < IN | = | 3214 | < 1086 |
| 1177 | > OUT | = | 3214 | > 819 |
| | | v | ^ | |
| | | 774 | 582 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > MUL |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 90 | 110 | |
| | | v | ^ | |
| 570 | < | | | < 670 |
| 1110 | > | | | > 961 |
| | | v | ^ | |
| | | 220 | 120 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 90 | 110 | |
| | | v | ^ | |
| 570 | < | | | < 670 |
| 1110 | > | | | > 960 |
| | | v | ^ | |
| | | 220 | 120 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 460 | 473 | |
| | | v | ^ | |
| 1891 | < IN | = | 5210 | < 1760 |
| 2290 | > OUT | = | 5210 | > 1829 |
| | | v | ^ | * |
| | | 1017 | 700 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 159 | 132 | |
| | | v | ^ | |
| 966 | < IN | = | 2583 | < 862 |
| 1364 | > OUT | = | 2583 | > 1262 |
| | | v | ^ | |
| | | 223 | 198 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| MUL | < | | | < MUL |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 280 | 180 | |
| | | v | ^ | |
| 1084 | < | | | < 808 |
| 920 | > | | | > 1050 |
| | | v | ^ | |
| | | 120 | 180 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 280 | 180 | |
| | | v | ^ | |
| 1080 | < | | | < 810 |
| 920 | > | | | > 1050 |
| | | v | ^ | |
| | | 120 | 180 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 440 | 310 | |
| | | v | ^ | |
| 2050 | < IN | = | 4770 | < 1670 |
| 2280 | > OUT | = | 5010 | > 2310 |
| | | v | ^ | * |
| | | 340 | 380 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A32 Briggs_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 351 | 399 | 48 | 14% | 117 | 234 | 117 | 100% |
| | Through | 130 | 132 | 2 | 2% | 40 | 93 | 53 | 133% |
| | Right | 101 | 168 | 67 | 66% | 41 | 73 | 32 | 78% |
| | NB Total | 582 | 699 | 117 | 20% | 198 | 400 | 202 | 102% |
| SOUTH BOUND | Left | 161 | 258 | 97 | 60% | 72 | 207 | 135 | 188% |
| | Through | 128 | 115 | -13 | -10% | 28 | 64 | 36 | 129% |
| | Right | 80 | 88 | 8 | 10% | 59 | 191 | 132 | 224% |
| | SB Total | 369 | 461 | 92 | 25% | 159 | 462 | 303 | 191% |
| EAST BOUND | Left | 126 | 195 | 69 | 55% | 60 | 139 | 79 | 132% |
| | Through | 557 | 1,404 | 847 | 152% | 1,149 | 2,030 | 881 | 77% |
| | Right | 494 | 695 | 201 | 41% | 155 | 218 | 63 | 41% |
| | EB Total | 1,177 | 2,294 | 1,117 | 95% | 1,364 | 2,387 | 1,023 | 75% |
| WEST BOUND | Left | 152 | 208 | 56 | 37% | 40 | 58 | 18 | 45% |
| | Through | 837 | 1,404 | 567 | 68% | 790 | 1,626 | 836 | 106% |
| | Right | 97 | 146 | 49 | 51% | 32 | 77 | 45 | 141% |
| | WB Total | 1,086 | 1,758 | 672 | 62% | 862 | 1,761 | 899 | 104% |
| TOTAL ENTERING VOLUME | | 3,214 | 5,212 | 1998 | 62% | 2,583 | 5,010 | 2427 | 94% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 461 | 462 | | | |
| North Leg | Outbound | 473 | 309 | | | |
| **North Leg** | **TOTAL** | **934** | **771** | **14%** | **11%** | **6,900** |
| South Leg | Inbound | 699 | 400 | | | |
| South Leg | Outbound | 1,018 | 340 | | | |
| **South Leg** | **TOTAL** | **1,717** | **740** | **18%** | **8%** | **9,700** |
| East Leg | Inbound | 1,758 | 1,761 | | | |
| East Leg | Outbound | 1,830 | 2,310 | | | |
| **East Leg** | **TOTAL** | **3,588** | **4,071** | **7%** | **7%** | **54,700** |
| West Leg | Inbound | 2,294 | 2,387 | | | |
| West Leg | Outbound | 1,891 | 2,051 | | | |
| **West Leg** | **TOTAL** | **4,185** | **4,438** | **7%** | **8%** | **56,500** |
| ***OVERALL TOTAL*** | | ***10,424*** | ***10,020*** | **8%** | ***8%*** | ***127,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A32 Briggs_Pinacate.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Menifee GP RCIP (No Project) | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 24, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP RCIP | <=== | |

LOCATION: **Briggs Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **27 5 4** | 2012 **17 1 5** |
| < v > | < v > |
| **12** ^ ^ **1** | **27** ^ ^ **2** |
| **440** > < **440** | **511** > < **471** |
| **40** v v **2** | **31** v v **2** |
| < ^ > | < ^ > |
| **29 1 2** | **26 2 1** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **125 222** | 2012 **336 110** |
| v ^ | v ^ |
| **428** < IN = 1094 < **309** | **360** < IN = 1253 < **260** |
| **390** > OUT = 1093 > **258** | **479** > OUT = 1254 > **367** |
| v ^ | v ^ |
| **185 270** | **417 178** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **207 218** | 2035 **320 238** |
| v ^ | v ^ |
| **931** < IN = 2819 < **710** | **1394** < IN = 3363 < **1254** |
| **1448** > OUT = 2819 > **1296** | **1317** > OUT = 3363 > **973** |
| v ^ | v ^ |
| **374 454** | **758 472** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **700** | 2012 700 |
| N | N |
| **14,600** W **LEG** E **13,400** | 14,600 W + E 13,400 |
| S | S |
| **900** | 900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **2,700** | 2035 2,700 |
| N | N |
| **31,600** W **LEG** E **28,400** | 31,600 W + E 28,400 |
| S | S |
| **4,900** | 4,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A33 Briggs_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP RCIP (No Project)

Job #: 06944
Analyst: MD
Date: July 24, 2012

LOCATION: Briggs Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 36 | 14 | |
| | | v | ^ | |
| 496 < | IN = | 1003 | < | 443 |
| 492 > | OUT = | 1003 | > | 446 |
| | | v | ^ | |
| | | 47 | 32 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MIN | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 24 | 0 | |
| | | v | ^ | |
| 500 | < | | < | 400 |
| 1060 | > | | > | 1040 |
| | | v | ^ | |
| | | 43 | 18 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 20 | 0 | |
| | | v | ^ | |
| 500 | < | | < | 400 |
| 1060 | > | | > | 1040 |
| | | v | ^ | |
| | | 40 | 20 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 60 | 10 | | |
| | | v | ^ | | |
| 1000 | < | IN = | 2500 | < | 840 |
| 1550 | > | OUT = | 2590 | > | 1490 |
| | | v | ^ | * | |
| | | 90 | 50 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 23 | 31 | |
| | | v | ^ | |
| 514 < | IN = | 1096 | < | 475 |
| 569 > | OUT = | 1096 | > | 517 |
| | | v | ^ | |
| | | 34 | 29 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 39 | |
| | | v | ^ | |
| 1030 | < | | < | 990 |
| 840 | > | | > | 610 |
| | | v | ^ | |
| | | 26 | 51 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 40 | |
| | | v | ^ | |
| 1030 | < | | < | 990 |
| 840 | > | | > | 610 |
| | | v | ^ | |
| | | 30 | 50 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 20 | 75 | | |
| | | v | ^ | | |
| 1639 | < | IN = | 2980 | < | 1470 |
| 1410 | > | OUT = | 2980 | > | 1203 |
| | | v | ^ | * | |
| | | 64 | 80 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A33 Briggs_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP RCIP (No Project) | Analyst: | MD |
| | | Date: | July 24, 2012 |

LOCATION: Briggs Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 29 | 51 | 22 | 76% | 26 | 80 | 54 | 208% |
| | Through | 1 | 0 | -1 | -100% | 2 | 3 | 1 | 50% |
| | Right | 2 | 2 | 0 | 0% | 1 | 1 | 0 | 0% |
| | NB Total | 32 | 53 | 21 | 66% | 29 | 84 | 55 | 190% |
| SOUTH BOUND | Left | 4 | 6 | 2 | 50% | 5 | 2 | -3 | -60% |
| | Through | 5 | 4 | -1 | -20% | 1 | 0 | -1 | -100% |
| | Right | 27 | 54 | 27 | 100% | 17 | 18 | 1 | 6% |
| | SB Total | 36 | 64 | 28 | 78% | 23 | 20 | -3 | -13% |
| EAST BOUND | Left | 12 | 9 | -3 | -25% | 27 | 68 | 41 | 152% |
| | Through | 440 | 1,482 | 1,042 | 237% | 511 | 1,199 | 688 | 135% |
| | Right | 40 | 84 | 44 | 110% | 31 | 61 | 30 | 97% |
| | EB Total | 492 | 1,575 | 1,083 | 220% | 569 | 1,328 | 759 | 133% |
| WEST BOUND | Left | 2 | 2 | 0 | 0% | 2 | 2 | 0 | 0% |
| | Through | 440 | 896 | 456 | 104% | 471 | 1,541 | 1,070 | 227% |
| | Right | 1 | 0 | -1 | -100% | 2 | 3 | 1 | 50% |
| | WB Total | 443 | 898 | 455 | 103% | 475 | 1,546 | 1,071 | 225% |
| TOTAL ENTERING VOLUME | | 1,003 | 2,590 | 1587 | 158% | 1,096 | 2,978 | 1882 | 172% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 64 | 20 | | | |
| North Leg | Outbound | 9 | 74 | | | |
| **North Leg** | **TOTAL** | **73** | **94** | **3%** | **3%** | **2,700** |
| South Leg | Inbound | 53 | 84 | | | |
| South Leg | Outbound | 90 | 63 | | | |
| **South Leg** | **TOTAL** | **143** | **147** | **3%** | **3%** | **4,900** |
| East Leg | Inbound | 898 | 1,546 | | | |
| East Leg | Outbound | 1,490 | 1,202 | | | |
| **East Leg** | **TOTAL** | **2,388** | **2,748** | **8%** | **10%** | **28,400** |
| West Leg | Inbound | 1,575 | 1,328 | | | |
| West Leg | Outbound | 1,001 | 1,639 | | | |
| **West Leg** | **TOTAL** | **2,576** | **2,967** | **8%** | **9%** | **31,600** |
| ***OVERALL TOTAL*** | | ***5,180*** | ***5,956*** | **8%** | ***9%*** | ***67,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP RCIP\[A33 Briggs_Scott.xls]Output (3)*

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# APPENDIX 7.2

RCIP 2035 Intersection Peak Hour Analysis

Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.465 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 42.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 15 | 3 | 25 | 432 | 1 | 239 | 70 | 678 | 3 | 10 | 802 | 144 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 15 | 3 | 25 | 432 | 1 | 239 | 70 | 678 | 3 | 10 | 802 | 144 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 16 | 3 | 26 | 455 | 1 | 252 | 74 | 714 | 3 | 11 | 844 | 152 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 16 | 3 | 26 | 455 | 1 | 252 | 74 | 714 | 3 | 11 | 844 | 152 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 16 | 3 | 26 | 455 | 1 | 252 | 74 | 714 | 3 | 11 | 844 | 152 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 176 | 1469 | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.02 | 0.02 | 0.13 | 0.00 | 0.16 | 0.02 | 0.20 | 0.00 | 0.01 | 0.23 | 0.09 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.33 | 0.33 | 0.16 | 0.39 | 0.39 | 0.08 | 0.28 | 0.28 | 0.10 | 0.29 | 0.46 |
| Volume/Cap: | 0.09 | 0.06 | 0.06 | 0.79 | 0.00 | 0.40 | 0.25 | 0.71 | 0.01 | 0.06 | 0.79 | 0.20 |
| Delay/Veh: | 49.3 | 27.9 | 27.9 | 55.7 | 22.4 | 27.0 | 52.0 | 41.3 | 31.3 | 49.1 | 43.1 | 19.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 49.3 | 27.9 | 27.9 | 55.7 | 22.4 | 27.0 | 52.0 | 41.3 | 31.3 | 49.1 | 43.1 | 19.6 |
| LOS by Move: | D | C | C | E | C | C | D | D | C | D | D | B |
| HCM2kAvgQ: | 1 | 1 | 1 | 10 | 0 | 7 | 2 | 13 | 0 | 0 | 17 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.809 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 46.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 61 | 130 | 498 | 239 | 224 | 521 | 92 | 663 | 41 | 695 | 968 | 188 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 61 | 130 | 498 | 239 | 224 | 521 | 92 | 663 | 41 | 695 | 968 | 188 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 64 | 137 | 524 | 252 | 236 | 548 | 97 | 698 | 43 | 732 | 1019 | 198 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 64 | 137 | 524 | 252 | 236 | 548 | 97 | 698 | 43 | 732 | 1019 | 198 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 64 | 137 | 524 | 252 | 236 | 548 | 97 | 698 | 43 | 732 | 1019 | 198 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.04 | 0.32 | 0.07 | 0.07 | 0.34 | 0.03 | 0.13 | 0.03 | 0.21 | 0.20 | 0.12 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.54 | 0.10 | 0.35 | 0.35 | 0.12 | 0.23 | 0.23 | 0.21 | 0.32 | 0.32 |
| Volume/Cap: | 0.22 | 0.11 | 0.60 | 0.74 | 0.19 | 0.98 | 0.23 | 0.60 | 0.12 | 0.98 | 0.62 | 0.38 |
| Delay/Veh: | 51.7 | 27.9 | 19.6 | 60.8 | 27.6 | 72.4 | 48.3 | 42.5 | 37.2 | 75.5 | 35.3 | 32.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 51.7 | 27.9 | 19.6 | 60.8 | 27.6 | 72.4 | 48.3 | 42.5 | 37.2 | 75.5 | 35.3 | 32.2 |
| LOS by Move: | D | C | B | E | C | E | D | D | D | E | D | C |
| HCM2kAvgQ: | 1 | 2 | 13 | 6 | 3 | 26 | 2 | 9 | 1 | 19 | 12 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.601 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 35.4 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 108 | 126 | 179 | 57 | 32 | 50 | 3 | 1387 | 43 | 167 | 1345 | 95 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 108 | 126 | 179 | 57 | 32 | 50 | 3 | 1387 | 43 | 167 | 1345 | 95 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 112 | 131 | 185 | 59 | 33 | 52 | 3 | 1437 | 45 | 173 | 1394 | 98 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 112 | 131 | 185 | 59 | 33 | 52 | 3 | 1437 | 45 | 173 | 1394 | 98 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 112 | 131 | 185 | 59 | 33 | 52 | 3 | 1437 | 45 | 173 | 1394 | 98 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.04 | 0.11 | 0.03 | 0.01 | 0.03 | 0.00 | 0.28 | 0.03 | 0.10 | 0.27 | 0.06 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.12 | 0.38 | 0.38 | 0.13 | 0.39 | 0.39 |
| Volume/Cap: | 0.74 | 0.13 | 0.42 | 0.39 | 0.03 | 0.12 | 0.01 | 0.73 | 0.07 | 0.73 | 0.69 | 0.16 |
| Delay/Veh: | 71.8 | 32.8 | 36.3 | 53.8 | 31.8 | 32.7 | 46.5 | 33.6 | 23.9 | 61.4 | 31.8 | 24.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 71.8 | 32.8 | 36.3 | 53.8 | 31.8 | 32.7 | 46.5 | 33.6 | 23.9 | 61.4 | 31.8 | 24.0 |
| LOS by Move: | E | C | D | D | C | C | D | C | C | E | C | C |
| HCM2kAvgQ: | 6 | 2 | 6 | 2 | 0 | 1 | 0 | 18 | 1 | 8 | 16 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 80 | Critical Vol./Cap.(X): | 0.328 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 25.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 4 | 150 | 150 | 79 | 181 | 86 | 74 | 191 | 5 | 215 | 170 | 95 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 4 | 150 | 150 | 79 | 181 | 86 | 74 | 191 | 5 | 215 | 170 | 95 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 4 | 158 | 158 | 83 | 191 | 91 | 78 | 201 | 5 | 226 | 179 | 100 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 4 | 158 | 158 | 83 | 191 | 91 | 78 | 201 | 5 | 226 | 179 | 100 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 4 | 158 | 158 | 83 | 191 | 91 | 78 | 201 | 5 | 226 | 179 | 100 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.04 | 0.10 | 0.05 | 0.05 | 0.06 | 0.02 | 0.06 | 0.00 | 0.06 | 0.05 | 0.06 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.02 | 0.14 | 0.32 | 0.38 | 0.17 | 0.18 | 0.18 | 0.22 | 0.01 | 0.53 | 0.19 | 0.24 |
| Delay/Veh: | 31.7 | 20.8 | 22.3 | 34.2 | 21.0 | 21.2 | 32.5 | 24.1 | 22.8 | 35.1 | 24.0 | 24.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.7 | 20.8 | 22.3 | 34.2 | 21.0 | 21.2 | 32.5 | 24.1 | 22.8 | 35.1 | 24.0 | 24.5 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 0 | 4 | 2 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 80 | Critical Vol./Cap.(X): | 0.319 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 24.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 16 | 214 | 34 | 22 | 220 | 178 | 83 | 114 | 173 | 33 | 40 | 20 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 16 | 214 | 34 | 22 | 220 | 178 | 83 | 114 | 173 | 33 | 40 | 20 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 17 | 225 | 36 | 23 | 232 | 187 | 87 | 120 | 182 | 35 | 42 | 21 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 17 | 225 | 36 | 23 | 232 | 187 | 87 | 120 | 182 | 35 | 42 | 21 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 17 | 225 | 36 | 23 | 232 | 187 | 87 | 120 | 182 | 35 | 42 | 21 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.86 | 0.86 | 0.95 | 0.90 | 0.90 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.33 | 0.67 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 1643 | 1643 | 1805 | 2286 | 1143 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.06 | 0.02 | 0.01 | 0.06 | 0.12 | 0.05 | 0.07 | 0.11 | 0.02 | 0.02 | 0.02 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 |
| Volume/Cap: | 0.07 | 0.23 | 0.08 | 0.10 | 0.23 | 0.42 | 0.39 | 0.27 | 0.40 | 0.15 | 0.07 | 0.07 |
| Delay/Veh: | 31.1 | 22.5 | 21.6 | 31.2 | 22.6 | 24.4 | 33.3 | 22.8 | 24.0 | 31.5 | 21.4 | 21.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.1 | 22.5 | 21.6 | 31.2 | 22.6 | 24.4 | 33.3 | 22.8 | 24.0 | 31.5 | 21.4 | 21.4 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 2 | 1 | 1 | 2 | 4 | 2 | 3 | 4 | 1 | 1 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.562 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 45.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 32 | 84 | 26 | 762 | 118 | 350 | 303 | 835 | 31 | 55 | 703 | 333 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 32 | 84 | 26 | 762 | 118 | 350 | 303 | 835 | 31 | 55 | 703 | 333 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 34 | 88 | 27 | 802 | 124 | 368 | 319 | 879 | 33 | 58 | 740 | 351 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 34 | 88 | 27 | 802 | 124 | 368 | 319 | 879 | 33 | 58 | 740 | 351 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 34 | 88 | 27 | 802 | 124 | 368 | 319 | 879 | 33 | 58 | 740 | 351 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.02 | 0.02 | 0.23 | 0.03 | 0.23 | 0.09 | 0.17 | 0.02 | 0.02 | 0.14 | 0.22 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.12 | 0.28 | 0.28 | 0.24 | 0.41 | 0.41 | 0.10 | 0.25 | 0.25 | 0.09 | 0.24 | 0.49 |
| Volume/Cap: | 0.08 | 0.09 | 0.06 | 0.94 | 0.08 | 0.56 | 0.94 | 0.67 | 0.08 | 0.19 | 0.59 | 0.45 |
| Delay/Veh: | 47.0 | 31.6 | 31.4 | 61.8 | 21.8 | 28.3 | 86.6 | 41.8 | 34.3 | 51.2 | 41.0 | 20.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 47.0 | 31.6 | 31.4 | 61.8 | 21.8 | 28.3 | 86.6 | 41.8 | 34.3 | 51.2 | 41.0 | 20.6 |
| LOS by Move: | D | C | C | E | C | C | F | D | C | D | D | C |
| HCM2kAvgQ: | 1 | 1 | 1 | 19 | 1 | 11 | 9 | 12 | 1 | 1 | 9 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 85 | Critical Vol./Cap.(X): | 0.321 |
| Loss Time (sec): | 12 | Average Delay (sec/veh): | 19.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 0 | 0 | 2 0 | 0 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 116 | 0 | 508 | 274 | 672 | 0 | 0 | 779 | 100 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 116 | 0 | 508 | 274 | 672 | 0 | 0 | 779 | 100 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 122 | 0 | 535 | 288 | 707 | 0 | 0 | 820 | 105 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 122 | 0 | 535 | 288 | 707 | 0 | 0 | 820 | 105 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 122 | 0 | 535 | 288 | 707 | 0 | 0 | 820 | 105 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.33 | 0.08 | 0.14 | 0.00 | 0.00 | 0.16 | 0.07 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.54 | 0.15 | 0.47 | 0.00 | 0.00 | 0.32 | 0.32 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.61 | 0.54 | 0.29 | 0.00 | 0.00 | 0.50 | 0.21 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 16.5 | 0.0 | 14.7 | 34.3 | 13.9 | 0.0 | 0.0 | 23.7 | 21.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 16.5 | 0.0 | 14.7 | 34.3 | 13.9 | 0.0 | 0.0 | 23.7 | 21.4 |
| LOS by Move: | A | A | A | B | A | B | C | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 10 | 4 | 4 | 0 | 0 | 7 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 95 | Critical Vol./Cap.(X): | 0.530 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 41.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 26 | 26 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 45 | 34 | 347 | 174 | 63 | 15 | 38 | 812 | 69 | 529 | 753 | 71 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 45 | 34 | 347 | 174 | 63 | 15 | 38 | 812 | 69 | 529 | 753 | 71 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 47 | 36 | 365 | 183 | 66 | 16 | 40 | 855 | 73 | 557 | 793 | 75 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 47 | 36 | 365 | 183 | 66 | 16 | 40 | 855 | 73 | 557 | 793 | 75 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 47 | 36 | 365 | 183 | 66 | 16 | 40 | 855 | 73 | 557 | 793 | 75 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.01 | 0.23 | 0.10 | 0.02 | 0.01 | 0.01 | 0.24 | 0.04 | 0.16 | 0.22 | 0.05 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.26 | 0.26 | 0.12 | 0.27 | 0.27 | 0.15 | 0.27 | 0.27 | 0.18 | 0.31 | 0.31 |
| Volume/Cap: | 0.25 | 0.04 | 0.87 | 0.84 | 0.07 | 0.04 | 0.08 | 0.87 | 0.17 | 0.87 | 0.72 | 0.15 |
| Delay/Veh: | 39.7 | 26.4 | 51.9 | 65.6 | 25.6 | 25.3 | 35.1 | 42.0 | 26.6 | 50.6 | 31.5 | 24.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 39.7 | 26.4 | 51.9 | 65.6 | 25.6 | 25.3 | 35.1 | 42.0 | 26.6 | 50.6 | 31.5 | 24.1 |
| LOS by Move: | D | C | D | E | C | C | D | D | C | D | C | C |
| HCM2kAvgQ: | 1 | 0 | 13 | 8 | 1 | 0 | 1 | 16 | 2 | 11 | 12 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 60 | Critical Vol./Cap.(X): 0.215
Loss Time (sec): 12 | Average Delay (sec/veh): 14.3
Optimal Cycle: OPTIMIZED | Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | | R | L | T | | R | L | T | | R | L | T | | R |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 84 | 276 | 0 | 0 | 303 | 48 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 84 | 276 | 0 | 0 | 303 | 48 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | | |
| PHF Volume: | 88 | 291 | 0 | 0 | 319 | 51 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 88 | 291 | 0 | 0 | 319 | 51 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 88 | 291 | 0 | 0 | 319 | 51 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.08 | 0.00 | 0.00 | 0.09 | 0.03 | 0.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | | | **** | | | | | | | |
| Green/Cycle: | 0.14 | 0.52 | 0.00 | 0.00 | 0.38 | 0.38 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.34 | 0.15 | 0.00 | 0.00 | 0.23 | 0.08 | 0.11 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 27.3 | 8.6 | 0.0 | 0.0 | 14.8 | 13.9 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 27.3 | 8.6 | 0.0 | 0.0 | 14.8 | 13.9 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | A | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 2 | 2 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 105 | Critical Vol./Cap.(X): 0.589
Loss Time (sec): 16 | Average Delay (sec/veh): 37.9
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 183 | 246 | 355 | 239 | 205 | 93 | 130 | 1067 | 124 | 237 | 730 | 142 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 183 | 246 | 355 | 239 | 205 | 93 | 130 | 1067 | 124 | 237 | 730 | 142 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 193 | 259 | 374 | 252 | 216 | 98 | 137 | 1123 | 131 | 249 | 768 | 149 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 193 | 259 | 374 | 252 | 216 | 98 | 137 | 1123 | 131 | 249 | 768 | 149 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 193 | 259 | 374 | 252 | 216 | 98 | 137 | 1123 | 131 | 249 | 768 | 149 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.07 | 0.23 | 0.14 | 0.06 | 0.06 | 0.04 | 0.22 | 0.08 | 0.07 | 0.15 | 0.09 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.33 | 0.43 | 0.16 | 0.39 | 0.39 | 0.10 | 0.26 | 0.26 | 0.10 | 0.26 | 0.26 |
| Volume/Cap: | 0.50 | 0.22 | 0.54 | 0.86 | 0.16 | 0.16 | 0.41 | 0.84 | 0.31 | 0.75 | 0.58 | 0.36 |
| Delay/Veh: | 45.0 | 25.2 | 23.2 | 64.8 | 21.2 | 21.2 | 45.5 | 42.0 | 32.0 | 55.3 | 34.6 | 32.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 45.0 | 25.2 | 23.2 | 64.8 | 21.2 | 21.2 | 45.5 | 42.0 | 32.0 | 55.3 | 34.6 | 32.5 |
| LOS by Move: | D | C | C | E | C | C | D | D | C | E | C | C |
| HCM2kAvgQ: | 4 | 3 | 9 | 11 | 2 | 2 | 3 | 15 | 4 | 6 | 8 | 4 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1795 | 318 | 0 | 1533 | 0 | 0 | 0 | 0 | 205 | 0 | 272 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 1.00 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6018 | 1265 | | 6408 | | | | | 3433 | | 2740 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6018 | 1265 | | 6408 | | | | | 3433 | | 2740 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1889 | 335 | 0 | 1614 | 0 | 0 | 0 | 0 | 216 | 0 | 286 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Lane Group Flow (vph) | 0 | 1920 | 301 | 0 | 1614 | 0 | 0 | 0 | 0 | 216 | 0 | 273 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 34.0 | 70.0 | | 34.0 | | | | | 24.0 | | 24.0 |
| Effective Green, g (s) | | 34.0 | 70.0 | | 34.0 | | | | | 24.0 | | 24.0 |
| Actuated g/C Ratio | | 0.49 | 1.00 | | 0.49 | | | | | 0.34 | | 0.34 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 2923 | 1265 | | 3112 | | | | | 1177 | | 939 |
| v/s Ratio Prot | | c0.32 | | | 0.25 | | | | | | | |
| v/s Ratio Perm | | | c0.24 | | | | | | | 0.06 | | 0.10 |
| v/c Ratio | | 0.66 | 0.24 | | 0.52 | | | | | 0.18 | | 0.29 |
| Uniform Delay, d1 | | 13.6 | 0.0 | | 12.4 | | | | | 16.1 | | 16.8 |
| Progression Factor | | 1.00 | 1.00 | | 0.66 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 1.2 | 0.4 | | 0.6 | | | | | 0.3 | | 0.8 |
| Delay (s) | | 14.8 | 0.4 | | 8.8 | | | | | 16.5 | | 17.6 |
| Level of Service | | B | A | | A | | | | | B | | B |
| Approach Delay (s) | | 12.8 | | | 8.8 | | | 0.0 | | | 17.1 | |
| Approach LOS | | B | | | A | | | A | | | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.8 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.46 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 6.0 |
| Intersection Capacity Utilization | 50.5% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1046 | 287 | 563 | 1147 | 0 | 0 | 0 | 0 | 202 | 0 | 206 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1551 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1551 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1101 | 302 | 593 | 1207 | 0 | 0 | 0 | 0 | 213 | 0 | 217 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| Lane Group Flow (vph) | 0 | 1101 | 302 | 593 | 1207 | 0 | 0 | 0 | 0 | 0 | 213 | 149 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 27.5 | 70.0 | 14.0 | 46.0 | | | | | | 12.0 | 12.0 |
| Effective Green, g (s) | | 27.5 | 70.0 | 14.0 | 46.0 | | | | | | 12.0 | 12.0 |
| Actuated g/C Ratio | | 0.39 | 1.00 | 0.20 | 0.66 | | | | | | 0.17 | 0.17 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 1998 | 1562 | 687 | 3342 | | | | | | 303 | 266 |
| v/s Ratio Prot | | c0.22 | | c0.17 | 0.24 | | | | | | c0.12 | |
| v/s Ratio Perm | | | 0.19 | | | | | | | | | 0.10 |
| v/c Ratio | | 0.55 | 0.19 | 0.86 | 0.36 | | | | | | 0.70 | 0.56 |
| Uniform Delay, d1 | | 16.5 | 0.0 | 27.1 | 5.4 | | | | | | 27.3 | 26.6 |
| Progression Factor | | 1.00 | 1.00 | 0.67 | 0.37 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.1 | 0.3 | 7.9 | 0.2 | | | | | | 5.9 | 1.6 |
| Delay (s) | | 17.6 | 0.3 | 25.9 | 2.2 | | | | | | 33.2 | 28.2 |
| Level of Service | | B | A | C | A | | | | | | C | C |
| Approach Delay (s) | | 13.8 | | | 10.0 | | | 0.0 | | | 30.7 | |
| Approach LOS | | B | | | B | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 13.9 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.67 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 61.4% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.591 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 39.2 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 107 | 36 | 276 | 93 | 41 | 44 | 104 | 1375 | 161 | 342 | 947 | 247 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 107 | 36 | 276 | 93 | 41 | 44 | 104 | 1375 | 161 | 342 | 947 | 247 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 113 | 38 | 291 | 98 | 43 | 46 | 109 | 1447 | 169 | 360 | 997 | 260 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 113 | 38 | 291 | 98 | 43 | 46 | 109 | 1447 | 169 | 360 | 997 | 260 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 113 | 38 | 291 | 98 | 43 | 46 | 109 | 1447 | 169 | 360 | 997 | 260 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.02 | 0.10 | 0.03 | 0.02 | 0.03 | 0.03 | 0.28 | 0.10 | 0.10 | 0.19 | 0.16 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.33 | 0.08 | 0.33 | 0.33 | 0.11 | 0.33 | 0.33 | 0.12 | 0.35 | 0.35 |
| Volume/Cap: | 0.39 | 0.06 | 0.31 | 0.34 | 0.07 | 0.09 | 0.28 | 0.83 | 0.31 | 0.83 | 0.55 | 0.46 |
| Delay/Veh: | 52.9 | 27.9 | 30.6 | 52.6 | 28.0 | 28.2 | 49.3 | 40.4 | 30.0 | 64.4 | 32.1 | 31.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.9 | 27.9 | 30.6 | 52.6 | 28.0 | 28.2 | 49.3 | 40.4 | 30.0 | 64.4 | 32.1 | 31.1 |
| LOS by Move: | D | C | C | D | C | C | D | D | C | E | C | C |
| HCM2kAvgQ: | 2 | 1 | 5 | 2 | 1 | 1 | 2 | 20 | 5 | 9 | 11 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 100 | Critical Vol./Cap.(X): | 0.432 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 36.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 118 | 156 | 9 | 403 | 40 | 125 | 75 | 697 | 96 | 24 | 687 | 267 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 118 | 156 | 9 | 403 | 40 | 125 | 75 | 697 | 96 | 24 | 687 | 267 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 124 | 164 | 9 | 424 | 42 | 132 | 79 | 734 | 101 | 25 | 723 | 281 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 124 | 164 | 9 | 424 | 42 | 132 | 79 | 734 | 101 | 25 | 723 | 281 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 124 | 164 | 9 | 424 | 42 | 132 | 79 | 734 | 101 | 25 | 723 | 281 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.05 | 0.01 | 0.12 | 0.01 | 0.08 | 0.02 | 0.14 | 0.06 | 0.01 | 0.14 | 0.17 |
| Crit Moves: | | **** | | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.12 | 0.33 | 0.33 | 0.17 | 0.38 | 0.38 | 0.10 | 0.20 | 0.20 | 0.14 | 0.24 | 0.24 |
| Volume/Cap: | 0.31 | 0.14 | 0.02 | 0.72 | 0.03 | 0.21 | 0.23 | 0.71 | 0.31 | 0.05 | 0.58 | 0.72 |
| Delay/Veh: | 41.0 | 23.6 | 22.6 | 43.7 | 19.3 | 20.9 | 41.8 | 39.5 | 34.7 | 37.2 | 34.1 | 41.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 41.0 | 23.6 | 22.6 | 43.7 | 19.3 | 20.9 | 41.8 | 39.5 | 34.7 | 37.2 | 34.1 | 41.2 |
| LOS by Move: | D | C | C | D | B | C | D | D | C | D | C | D |
| HCM2kAvgQ: | 2 | 2 | 0 | 8 | 0 | 3 | 1 | 9 | 3 | 0 | 8 | 9 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1240 | 504 | 0 | 1216 | 646 | 0 | 0 | 0 | 415 | 0 | 320 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.98 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7286 | 1488 | | 5588 | 1548 | | | | 1863 | 1851 | 1828 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7286 | 1488 | | 5588 | 1548 | | | | 1863 | 1851 | 1828 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1305 | 531 | 0 | 1280 | 680 | 0 | 0 | 0 | 437 | 0 | 337 |
| RTOR Reduction (vph) | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 |
| Lane Group Flow (vph) | 0 | 1467 | 329 | 0 | 1280 | 680 | 0 | 0 | 0 | 267 | 231 | 216 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 35.0 | 60.0 | | 35.0 | 60.0 | | | | 13.0 | 13.0 | 13.0 |
| Effective Green, g (s) | | 35.0 | 60.0 | | 35.0 | 60.0 | | | | 13.0 | 13.0 | 13.0 |
| Actuated g/C Ratio | | 0.58 | 1.00 | | 0.58 | 1.00 | | | | 0.22 | 0.22 | 0.22 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 4250 | 1488 | | 3260 | 1548 | | | | 404 | 401 | 396 |
| v/s Ratio Prot | | 0.20 | | | 0.23 | | | | | c0.14 | 0.12 | |
| v/s Ratio Perm | | | 0.22 | | | c0.44 | | | | | | 0.12 |
| v/c Ratio | | 0.35 | 0.22 | | 0.39 | 0.44 | | | | 0.66 | 0.58 | 0.55 |
| Uniform Delay, d1 | | 6.5 | 0.0 | | 6.8 | 0.0 | | | | 21.5 | 21.0 | 20.9 |
| Progression Factor | | 1.00 | 1.00 | | 0.36 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.2 | 0.3 | | 0.3 | 0.8 | | | | 3.1 | 1.3 | 0.8 |
| Delay (s) | | 6.7 | 0.3 | | 2.8 | 0.8 | | | | 24.6 | 22.3 | 21.7 |
| Level of Service | | A | A | | A | A | | | | C | C | C |
| Approach Delay (s) | | 5.6 | | | 2.1 | | | 0.0 | | | 22.9 | |
| Approach LOS | | A | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 7.0 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.49 | | |
| Actuated Cycle Length (s) | 60.0 | Sum of lost time (s) | 6.0 |
| Intersection Capacity Utilization | 48.4% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 521 | 488 | 715 | 464 | 282 | 148 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2747 | 3776 | 2826 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2747 | 3776 | 2826 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 548 | 514 | 753 | 488 | 297 | 156 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 238 | 0 | 121 |
| Lane Group Flow (vph) | 548 | 514 | 753 | 250 | 297 | 35 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 20.9 | 40.8 | 20.9 | 20.9 | 7.9 | 7.9 |
| Effective Green, g (s) | 22.2 | 40.8 | 22.2 | 20.9 | 9.2 | 9.2 |
| Actuated g/C Ratio | 0.54 | 1.00 | 0.54 | 0.51 | 0.23 | 0.23 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 3603 | 1636 | 2859 | 1407 | 851 | 637 |
| v/s Ratio Prot | 0.08 | | 0.14 | | 0.08 | |
| v/s Ratio Perm | | c0.31 | | 0.09 | | 0.01 |
| v/c Ratio | 0.15 | 0.31 | 0.26 | 0.18 | 0.35 | 0.06 |
| Uniform Delay, d1 | 4.6 | 0.0 | 4.9 | 5.3 | 13.3 | 12.4 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.0 | 0.5 | 0.0 | 0.0 | 0.1 | 0.0 |
| Delay (s) | 4.6 | 0.5 | 5.0 | 5.4 | 13.4 | 12.4 |
| Level of Service | A | A | A | A | B | B |
| Approach Delay (s) | 2.6 | | 5.1 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 5.5 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.31 | | |
| Actuated Cycle Length (s) | 40.8 | Sum of lost time (s) | 0.0 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1758 | 0 | 0 | 1402 | 161 | 388 | 0 | 511 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6025 | 1282 | 3433 | | 2741 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6025 | 1282 | 3433 | | 2741 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1851 | 0 | 0 | 1476 | 169 | 408 | 0 | 538 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1851 | 0 | 0 | 1491 | 152 | 408 | 0 | 531 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 34.0 | | | 34.0 | 70.0 | 24.0 | | 24.0 | | | |
| Effective Green, g (s) | | 34.0 | | | 34.0 | 70.0 | 24.0 | | 24.0 | | | |
| Actuated g/C Ratio | | 0.49 | | | 0.49 | 1.00 | 0.34 | | 0.34 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 3112 | | | 2926 | 1282 | 1177 | | 940 | | | |
| v/s Ratio Prot | | c0.29 | | | 0.25 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.12 | 0.12 | | c0.19 | | | |
| v/c Ratio | | 0.59 | | | 0.51 | 0.12 | 0.35 | | 0.57 | | | |
| Uniform Delay, d1 | | 13.0 | | | 12.3 | 0.0 | 17.2 | | 18.7 | | | |
| Progression Factor | | 0.37 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 0.7 | | | 0.6 | 0.2 | 0.8 | | 2.5 | | | |
| Delay (s) | | 5.5 | | | 12.9 | 0.2 | 18.0 | | 21.2 | | | |
| Level of Service | | A | | | B | A | B | | C | | | |
| Approach Delay (s) | | 5.5 | | | 11.8 | | | 19.8 | | | 0.0 | |
| Approach LOS | | A | | | B | | | B | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 10.9 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.58 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 53.9% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 256 | 992 | 0 | 0 | 1498 | 192 | 212 | 2 | 345 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 269 | 1044 | 0 | 0 | 1577 | 202 | 223 | 2 | 363 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 269 | 1044 | 0 | 0 | 1577 | 202 | 0 | 225 | 281 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 8.2 | 42.9 | | | 30.2 | 70.0 | | 15.1 | 15.1 | | | |
| Effective Green, g (s) | 7.7 | 43.4 | | | 30.7 | 70.0 | | 15.6 | 15.6 | | | |
| Actuated g/C Ratio | 0.11 | 0.62 | | | 0.44 | 1.00 | | 0.22 | 0.22 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 378 | 3153 | | | 2230 | 1583 | | 396 | 353 | | | |
| v/s Ratio Prot | c0.08 | 0.21 | | | c0.31 | | | 0.13 | | | | |
| v/s Ratio Perm | | | | | | 0.13 | | | c0.18 | | | |
| v/c Ratio | 0.71 | 0.33 | | | 0.71 | 0.13 | | 0.57 | 0.79 | | | |
| Uniform Delay, d1 | 30.1 | 6.4 | | | 16.0 | 0.0 | | 24.2 | 25.7 | | | |
| Progression Factor | 0.92 | 0.14 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 4.4 | 0.0 | | | 1.9 | 0.2 | | 1.9 | 11.7 | | | |
| Delay (s) | 32.0 | 0.9 | | | 17.9 | 0.2 | | 26.1 | 37.4 | | | |
| Level of Service | C | A | | | B | A | | C | D | | | |
| Approach Delay (s) | | 7.3 | | | 15.9 | | | 33.1 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.6 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.73 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 61.4% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1244 | 411 | 0 | 1561 | 404 | 301 | 0 | 396 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 0.99 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.89 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (prot) | | 4778 | 1343 | | 6408 | 1562 | 1681 | 1470 | 1481 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.99 | 1.00 | | | |
| Satd. Flow (perm) | | 4778 | 1343 | | 6408 | 1562 | 1681 | 1470 | 1481 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1309 | 433 | 0 | 1643 | 425 | 317 | 0 | 417 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1350 | 385 | 0 | 1643 | 425 | 254 | 226 | 222 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 23.6 | 60.0 | | 23.6 | 60.0 | 24.4 | 24.4 | 24.4 | | | |
| Effective Green, g (s) | | 23.6 | 60.0 | | 23.6 | 60.0 | 24.4 | 24.4 | 24.4 | | | |
| Actuated g/C Ratio | | 0.39 | 1.00 | | 0.39 | 1.00 | 0.41 | 0.41 | 0.41 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 1879 | 1343 | | 2520 | 1562 | 684 | 598 | 602 | | | |
| v/s Ratio Prot | | c0.28 | | | 0.26 | | 0.15 | c0.15 | | | | |
| v/s Ratio Perm | | | 0.29 | | | 0.27 | | | 0.15 | | | |
| v/c Ratio | | 0.72 | 0.29 | | 0.65 | 0.27 | 0.37 | 0.38 | 0.37 | | | |
| Uniform Delay, d1 | | 15.4 | 0.0 | | 14.8 | 0.0 | 12.4 | 12.5 | 12.4 | | | |
| Progression Factor | | 0.70 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 1.0 | 0.5 | | 0.5 | 0.4 | 1.5 | 1.8 | 1.7 | | | |
| Delay (s) | | 11.8 | 0.5 | | 15.3 | 0.4 | 14.0 | 14.3 | 14.2 | | | |
| Level of Service | | B | A | | B | A | B | B | B | | | |
| Approach Delay (s) | | 9.3 | | | 12.3 | | | 14.1 | | | 0.0 | |
| Approach LOS | | A | | | B | | | B | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.4 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.55 | | |
| Actuated Cycle Length (s) | 60.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 54.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 110 | 693 | 0 | 0 | 931 | 354 | 0 | 2 | 532 | 0 | 0 | 248 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | 6.0 | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | 1.00 | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 0.97 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 0.98 | 0.85 | | 1.00 | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7573 | 1368 | | 2027 | 3378 | | | 2888 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7573 | 1368 | | 2027 | 3378 | | | 2888 |
| Peak-hour factor, PHF | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| Adj. Flow (vph) | 113 | 714 | 0 | 0 | 960 | 365 | 0 | 2 | 548 | 0 | 0 | 256 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 27 | 145 | 0 | 0 | 487 | 0 | 0 | 233 |
| Lane Group Flow (vph) | 113 | 714 | 0 | 0 | 1061 | 92 | 0 | 2 | 61 | 0 | 0 | 23 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | NA | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 3.7 | 30.4 | | | 22.2 | 22.2 | | 5.1 | 5.1 | | | 5.1 |
| Effective Green, g (s) | 3.7 | 31.7 | | | 23.5 | 22.2 | | 5.1 | 6.4 | | | 5.1 |
| Actuated g/C Ratio | 0.06 | 0.56 | | | 0.41 | 0.39 | | 0.09 | 0.11 | | | 0.09 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | 2.0 | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 237 | 4280 | | | 3117 | 532 | | 181 | 379 | | | 258 |
| v/s Ratio Prot | c0.03 | 0.09 | | | c0.14 | | | 0.00 | | | | |
| v/s Ratio Perm | | | | | | 0.07 | | | c0.02 | | | c0.01 |
| v/c Ratio | 0.48 | 0.17 | | | 0.34 | 0.17 | | 0.01 | 0.16 | | | 0.09 |
| Uniform Delay, d1 | 25.8 | 6.2 | | | 11.5 | 11.4 | | 23.7 | 22.9 | | | 23.9 |
| Progression Factor | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 0.6 | 0.0 | | | 0.0 | 0.1 | | 0.0 | 0.1 | | | 0.1 |
| Delay (s) | 26.3 | 6.2 | | | 11.5 | 11.5 | | 23.7 | 23.0 | | | 23.9 |
| Level of Service | C | A | | | B | B | | C | C | | | C |
| Approach Delay (s) | | 9.0 | | | 11.5 | | | 23.0 | | | 23.9 | |
| Approach LOS | | A | | | B | | | C | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 14.0 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.29 | | |
| Actuated Cycle Length (s) | 57.1 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 36.7% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.635
Loss Time (sec): 12 | Average Delay (sec/veh): 22.4
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Permitted | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 21 | 21 | 10 | 21 | 0 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 0 | 1 | 0 0 | 0 0 | 0 | 0 0 | 3 0 | 1 | 1 0 | 3 0 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 48 | 0 | 77 | 0 | 0 | 0 | 0 | 2217 | 52 | 122 | 1515 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 48 | 0 | 77 | 0 | 0 | 0 | 0 | 2217 | 52 | 122 | 1515 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 51 | 0 | 81 | 0 | 0 | 0 | 0 | 2334 | 55 | 128 | 1595 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 51 | 0 | 81 | 0 | 0 | 0 | 0 | 2334 | 55 | 128 | 1595 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 51 | 0 | 81 | 0 | 0 | 0 | 0 | 2334 | 55 | 128 | 1595 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.85 | 0.95 | 0.91 | 1.00 |
| Lanes: | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 1.00 | 1.00 | 3.00 | 0.00 |
| Final Sat.: | 1805 | 0 | 1615 | 0 | 0 | 0 | 0 | 5187 | 1615 | 1805 | 5187 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.03 | 0.07 | 0.31 | 0.00 |
| Crit Moves: | | | **** | | | | | **** | | **** | | |
| Green/Cycle: | 0.28 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.54 | 0.09 | 0.63 | 0.00 |
| Volume/Cap: | 0.10 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 0.06 | 0.83 | 0.49 | 0.00 |
| Delay/Veh: | 32.5 | 0.0 | 33.4 | 0.0 | 0.0 | 0.0 | 0.0 | 25.4 | 13.2 | 84.7 | 12.3 | 0.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 32.5 | 0.0 | 33.4 | 0.0 | 0.0 | 0.0 | 0.0 | 25.4 | 13.2 | 84.7 | 12.3 | 0.0 |
| LOS by Move: | C | A | C | A | A | A | A | C | B | F | B | A |
| HCM2kAvgQ: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 28 | 1 | 7 | 11 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.399 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 32.1 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 209 | 12 | 25 | 57 | 9 | 105 | 89 | 1148 | 100 | 15 | 1376 | 44 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 209 | 12 | 25 | 57 | 9 | 105 | 89 | 1148 | 100 | 15 | 1376 | 44 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 220 | 13 | 26 | 60 | 9 | 111 | 94 | 1208 | 105 | 16 | 1448 | 46 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 220 | 13 | 26 | 60 | 9 | 111 | 94 | 1208 | 105 | 16 | 1448 | 46 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 220 | 13 | 26 | 60 | 9 | 111 | 94 | 1208 | 105 | 16 | 1448 | 46 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.90 | 0.90 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.32 | 0.68 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 554 | 1154 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.02 | 0.02 | 0.02 | 0.00 | 0.07 | 0.03 | 0.23 | 0.07 | 0.01 | 0.28 | 0.03 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.21 | 0.28 | 0.28 | 0.08 | 0.15 | 0.15 | 0.08 | 0.37 | 0.37 | 0.13 | 0.43 | 0.43 |
| Volume/Cap: | 0.57 | 0.08 | 0.08 | 0.21 | 0.03 | 0.47 | 0.32 | 0.62 | 0.17 | 0.07 | 0.66 | 0.07 |
| Delay/Veh: | 44.4 | 32.3 | 32.3 | 51.6 | 44.1 | 48.5 | 52.4 | 31.2 | 25.3 | 45.5 | 28.3 | 20.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.4 | 32.3 | 32.3 | 51.6 | 44.1 | 48.5 | 52.4 | 31.2 | 25.3 | 45.5 | 28.3 | 20.5 |
| LOS by Move: | D | C | C | D | D | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 8 | 1 | 1 | 1 | 0 | 4 | 2 | 14 | 3 | 1 | 16 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.728
Loss Time (sec): 16 | Average Delay (sec/veh): 42.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 404 | 45 | 119 | 112 | 70 | 160 | 83 | 809 | 748 | 129 | 1401 | 88 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 404 | 45 | 119 | 112 | 70 | 160 | 83 | 809 | 748 | 129 | 1401 | 88 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 425 | 47 | 125 | 118 | 74 | 168 | 87 | 852 | 787 | 136 | 1475 | 93 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 425 | 47 | 125 | 118 | 74 | 168 | 87 | 852 | 787 | 136 | 1475 | 93 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 425 | 47 | 125 | 118 | 74 | 168 | 87 | 852 | 787 | 136 | 1475 | 93 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.01 | 0.08 | 0.03 | 0.02 | 0.10 | 0.02 | 0.16 | 0.49 | 0.04 | 0.28 | 0.06 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.31 | 0.31 | 0.09 | 0.28 | 0.28 | 0.11 | 0.38 | 0.51 | 0.08 | 0.36 | 0.36 |
| Volume/Cap: | 0.96 | 0.04 | 0.25 | 0.36 | 0.07 | 0.38 | 0.24 | 0.43 | 0.96 | 0.47 | 0.79 | 0.16 |
| Delay/Veh: | 84.4 | 29.1 | 31.4 | 51.7 | 32.2 | 35.8 | 49.6 | 27.6 | 50.2 | 53.6 | 36.7 | 26.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 84.4 | 29.1 | 31.4 | 51.7 | 32.2 | 35.8 | 49.6 | 27.6 | 50.2 | 53.6 | 36.7 | 26.2 |
| LOS by Move: | F | C | C | D | C | D | D | C | D | D | D | C |
| HCM2kAvgQ: | 12 | 1 | 3 | 2 | 1 | 5 | 2 | 8 | 33 | 3 | 19 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.670
Loss Time (sec): 16 | Average Delay (sec/veh): 34.6
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 356 | 125 | 103 | 158 | 295 | 284 | 132 | 789 | 304 | 125 | 645 | 49 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 356 | 125 | 103 | 158 | 295 | 284 | 132 | 789 | 304 | 125 | 645 | 49 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 375 | 132 | 108 | 166 | 311 | 299 | 139 | 831 | 320 | 132 | 679 | 52 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 375 | 132 | 108 | 166 | 311 | 299 | 139 | 831 | 320 | 132 | 679 | 52 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 375 | 132 | 108 | 166 | 311 | 299 | 139 | 831 | 320 | 132 | 679 | 52 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.07 | 0.07 | 0.05 | 0.09 | 0.19 | 0.04 | 0.16 | 0.20 | 0.07 | 0.13 | 0.03 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.35 | 0.35 | 0.11 | 0.33 | 0.33 | 0.10 | 0.28 | 0.28 | 0.10 | 0.28 | 0.28 |
| Volume/Cap: | 0.82 | 0.20 | 0.19 | 0.44 | 0.26 | 0.56 | 0.40 | 0.57 | 0.71 | 0.73 | 0.47 | 0.11 |
| Delay/Veh: | 53.9 | 22.6 | 22.6 | 42.7 | 24.7 | 28.9 | 42.9 | 31.4 | 37.4 | 57.7 | 30.1 | 26.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.9 | 22.6 | 22.6 | 42.7 | 24.7 | 28.9 | 42.9 | 31.4 | 37.4 | 57.7 | 30.1 | 26.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | D | E | C | C |
| HCM2kAvgQ: | 8 | 3 | 2 | 3 | 4 | 8 | 2 | 9 | 10 | 6 | 7 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.751
Loss Time (sec): 16 | Average Delay (sec/veh): 49.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 452 | 609 | 681 | 318 | 554 | 149 | 254 | 1391 | 336 | 370 | 1359 | 196 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 452 | 609 | 681 | 318 | 554 | 149 | 254 | 1391 | 336 | 370 | 1359 | 196 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 476 | 641 | 717 | 335 | 583 | 157 | 267 | 1464 | 354 | 389 | 1431 | 206 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 476 | 641 | 717 | 335 | 583 | 157 | 267 | 1464 | 354 | 389 | 1431 | 206 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 476 | 641 | 717 | 335 | 583 | 157 | 267 | 1464 | 354 | 389 | 1431 | 206 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.14 | 0.12 | 0.44 | 0.10 | 0.11 | 0.10 | 0.08 | 0.28 | 0.22 | 0.11 | 0.28 | 0.13 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.14 | 0.34 | 0.46 | 0.10 | 0.30 | 0.30 | 0.10 | 0.30 | 0.30 | 0.11 | 0.32 | 0.32 |
| Volume/Cap: | 0.97 | 0.36 | 0.97 | 0.97 | 0.37 | 0.32 | 0.79 | 0.94 | 0.73 | 0.97 | 0.87 | 0.40 |
| Delay/Veh: | 80.1 | 27.3 | 55.6 | 90.7 | 30.5 | 30.2 | 60.6 | 49.2 | 40.1 | 85.7 | 40.5 | 29.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 80.1 | 27.3 | 55.6 | 90.7 | 30.5 | 30.2 | 60.6 | 49.2 | 40.1 | 85.7 | 40.5 | 29.8 |
| LOS by Move: | F | C | E | F | C | C | E | D | D | F | D | C |
| HCM2kAvgQ: | 13 | 6 | 30 | 10 | 6 | 4 | 7 | 22 | 12 | 11 | 20 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.999 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 50.2 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 142 | 392 | 24 | 518 | 475 | 397 | 544 | 618 | 120 | 11 | 613 | 854 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 142 | 392 | 24 | 518 | 475 | 397 | 544 | 618 | 120 | 11 | 613 | 854 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 149 | 413 | 25 | 545 | 500 | 418 | 573 | 651 | 126 | 12 | 645 | 899 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 149 | 413 | 25 | 545 | 500 | 418 | 573 | 651 | 126 | 12 | 645 | 899 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 149 | 413 | 25 | 545 | 500 | 418 | 573 | 651 | 126 | 12 | 645 | 899 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.08 | 0.02 | 0.16 | 0.10 | 0.26 | 0.16 | 0.13 | 0.08 | 0.00 | 0.12 | 0.56 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.08 | 0.13 | 0.13 | 0.24 | 0.29 | 0.29 | 0.14 | 0.38 | 0.38 | 0.11 | 0.35 | 0.59 |
| Volume/Cap: | 0.51 | 0.61 | 0.12 | 0.64 | 0.33 | 0.89 | 1.15 | 0.33 | 0.21 | 0.03 | 0.36 | 0.94 |
| Delay/Veh: | 54.2 | 50.9 | 46.3 | 42.2 | 33.4 | 58.8 | 139.3 | 26.7 | 25.4 | 47.2 | 29.1 | 38.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 54.2 | 50.9 | 46.3 | 42.2 | 33.4 | 58.8 | 139.3 | 26.7 | 25.4 | 47.2 | 29.1 | 38.5 |
| LOS by Move: | D | D | D | D | C | E | F | C | C | D | C | D |
| HCM2kAvgQ: | 3 | 6 | 1 | 10 | 5 | 18 | 19 | 6 | 3 | 0 | 6 | 35 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 110 | Critical Vol./Cap.(X): | 0.776 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 40.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 136 | 205 | 164 | 123 | 299 | 509 | 415 | 510 | 105 | 246 | 816 | 151 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 136 | 205 | 164 | 123 | 299 | 509 | 415 | 510 | 105 | 246 | 816 | 151 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 143 | 216 | 173 | 129 | 315 | 536 | 437 | 537 | 111 | 259 | 859 | 159 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 143 | 216 | 173 | 129 | 315 | 536 | 437 | 537 | 111 | 259 | 859 | 159 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 143 | 216 | 173 | 129 | 315 | 536 | 437 | 537 | 111 | 259 | 859 | 159 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.04 | 0.11 | 0.04 | 0.06 | 0.33 | 0.12 | 0.10 | 0.07 | 0.07 | 0.17 | 0.10 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.09 | 0.35 | 0.35 | 0.11 | 0.37 | 0.37 | 0.14 | 0.29 | 0.29 | 0.10 | 0.25 | 0.25 |
| Volume/Cap: | 0.45 | 0.12 | 0.30 | 0.34 | 0.16 | 0.90 | 0.90 | 0.36 | 0.24 | 0.71 | 0.65 | 0.39 |
| Delay/Veh: | 48.4 | 24.0 | 26.0 | 46.1 | 23.3 | 48.9 | 65.6 | 31.1 | 30.0 | 54.3 | 37.8 | 34.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 48.4 | 24.0 | 26.0 | 46.1 | 23.3 | 48.9 | 65.6 | 31.1 | 30.0 | 54.3 | 37.8 | 34.5 |
| LOS by Move: | D | C | C | D | C | D | E | C | C | D | D | C |
| HCM2kAvgQ: | 3 | 2 | 4 | 2 | 3 | 21 | 11 | 5 | 3 | 6 | 10 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

Cycle (sec): 60 Critical Vol./Cap.(X): 0.404
Loss Time (sec): 16 Average Delay (sec/veh): 27.3
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 59 | 219 | 152 | 85 | 291 | 275 | 138 | 168 | 24 | 150 | 313 | 97 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 59 | 219 | 152 | 85 | 291 | 275 | 138 | 168 | 24 | 150 | 313 | 97 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 62 | 231 | 160 | 89 | 306 | 289 | 145 | 177 | 25 | 158 | 329 | 102 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 62 | 231 | 160 | 89 | 306 | 289 | 145 | 177 | 25 | 158 | 329 | 102 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 62 | 231 | 160 | 89 | 306 | 289 | 145 | 177 | 25 | 158 | 329 | 102 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.04 | 0.10 | 0.03 | 0.06 | 0.18 | 0.04 | 0.05 | 0.02 | 0.05 | 0.09 | 0.06 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.28 | 0.28 | 0.11 | 0.28 | 0.28 | 0.11 | 0.21 | 0.21 | 0.21 | 0.31 | 0.31 |
| Volume/Cap: | 0.15 | 0.16 | 0.36 | 0.22 | 0.21 | 0.65 | 0.36 | 0.23 | 0.07 | 0.21 | 0.29 | 0.20 |
| Delay/Veh: | 34.9 | 23.9 | 25.8 | 35.2 | 24.3 | 31.2 | 36.1 | 28.5 | 27.5 | 28.4 | 22.9 | 22.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.9 | 23.9 | 25.8 | 35.2 | 24.3 | 31.2 | 36.1 | 28.5 | 27.5 | 28.4 | 22.9 | 22.3 |
| LOS by Move: | C | C | C | D | C | C | D | C | C | C | C | C |
| HCM2kAvgQ: | 1 | 2 | 4 | 1 | 2 | 8 | 2 | 2 | 1 | 2 | 4 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 60 | Critical Vol./Cap.(X): | 0.435 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 28.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 255 | 265 | 213 | 10 | 335 | 68 | 13 | 104 | 286 | 81 | 97 | 8 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 255 | 265 | 213 | 10 | 335 | 68 | 13 | 104 | 286 | 81 | 97 | 8 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 268 | 279 | 224 | 11 | 353 | 72 | 14 | 109 | 301 | 85 | 102 | 8 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 268 | 279 | 224 | 11 | 353 | 72 | 14 | 109 | 301 | 85 | 102 | 8 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 268 | 279 | 224 | 11 | 353 | 72 | 14 | 109 | 301 | 85 | 102 | 8 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.05 | 0.14 | 0.00 | 0.07 | 0.04 | 0.00 | 0.03 | 0.19 | 0.02 | 0.03 | 0.01 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.11 | 0.28 | 0.28 | 0.11 | 0.28 | 0.28 | 0.11 | 0.31 | 0.31 | 0.11 | 0.31 | 0.31 |
| Volume/Cap: | 0.67 | 0.19 | 0.50 | 0.03 | 0.25 | 0.16 | 0.03 | 0.10 | 0.60 | 0.21 | 0.09 | 0.02 |
| Delay/Veh: | 41.1 | 24.2 | 27.4 | 34.2 | 24.6 | 24.0 | 34.2 | 21.4 | 27.5 | 35.2 | 21.3 | 20.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 41.1 | 24.2 | 27.4 | 34.2 | 24.6 | 24.0 | 34.2 | 21.4 | 27.5 | 35.2 | 21.3 | 20.8 |
| LOS by Move: | D | C | C | C | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 5 | 2 | 6 | 0 | 3 | 2 | 0 | 1 | 8 | 1 | 1 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 100 | Critical Vol./Cap.(X): | 0.441 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 32.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 222 | 381 | 570 | 232 | 305 | 98 | 79 | 739 | 85 | 309 | 513 | 289 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 222 | 381 | 570 | 232 | 305 | 98 | 79 | 739 | 85 | 309 | 513 | 289 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 233 | 400 | 599 | 244 | 320 | 103 | 83 | 776 | 89 | 325 | 539 | 304 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 233 | 400 | 599 | 244 | 320 | 103 | 83 | 776 | 89 | 325 | 539 | 304 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 233 | 400 | 599 | 244 | 320 | 103 | 83 | 776 | 89 | 325 | 539 | 304 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.08 | 0.37 | 0.07 | 0.06 | 0.06 | 0.02 | 0.15 | 0.06 | 0.09 | 0.10 | 0.19 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.10 | 0.32 | 0.46 | 0.11 | 0.33 | 0.33 | 0.11 | 0.27 | 0.27 | 0.14 | 0.30 | 0.30 |
| Volume/Cap: | 0.66 | 0.24 | 0.81 | 0.61 | 0.19 | 0.19 | 0.21 | 0.55 | 0.20 | 0.66 | 0.35 | 0.63 |
| Delay/Veh: | 48.1 | 25.4 | 30.4 | 45.0 | 24.0 | 24.2 | 40.8 | 31.8 | 28.4 | 44.2 | 27.6 | 32.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 48.1 | 25.4 | 30.4 | 45.0 | 24.0 | 24.2 | 40.8 | 31.8 | 28.4 | 44.2 | 27.6 | 32.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 5 | 3 | 18 | 5 | 3 | 2 | 1 | 8 | 2 | 6 | 5 | 9 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 95 Critical Vol./Cap.(X): 0.251
Loss Time (sec): 12 Average Delay (sec/veh): 19.9
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 34 | 0 | 215 | 149 | 583 | 0 | 0 | 766 | 13 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 34 | 0 | 215 | 149 | 583 | 0 | 0 | 766 | 13 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 36 | 0 | 226 | 157 | 614 | 0 | 0 | 806 | 14 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 36 | 0 | 226 | 157 | 614 | 0 | 0 | 806 | 14 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 36 | 0 | 226 | 157 | 614 | 0 | 0 | 806 | 14 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 0.86 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.14 | 0.00 | 1.86 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1868 | 0 | 3062 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.04 | 0.12 | 0.00 | 0.00 | 0.16 | 0.01 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.37 | 0.11 | 0.51 | 0.00 | 0.00 | 0.39 | 0.39 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.20 | 0.40 | 0.23 | 0.00 | 0.00 | 0.40 | 0.02 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 19.3 | 0.0 | 20.5 | 39.8 | 13.2 | 0.0 | 0.0 | 20.9 | 17.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 19.3 | 0.0 | 20.5 | 39.8 | 13.2 | 0.0 | 0.0 | 20.9 | 17.7 |
| LOS by Move: | A | A | A | B | A | C | D | B | A | A | C | B |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 4 | 0 | 0 | 6 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.729 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 49.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 399 | 132 | 168 | 258 | 128 | 88 | 195 | 1404 | 695 | 208 | 1404 | 146 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 399 | 132 | 168 | 258 | 128 | 88 | 195 | 1404 | 695 | 208 | 1404 | 146 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 420 | 139 | 177 | 272 | 135 | 93 | 205 | 1478 | 732 | 219 | 1478 | 154 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 420 | 139 | 177 | 272 | 135 | 93 | 205 | 1478 | 732 | 219 | 1478 | 154 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 420 | 139 | 177 | 272 | 135 | 93 | 205 | 1478 | 732 | 219 | 1478 | 154 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.04 | 0.11 | 0.08 | 0.04 | 0.06 | 0.11 | 0.28 | 0.45 | 0.12 | 0.28 | 0.10 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.12 | 0.23 | 0.23 | 0.17 | 0.28 | 0.28 | 0.13 | 0.34 | 0.47 | 0.12 | 0.33 | 0.33 |
| Volume/Cap: | 0.97 | 0.17 | 0.48 | 0.45 | 0.14 | 0.21 | 0.85 | 0.83 | 0.97 | 0.97 | 0.85 | 0.28 |
| Delay/Veh: | 87.9 | 37.5 | 41.3 | 45.1 | 32.8 | 33.7 | 74.9 | 39.7 | 56.8 | 103.7 | 41.4 | 29.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 87.9 | 37.5 | 41.3 | 45.1 | 32.8 | 33.7 | 74.9 | 39.7 | 56.8 | 103.7 | 41.4 | 29.7 |
| LOS by Move: | F | D | D | D | C | C | E | D | E | F | D | C |
| HCM2kAvgQ: | 12 | 2 | 6 | 5 | 2 | 3 | 10 | 20 | 32 | 12 | 21 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.406 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 30.1 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 51 | 1 | 2 | 6 | 5 | 54 | 12 | 1482 | 84 | 2 | 896 | 1 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 51 | 1 | 2 | 6 | 5 | 54 | 12 | 1482 | 84 | 2 | 896 | 1 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 54 | 1 | 2 | 6 | 5 | 57 | 13 | 1560 | 88 | 2 | 943 | 1 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 54 | 1 | 2 | 6 | 5 | 57 | 13 | 1560 | 88 | 2 | 943 | 1 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 54 | 1 | 2 | 6 | 5 | 57 | 13 | 1560 | 88 | 2 | 943 | 1 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.30 | 0.05 | 0.00 | 0.18 | 0.00 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.15 | 0.43 | 0.43 | 0.08 | 0.36 | 0.36 |
| Volume/Cap: | 0.18 | 0.00 | 0.00 | 0.02 | 0.01 | 0.13 | 0.02 | 0.71 | 0.13 | 0.01 | 0.51 | 0.00 |
| Delay/Veh: | 51.5 | 31.5 | 31.6 | 50.5 | 31.6 | 32.8 | 43.6 | 29.4 | 21.1 | 50.5 | 30.4 | 24.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 51.5 | 31.5 | 31.6 | 50.5 | 31.6 | 32.8 | 43.6 | 29.4 | 21.1 | 50.5 | 30.4 | 24.7 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 18 | 2 | 0 | 10 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.548 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 47.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 9 | 2 | 17 | 263 | 3 | 146 | 329 | 1216 | 9 | 34 | 819 | 437 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 9 | 2 | 17 | 263 | 3 | 146 | 329 | 1216 | 9 | 34 | 819 | 437 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 9 | 2 | 18 | 277 | 3 | 154 | 346 | 1280 | 9 | 36 | 862 | 460 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 9 | 2 | 18 | 277 | 3 | 154 | 346 | 1280 | 9 | 36 | 862 | 460 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 9 | 2 | 18 | 277 | 3 | 154 | 346 | 1280 | 9 | 36 | 862 | 460 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 173 | 1472 | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.01 | 0.01 | 0.08 | 0.00 | 0.10 | 0.10 | 0.35 | 0.01 | 0.02 | 0.24 | 0.28 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.33 | 0.08 | 0.33 | 0.33 | 0.13 | 0.37 | 0.37 | 0.08 | 0.32 | 0.41 |
| Volume/Cap: | 0.06 | 0.04 | 0.04 | 0.95 | 0.01 | 0.29 | 0.74 | 0.95 | 0.02 | 0.24 | 0.74 | 0.70 |
| Delay/Veh: | 50.9 | 27.7 | 27.7 | 93.7 | 27.4 | 30.5 | 55.9 | 49.9 | 23.6 | 52.3 | 38.5 | 32.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.9 | 27.7 | 27.7 | 93.7 | 27.4 | 30.5 | 55.9 | 49.9 | 23.6 | 52.3 | 38.5 | 32.8 |
| LOS by Move: | D | C | C | F | C | C | E | D | C | D | D | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 9 | 0 | 4 | 8 | 29 | 0 | 1 | 16 | 15 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.534 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 38.2 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 17 | 109 | 586 | 279 | 208 | 88 | 91 | 662 | 69 | 707 | 734 | 285 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 17 | 109 | 586 | 279 | 208 | 88 | 91 | 662 | 69 | 707 | 734 | 285 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 18 | 115 | 617 | 294 | 219 | 93 | 96 | 697 | 73 | 744 | 773 | 300 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 18 | 115 | 617 | 294 | 219 | 93 | 96 | 697 | 73 | 744 | 773 | 300 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 18 | 115 | 617 | 294 | 219 | 93 | 96 | 697 | 73 | 744 | 773 | 300 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.03 | 0.38 | 0.08 | 0.06 | 0.06 | 0.03 | 0.13 | 0.04 | 0.21 | 0.15 | 0.19 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.28 | 0.54 | 0.10 | 0.30 | 0.30 | 0.13 | 0.23 | 0.23 | 0.26 | 0.35 | 0.35 |
| Volume/Cap: | 0.06 | 0.11 | 0.71 | 0.83 | 0.20 | 0.19 | 0.21 | 0.60 | 0.20 | 0.83 | 0.42 | 0.53 |
| Delay/Veh: | 50.3 | 31.9 | 23.2 | 67.6 | 31.6 | 31.6 | 46.9 | 42.5 | 38.0 | 48.5 | 29.8 | 31.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.3 | 31.9 | 23.2 | 67.6 | 31.6 | 31.6 | 46.9 | 42.5 | 38.0 | 48.5 | 29.8 | 31.9 |
| LOS by Move: | D | C | C | E | C | C | D | D | D | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 18 | 8 | 3 | 3 | 2 | 9 | 2 | 16 | 8 | 9 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.736 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 41.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 72 | 133 | 204 | 72 | 78 | 4 | 13 | 1664 | 81 | 242 | 1664 | 65 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 72 | 133 | 204 | 72 | 78 | 4 | 13 | 1664 | 81 | 242 | 1664 | 65 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 74 | 137 | 209 | 74 | 80 | 4 | 13 | 1708 | 83 | 248 | 1708 | 67 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 74 | 137 | 209 | 74 | 80 | 4 | 13 | 1708 | 83 | 248 | 1708 | 67 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 74 | 137 | 209 | 74 | 80 | 4 | 13 | 1708 | 83 | 248 | 1708 | 67 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.04 | 0.13 | 0.04 | 0.02 | 0.00 | 0.01 | 0.33 | 0.05 | 0.14 | 0.33 | 0.04 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.10 | 0.36 | 0.36 | 0.15 | 0.41 | 0.41 |
| Volume/Cap: | 0.49 | 0.14 | 0.47 | 0.49 | 0.08 | 0.01 | 0.07 | 0.92 | 0.14 | 0.92 | 0.81 | 0.10 |
| Delay/Veh: | 55.1 | 32.8 | 37.0 | 55.1 | 32.3 | 31.6 | 48.8 | 44.7 | 26.1 | 84.2 | 34.1 | 22.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 55.1 | 32.8 | 37.0 | 55.1 | 32.3 | 31.6 | 48.8 | 44.7 | 26.1 | 84.2 | 34.1 | 22.2 |
| LOS by Move: | E | C | D | E | C | C | D | D | C | F | C | C |
| HCM2kAvgQ: | 3 | 2 | 7 | 3 | 1 | 0 | 0 | 26 | 2 | 13 | 22 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.427
Loss Time (sec): 16 Average Delay (sec/veh): 26.8
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 1 | 194 | 235 | 139 | 182 | 44 | 26 | 156 | 8 | 229 | 146 | 145 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 1 | 194 | 235 | 139 | 182 | 44 | 26 | 156 | 8 | 229 | 146 | 145 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 1 | 201 | 244 | 144 | 189 | 46 | 27 | 162 | 8 | 238 | 151 | 150 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 1 | 201 | 244 | 144 | 189 | 46 | 27 | 162 | 8 | 238 | 151 | 150 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 1 | 201 | 244 | 144 | 189 | 46 | 27 | 162 | 8 | 238 | 151 | 150 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.06 | 0.15 | 0.08 | 0.05 | 0.03 | 0.01 | 0.04 | 0.01 | 0.07 | 0.04 | 0.09 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.00 | 0.18 | 0.50 | 0.66 | 0.17 | 0.09 | 0.06 | 0.18 | 0.02 | 0.56 | 0.16 | 0.36 |
| Delay/Veh: | 31.6 | 21.1 | 24.1 | 41.3 | 21.0 | 20.5 | 31.9 | 23.8 | 22.8 | 35.5 | 23.8 | 25.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.6 | 21.1 | 24.1 | 41.3 | 21.0 | 20.5 | 31.9 | 23.8 | 22.8 | 35.5 | 23.8 | 25.6 |
| LOS by Move: | C | C | C | D | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 5 | 5 | 2 | 1 | 0 | 2 | 0 | 4 | 2 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 80 | Critical Vol./Cap.(X): | 0.353 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 26.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 100 | 270 | 49 | 19 | 277 | 139 | 156 | 96 | 43 | 56 | 131 | 13 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 100 | 270 | 49 | 19 | 277 | 139 | 156 | 96 | 43 | 56 | 131 | 13 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 105 | 284 | 52 | 20 | 292 | 146 | 164 | 101 | 45 | 59 | 138 | 14 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 105 | 284 | 52 | 20 | 292 | 146 | 164 | 101 | 45 | 59 | 138 | 14 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 105 | 284 | 52 | 20 | 292 | 146 | 164 | 101 | 45 | 59 | 138 | 14 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.91 | 0.91 | 0.95 | 0.94 | 0.94 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.38 | 0.62 | 1.00 | 1.82 | 0.18 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 2379 | 1065 | 1805 | 3241 | 322 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.08 | 0.03 | 0.01 | 0.08 | 0.09 | 0.09 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 | 0.13 | 0.28 | 0.28 |
| Volume/Cap: | 0.47 | 0.29 | 0.12 | 0.09 | 0.29 | 0.33 | 0.73 | 0.15 | 0.15 | 0.26 | 0.15 | 0.15 |
| Delay/Veh: | 34.0 | 23.0 | 21.8 | 31.1 | 23.0 | 23.6 | 45.0 | 22.0 | 22.0 | 32.3 | 22.0 | 22.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.0 | 23.0 | 21.8 | 31.1 | 23.0 | 23.6 | 45.0 | 22.0 | 22.0 | 32.3 | 22.0 | 22.0 |
| LOS by Move: | C | C | C | C | C | C | D | C | C | C | C | C |
| HCM2kAvgQ: | 3 | 3 | 1 | 0 | 3 | 3 | 6 | 1 | 1 | 2 | 2 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.635 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 49.6 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 34 | 34 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 96 | 160 | 56 | 581 | 143 | 388 | 534 | 803 | 35 | 52 | 946 | 636 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 96 | 160 | 56 | 581 | 143 | 388 | 534 | 803 | 35 | 52 | 946 | 636 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 97 | 161 | 57 | 586 | 144 | 392 | 539 | 810 | 35 | 52 | 955 | 642 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 97 | 161 | 57 | 586 | 144 | 392 | 539 | 810 | 35 | 52 | 955 | 642 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 97 | 161 | 57 | 586 | 144 | 392 | 539 | 810 | 35 | 52 | 955 | 642 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.04 | 0.03 | 0.17 | 0.04 | 0.24 | 0.15 | 0.16 | 0.02 | 0.01 | 0.18 | 0.40 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.28 | 0.28 | 0.18 | 0.36 | 0.36 | 0.16 | 0.30 | 0.30 | 0.10 | 0.24 | 0.42 |
| Volume/Cap: | 0.26 | 0.16 | 0.12 | 0.94 | 0.11 | 0.68 | 0.94 | 0.52 | 0.07 | 0.14 | 0.76 | 0.95 |
| Delay/Veh: | 49.8 | 32.3 | 32.1 | 71.1 | 25.9 | 36.1 | 73.4 | 35.0 | 30.0 | 49.1 | 45.1 | 55.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 49.8 | 32.3 | 32.1 | 71.1 | 25.9 | 36.1 | 73.4 | 35.0 | 30.0 | 49.1 | 45.1 | 55.9 |
| LOS by Move: | D | C | C | E | C | D | E | D | C | D | D | E |
| HCM2kAvgQ: | 2 | 2 | 2 | 15 | 2 | 13 | 14 | 9 | 1 | 1 | 14 | 28 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.502
Loss Time (sec): 12 | Average Delay (sec/veh): 24.9
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 1 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 121 | 0 | 414 | 668 | 989 | 0 | 0 | 1006 | 102 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 121 | 0 | 414 | 668 | 989 | 0 | 0 | 1006 | 102 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 127 | 0 | 436 | 703 | 1041 | 0 | 0 | 1059 | 107 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 127 | 0 | 436 | 703 | 1041 | 0 | 0 | 1059 | 107 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 127 | 0 | 436 | 703 | 1041 | 0 | 0 | 1059 | 107 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.27 | 0.20 | 0.20 | 0.00 | 0.00 | 0.20 | 0.07 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.60 | 0.27 | 0.55 | 0.00 | 0.00 | 0.28 | 0.28 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.45 | 0.74 | 0.36 | 0.00 | 0.00 | 0.74 | 0.24 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 23.3 | 0.0 | 11.1 | 36.1 | 12.7 | 0.0 | 0.0 | 34.8 | 28.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 23.3 | 0.0 | 11.1 | 36.1 | 12.7 | 0.0 | 0.0 | 34.8 | 28.3 |
| LOS by Move: | A | A | A | C | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 7 | 12 | 7 | 0 | 0 | 12 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.140
Loss Time (sec): 16 | Average Delay (sec/veh): 103.2
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 1 | 1 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 77 | 70 | 658 | | 154 | 41 | 24 | | 68 | 1123 | 58 | | 480 | 1174 | 102 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 77 | 70 | 658 | | 154 | 41 | 24 | | 68 | 1123 | 58 | | 480 | 1174 | 102 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 81 | 74 | 691 | | 162 | 43 | 25 | | 71 | 1180 | 61 | | 504 | 1233 | 107 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 81 | 74 | 691 | | 162 | 43 | 25 | | 71 | 1180 | 61 | | 504 | 1233 | 107 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 81 | 74 | 691 | | 162 | 43 | 25 | | 71 | 1180 | 61 | | 504 | 1233 | 107 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.85 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 1.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 1615 | | 1805 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.02 | 0.43 | | 0.09 | 0.01 | 0.02 | | 0.02 | 0.33 | 0.04 | | 0.14 | 0.34 | 0.07 | |
| Crit Moves: | | | **** | | **** | | | | | **** | | | **** | | | |
| Green/Cycle: | 0.13 | 0.37 | 0.37 | | 0.08 | 0.33 | 0.33 | | 0.08 | 0.28 | 0.28 | | 0.13 | 0.33 | 0.33 | |
| Volume/Cap: | 0.35 | 0.05 | 1.15 | | 1.08 | 0.04 | 0.05 | | 0.24 | 1.15 | 0.13 | | 1.15 | 1.04 | 0.20 | |
| Delay/Veh: | 48.8 | 24.1 | 122.2 | | 149.9 | 27.3 | 27.4 | | 51.9 | 121 | 32.0 | | 142.3 | 79.1 | 29.3 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 48.8 | 24.1 | 122.2 | | 149.9 | 27.3 | 27.4 | | 51.9 | 121 | 32.0 | | 142.3 | 79.1 | 29.3 | |
| LOS by Move: | D | C | F | | F | C | C | | D | F | C | | F | E | C | |
| HCM2kAvgQ: | 3 | 1 | 39 | | 11 | 1 | 1 | | 1 | 36 | 2 | | 17 | 33 | 3 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 60 | Critical Vol./Cap.(X): 0.265
Loss Time (sec): 12 | Average Delay (sec/veh): 14.5
Optimal Cycle: OPTIMIZED | Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | | L | T | R | | L | T | R | | L | T | R | |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 132 | 498 | 0 | 0 | 320 | 69 | 87 | 0 | 73 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 132 | 498 | 0 | 0 | 320 | 69 | 87 | 0 | 73 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | | | | |
| PHF Volume: | 138 | 520 | 0 | 0 | 334 | 72 | 91 | 0 | 76 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 138 | 520 | 0 | 0 | 334 | 72 | 91 | 0 | 76 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 138 | 520 | 0 | 0 | 334 | 72 | 91 | 0 | 76 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.14 | 0.00 | 0.00 | 0.09 | 0.04 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | **** | | | | | | | | | |
| Green/Cycle: | 0.14 | 0.52 | 0.00 | 0.00 | 0.38 | 0.38 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.53 | 0.28 | 0.00 | 0.00 | 0.25 | 0.12 | 0.17 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 29.3 | 9.3 | 0.0 | 0.0 | 14.9 | 14.1 | 17.7 | 0.0 | 17.7 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 29.3 | 9.3 | 0.0 | 0.0 | 14.9 | 14.1 | 17.7 | 0.0 | 17.7 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | A | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 3 | 3 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.547 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 40.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 35 | 35 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 117 | 151 | 142 | 255 | 152 | 83 | 123 | 913 | 79 | 188 | 1230 | 338 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 117 | 151 | 142 | 255 | 152 | 83 | 123 | 913 | 79 | 188 | 1230 | 338 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 122 | 157 | 148 | 266 | 158 | 86 | 128 | 951 | 82 | 196 | 1281 | 352 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 122 | 157 | 148 | 266 | 158 | 86 | 128 | 951 | 82 | 196 | 1281 | 352 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 122 | 157 | 148 | 266 | 158 | 86 | 128 | 951 | 82 | 196 | 1281 | 352 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.04 | 0.09 | 0.15 | 0.04 | 0.05 | 0.04 | 0.18 | 0.05 | 0.06 | 0.25 | 0.22 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.29 | 0.40 | 0.18 | 0.37 | 0.37 | 0.08 | 0.29 | 0.29 | 0.11 | 0.31 | 0.31 |
| Volume/Cap: | 0.33 | 0.15 | 0.23 | 0.80 | 0.12 | 0.14 | 0.44 | 0.64 | 0.18 | 0.53 | 0.80 | 0.71 |
| Delay/Veh: | 50.3 | 31.5 | 24.2 | 60.0 | 25.0 | 25.3 | 53.4 | 38.5 | 32.4 | 52.3 | 41.2 | 41.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.3 | 31.5 | 24.2 | 60.0 | 25.0 | 25.3 | 53.4 | 38.5 | 32.4 | 52.3 | 41.2 | 41.4 |
| LOS by Move: | D | C | C | E | C | C | D | D | C | D | D | D |
| HCM2kAvgQ: | 2 | 2 | 4 | 11 | 2 | 2 | 3 | 12 | 2 | 4 | 18 | 13 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1752 | 452 | 0 | 1893 | 0 | 0 | 0 | 0 | 118 | 0 | 268 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 0.99 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6001 | 1265 | | 6408 | | | | | 3433 | | 2740 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6001 | 1265 | | 6408 | | | | | 3433 | | 2740 |
| Peak-hour factor, PHF | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Adj. Flow (vph) | 0 | 1825 | 471 | 0 | 1972 | 0 | 0 | 0 | 0 | 123 | 0 | 279 |
| RTOR Reduction (vph) | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Lane Group Flow (vph) | 0 | 1885 | 405 | 0 | 1972 | 0 | 0 | 0 | 0 | 123 | 0 | 274 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 35.0 | 70.0 | | 35.0 | | | | | 23.0 | | 23.0 |
| Effective Green, g (s) | | 35.0 | 70.0 | | 35.0 | | | | | 23.0 | | 23.0 |
| Actuated g/C Ratio | | 0.50 | 1.00 | | 0.50 | | | | | 0.33 | | 0.33 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 3001 | 1265 | | 3204 | | | | | 1128 | | 900 |
| v/s Ratio Prot | | c0.31 | | | 0.31 | | | | | | | |
| v/s Ratio Perm | | | c0.32 | | | | | | | 0.04 | | 0.10 |
| v/c Ratio | | 0.63 | 0.32 | | 0.62 | | | | | 0.11 | | 0.30 |
| Uniform Delay, d1 | | 12.8 | 0.0 | | 12.6 | | | | | 16.4 | | 17.5 |
| Progression Factor | | 1.00 | 1.00 | | 0.47 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 1.0 | 0.7 | | 0.7 | | | | | 0.2 | | 0.9 |
| Delay (s) | | 13.8 | 0.7 | | 6.6 | | | | | 16.6 | | 18.4 |
| Level of Service | | B | A | | A | | | | | B | | B |
| Approach Delay (s) | | 11.5 | | | 6.6 | | | 0.0 | | | 17.8 | |
| Approach LOS | | B | | | A | | | A | | | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 9.9 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.49 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 6.0 |
| Intersection Capacity Utilization | 55.8% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1452 | 483 | 489 | 1381 | 0 | 0 | 0 | 0 | 307 | 2 | 375 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1482 | 493 | 499 | 1409 | 0 | 0 | 0 | 0 | 313 | 2 | 383 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| Lane Group Flow (vph) | 0 | 1482 | 493 | 499 | 1409 | 0 | 0 | 0 | 0 | 0 | 315 | 350 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 38.0 | 95.0 | 16.5 | 59.0 | | | | | | 24.0 | 24.0 |
| Effective Green, g (s) | | 38.0 | 95.0 | 16.5 | 59.0 | | | | | | 24.0 | 24.0 |
| Actuated g/C Ratio | | 0.40 | 1.00 | 0.17 | 0.62 | | | | | | 0.25 | 0.25 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 2034 | 1562 | 596 | 3158 | | | | | | 448 | 393 |
| v/s Ratio Prot | | c0.29 | | c0.15 | 0.28 | | | | | | 0.18 | |
| v/s Ratio Perm | | | 0.32 | | | | | | | | | c0.23 |
| v/c Ratio | | 0.73 | 0.32 | 0.84 | 0.45 | | | | | | 0.70 | 0.89 |
| Uniform Delay, d1 | | 24.1 | 0.0 | 38.0 | 9.4 | | | | | | 32.3 | 34.2 |
| Progression Factor | | 1.00 | 1.00 | 0.58 | 0.47 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 2.3 | 0.5 | 6.5 | 0.3 | | | | | | 4.1 | 21.0 |
| Delay (s) | | 26.5 | 0.5 | 28.5 | 4.8 | | | | | | 36.3 | 55.2 |
| Level of Service | | C | A | C | A | | | | | | D | E |
| Approach Delay (s) | | 20.0 | | | 11.0 | | | 0.0 | | | 46.7 | |
| Approach LOS | | B | | | B | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.80 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 72.9% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.662 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 52.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 363 | 63 | 530 | 260 | 90 | 117 | 87 | 1012 | 330 | 582 | 1427 | 157 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 363 | 63 | 530 | 260 | 90 | 117 | 87 | 1012 | 330 | 582 | 1427 | 157 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 381 | 66 | 556 | 273 | 94 | 123 | 91 | 1062 | 346 | 611 | 1497 | 165 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 381 | 66 | 556 | 273 | 94 | 123 | 91 | 1062 | 346 | 611 | 1497 | 165 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 381 | 66 | 556 | 273 | 94 | 123 | 91 | 1062 | 346 | 611 | 1497 | 165 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.03 | 0.20 | 0.08 | 0.05 | 0.08 | 0.03 | 0.20 | 0.21 | 0.17 | 0.29 | 0.10 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.11 | 0.35 | 0.35 | 0.09 | 0.33 | 0.33 | 0.10 | 0.26 | 0.26 | 0.17 | 0.34 | 0.34 |
| Volume/Cap: | 1.00 | 0.10 | 0.57 | 0.88 | 0.15 | 0.23 | 0.27 | 0.79 | 0.83 | 1.00 | 0.86 | 0.30 |
| Delay/Veh: | 99.4 | 26.7 | 32.8 | 77.9 | 28.9 | 29.8 | 50.7 | 44.8 | 55.1 | 85.8 | 41.8 | 29.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 99.4 | 26.7 | 32.8 | 77.9 | 28.9 | 29.8 | 50.7 | 44.8 | 55.1 | 85.8 | 41.8 | 29.8 |
| LOS by Move: | F | C | C | E | C | C | D | D | E | F | D | C |
| HCM2kAvgQ: | 11 | 2 | 10 | 8 | 2 | 3 | 2 | 15 | 14 | 17 | 21 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 105 | Critical Vol./Cap.(X): | 0.483 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 35.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 72 | 36 | 14 | 281 | 41 | 146 | 168 | 874 | 142 | 67 | 892 | 371 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 72 | 36 | 14 | 281 | 41 | 146 | 168 | 874 | 142 | 67 | 892 | 371 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 76 | 38 | 15 | 296 | 43 | 154 | 177 | 920 | 149 | 71 | 939 | 391 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 76 | 38 | 15 | 296 | 43 | 154 | 177 | 920 | 149 | 71 | 939 | 391 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 76 | 38 | 15 | 296 | 43 | 154 | 177 | 920 | 149 | 71 | 939 | 391 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.01 | 0.01 | 0.08 | 0.01 | 0.10 | 0.05 | 0.18 | 0.09 | 0.02 | 0.18 | 0.24 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.10 | 0.31 | 0.31 | 0.10 | 0.31 | 0.31 | 0.10 | 0.29 | 0.29 | 0.15 | 0.34 | 0.34 |
| Volume/Cap: | 0.23 | 0.03 | 0.03 | 0.89 | 0.04 | 0.30 | 0.53 | 0.62 | 0.32 | 0.13 | 0.53 | 0.71 |
| Delay/Veh: | 44.3 | 25.0 | 24.9 | 70.6 | 25.0 | 27.6 | 46.9 | 33.5 | 30.0 | 38.5 | 28.0 | 34.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.3 | 25.0 | 24.9 | 70.6 | 25.0 | 27.6 | 46.9 | 33.5 | 30.0 | 38.5 | 28.0 | 34.0 |
| LOS by Move: | D | C | C | E | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 1 | 0 | 0 | 8 | 0 | 4 | 4 | 10 | 4 | 1 | 9 | 12 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1367 | 435 | 0 | 1522 | 359 | 0 | 0 | 0 | 512 | 0 | 644 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.99 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7354 | 1488 | | 5588 | 1548 | | | | 1863 | 1840 | 1831 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7354 | 1488 | | 5588 | 1548 | | | | 1863 | 1840 | 1831 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1395 | 444 | 0 | 1553 | 366 | 0 | 0 | 0 | 522 | 0 | 657 |
| RTOR Reduction (vph) | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Lane Group Flow (vph) | 0 | 1492 | 324 | 0 | 1553 | 366 | 0 | 0 | 0 | 407 | 385 | 375 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 30.5 | 60.0 | | 30.5 | 60.0 | | | | 17.5 | 17.5 | 17.5 |
| Effective Green, g (s) | | 30.5 | 60.0 | | 30.5 | 60.0 | | | | 17.5 | 17.5 | 17.5 |
| Actuated g/C Ratio | | 0.51 | 1.00 | | 0.51 | 1.00 | | | | 0.29 | 0.29 | 0.29 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 3738 | 1488 | | 2841 | 1548 | | | | 543 | 537 | 534 |
| v/s Ratio Prot | | 0.20 | | | c0.28 | | | | | c0.22 | 0.21 | |
| v/s Ratio Perm | | | 0.22 | | | 0.24 | | | | | | 0.20 |
| v/c Ratio | | 0.40 | 0.22 | | 0.55 | 0.24 | | | | 0.75 | 0.72 | 0.70 |
| Uniform Delay, d1 | | 9.1 | 0.0 | | 10.0 | 0.0 | | | | 19.3 | 19.0 | 18.9 |
| Progression Factor | | 1.00 | 1.00 | | 0.52 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.3 | 0.3 | | 0.6 | 0.3 | | | | 4.9 | 3.8 | 3.4 |
| Delay (s) | | 9.4 | 0.3 | | 5.8 | 0.3 | | | | 24.2 | 22.8 | 22.3 |
| Level of Service | | A | A | | A | A | | | | C | C | C |
| Approach Delay (s) | | 7.8 | | | 4.8 | | | 0.0 | | | 23.1 | |
| Approach LOS | | A | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 10.3 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.62 | | |
| Actuated Cycle Length (s) | 60.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 66.5% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 708 | 288 | 996 | 435 | 405 | 199 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.98 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2741 | 3776 | 2822 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2741 | 3776 | 2822 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 745 | 303 | 1048 | 458 | 426 | 209 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 145 | 0 | 135 |
| Lane Group Flow (vph) | 745 | 303 | 1048 | 313 | 426 | 74 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 54.6 | 80.0 | 54.6 | 54.6 | 13.4 | 13.4 |
| Effective Green, g (s) | 55.9 | 80.0 | 55.9 | 54.6 | 14.7 | 14.7 |
| Actuated g/C Ratio | 0.70 | 1.00 | 0.70 | 0.68 | 0.18 | 0.18 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 4626 | 1636 | 3672 | 1871 | 694 | 519 |
| v/s Ratio Prot | 0.11 | | c0.20 | | c0.11 | |
| v/s Ratio Perm | | 0.19 | | 0.11 | | 0.03 |
| v/c Ratio | 0.16 | 0.19 | 0.29 | 0.17 | 0.61 | 0.14 |
| Uniform Delay, d1 | 4.1 | 0.0 | 4.5 | 4.6 | 30.0 | 27.4 |
| Progression Factor | 1.00 | 1.00 | 0.44 | 0.35 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.1 | 0.2 | 0.2 | 0.2 | 1.1 | 0.0 |
| Delay (s) | 4.2 | 0.2 | 2.2 | 1.8 | 31.2 | 27.4 |
| Level of Service | A | A | A | A | C | C |
| Approach Delay (s) | 3.0 | | 2.1 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 7.9 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.35 | | |
| Actuated Cycle Length (s) | 80.0 | Sum of lost time (s) | 9.4 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1466 | 0 | 0 | 1898 | 482 | 224 | 0 | 567 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6006 | 1282 | 3433 | | 2741 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6006 | 1282 | 3433 | | 2741 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1543 | 0 | 0 | 1998 | 507 | 236 | 0 | 597 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 19 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1543 | 0 | 0 | 2058 | 441 | 236 | 0 | 578 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 35.0 | | | 35.0 | 70.0 | 23.0 | | 23.0 | | | |
| Effective Green, g (s) | | 35.0 | | | 35.0 | 70.0 | 23.0 | | 23.0 | | | |
| Actuated g/C Ratio | | 0.50 | | | 0.50 | 1.00 | 0.33 | | 0.33 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 3204 | | | 3003 | 1282 | 1128 | | 901 | | | |
| v/s Ratio Prot | | 0.24 | | | c0.34 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.34 | 0.07 | | c0.21 | | | |
| v/c Ratio | | 0.48 | | | 0.69 | 0.34 | 0.21 | | 0.64 | | | |
| Uniform Delay, d1 | | 11.5 | | | 13.3 | 0.0 | 16.9 | | 20.0 | | | |
| Progression Factor | | 0.57 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 0.4 | | | 1.3 | 0.7 | 0.4 | | 3.5 | | | |
| Delay (s) | | 7.0 | | | 14.6 | 0.7 | 17.4 | | 23.5 | | | |
| Level of Service | | A | | | B | A | B | | C | | | |
| Approach Delay (s) | | 7.0 | | | 12.2 | | | 21.8 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 12.2 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.67 | | |
| Actuated Cycle Length (s) | 70.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 51.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 264 | 1495 | 0 | 0 | 1524 | 130 | 346 | 1 | 485 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 269 | 1526 | 0 | 0 | 1555 | 133 | 353 | 1 | 495 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 269 | 1526 | 0 | 0 | 1555 | 133 | 0 | 354 | 482 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 10.1 | 51.3 | | | 36.7 | 95.0 | | 31.7 | 31.7 | | | |
| Effective Green, g (s) | 9.6 | 51.8 | | | 37.2 | 95.0 | | 32.2 | 32.2 | | | |
| Actuated g/C Ratio | 0.10 | 0.55 | | | 0.39 | 1.00 | | 0.34 | 0.34 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 347 | 2773 | | | 1991 | 1583 | | 601 | 537 | | | |
| v/s Ratio Prot | c0.08 | 0.30 | | | c0.31 | | | 0.20 | | | | |
| v/s Ratio Perm | | | | | | 0.08 | | | c0.30 | | | |
| v/c Ratio | 0.78 | 0.55 | | | 0.78 | 0.08 | | 0.59 | 0.90 | | | |
| Uniform Delay, d1 | 41.6 | 14.0 | | | 25.3 | 0.0 | | 25.9 | 29.8 | | | |
| Progression Factor | 1.25 | 0.40 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 6.7 | 0.1 | | | 3.1 | 0.1 | | 1.5 | 17.5 | | | |
| Delay (s) | 58.8 | 5.8 | | | 28.5 | 0.1 | | 27.4 | 47.3 | | | |
| Level of Service | E | A | | | C | A | | C | D | | | |
| Approach Delay (s) | | 13.7 | | | 26.2 | | | 39.0 | | | 0.0 | |
| Approach LOS | | B | | | C | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 23.5 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.83 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 72.9% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1467 | 412 | 0 | 1289 | 359 | 592 | 0 | 707 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 1.00 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.90 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.98 | 1.00 | | | |
| Satd. Flow (prot) | | 4784 | 1343 | | 6408 | 1562 | 1681 | 1484 | 1480 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.98 | 1.00 | | | |
| Satd. Flow (perm) | | 4784 | 1343 | | 6408 | 1562 | 1681 | 1484 | 1480 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1497 | 420 | 0 | 1315 | 366 | 604 | 0 | 721 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1534 | 378 | 0 | 1315 | 366 | 459 | 434 | 418 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 24.9 | 60.0 | | 24.9 | 60.0 | 23.1 | 23.1 | 23.1 | | | |
| Effective Green, g (s) | | 24.9 | 60.0 | | 24.9 | 60.0 | 23.1 | 23.1 | 23.1 | | | |
| Actuated g/C Ratio | | 0.41 | 1.00 | | 0.41 | 1.00 | 0.39 | 0.39 | 0.39 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 1985 | 1343 | | 2659 | 1562 | 647 | 571 | 570 | | | |
| v/s Ratio Prot | | c0.32 | | | 0.21 | | 0.27 | c0.29 | | | | |
| v/s Ratio Perm | | | 0.28 | | | 0.23 | | | 0.28 | | | |
| v/c Ratio | | 0.77 | 0.28 | | 0.49 | 0.23 | 0.71 | 0.76 | 0.73 | | | |
| Uniform Delay, d1 | | 15.1 | 0.0 | | 12.9 | 0.0 | 15.6 | 16.0 | 15.8 | | | |
| Progression Factor | | 0.64 | 1.00 | | 0.34 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 1.6 | 0.5 | | 0.0 | 0.2 | 6.5 | 9.2 | 8.1 | | | |
| Delay (s) | | 11.2 | 0.5 | | 4.4 | 0.2 | 22.1 | 25.3 | 24.0 | | | |
| Level of Service | | B | A | | A | A | C | C | C | | | |
| Approach Delay (s) | | 9.1 | | | 3.5 | | | 23.7 | | | 0.0 | |
| Approach LOS | | A | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.1 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.77 | | |
| Actuated Cycle Length (s) | 60.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 71.2% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 153 | 960 | 0 | 0 | 954 | 356 | 0 | 0 | 578 | 0 | 0 | 477 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 0.97 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 0.98 | 0.85 | | | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7580 | 1368 | | | 3378 | | | 2875 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7580 | 1368 | | | 3378 | | | 2875 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 156 | 980 | 0 | 0 | 973 | 363 | 0 | 0 | 590 | 0 | 0 | 487 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 21 | 119 | 0 | 0 | 544 | 0 | 0 | 452 |
| Lane Group Flow (vph) | 156 | 980 | 0 | 0 | 1075 | 121 | 0 | 0 | 46 | 0 | 0 | 35 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 7.9 | 52.8 | | | 40.4 | 40.4 | | | 5.0 | | | 5.7 |
| Effective Green, g (s) | 7.9 | 54.1 | | | 41.7 | 40.4 | | | 6.3 | | | 5.7 |
| Actuated g/C Ratio | 0.10 | 0.68 | | | 0.52 | 0.50 | | | 0.08 | | | 0.07 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 362 | 5213 | | | 3951 | 691 | | | 266 | | | 205 |
| v/s Ratio Prot | c0.04 | 0.13 | | | c0.14 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.09 | | | c0.01 | | | c0.01 |
| v/c Ratio | 0.43 | 0.19 | | | 0.27 | 0.18 | | | 0.17 | | | 0.17 |
| Uniform Delay, d1 | 33.9 | 4.8 | | | 10.7 | 10.8 | | | 34.4 | | | 34.9 |
| Progression Factor | 0.91 | 0.55 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 0.3 | 0.1 | | | 0.2 | 0.6 | | | 0.1 | | | 0.1 |
| Delay (s) | 31.2 | 2.7 | | | 10.9 | 11.3 | | | 34.5 | | | 35.1 |
| Level of Service | C | A | | | B | B | | | C | | | D |
| Approach Delay (s) | | 6.6 | | | 10.9 | | | 34.5 | | | 35.1 | |
| Approach LOS | | A | | | B | | | C | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 16.8 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.27 | | |
| Actuated Cycle Length (s) | 80.0 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 42.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.562 |
| Loss Time (sec): | 12 | Average Delay (sec/veh): | 19.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | B |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Permitted | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 21 | 21 | 10 | 21 | 0 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 0 | 1 | 0 0 | 0 0 | 0 | 0 0 | 3 0 | 1 | 1 0 | 3 0 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 141 | 0 | 99 | 0 | 0 | 0 | 0 | 1941 | 92 | 51 | 2239 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 141 | 0 | 99 | 0 | 0 | 0 | 0 | 1941 | 92 | 51 | 2239 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 148 | 0 | 104 | 0 | 0 | 0 | 0 | 2043 | 97 | 54 | 2357 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 148 | 0 | 104 | 0 | 0 | 0 | 0 | 2043 | 97 | 54 | 2357 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 148 | 0 | 104 | 0 | 0 | 0 | 0 | 2043 | 97 | 54 | 2357 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.85 | 0.95 | 0.91 | 1.00 |
| Lanes: | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 1.00 | 1.00 | 3.00 | 0.00 |
| Final Sat.: | 1805 | 0 | 1615 | 0 | 0 | 0 | 0 | 5187 | 1615 | 1805 | 5187 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.06 | 0.03 | 0.45 | 0.00 |
| Crit Moves: | **** | | | | | | | **** | | **** | | |
| Green/Cycle: | 0.28 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.54 | 0.08 | 0.63 | 0.00 |
| Volume/Cap: | 0.30 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 0.11 | 0.36 | 0.73 | 0.00 |
| Delay/Veh: | 34.7 | 0.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.8 | 13.5 | 53.4 | 16.3 | 0.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.7 | 0.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.8 | 13.5 | 53.4 | 16.3 | 0.0 |
| LOS by Move: | C | A | C | A | A | A | A | C | B | D | B | A |
| HCM2kAvgQ: | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 21 | 2 | 2 | 22 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.416
Loss Time (sec): 16 | Average Delay (sec/veh): 32.3
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 182 | 20 | 37 | 26 | 16 | 95 | 182 | 1486 | 312 | 47 | 1377 | 48 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 182 | 20 | 37 | 26 | 16 | 95 | 182 | 1486 | 312 | 47 | 1377 | 48 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| PHF Volume: | 186 | 20 | 38 | 27 | 16 | 97 | 186 | 1518 | 319 | 48 | 1407 | 49 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 186 | 20 | 38 | 27 | 16 | 97 | 186 | 1518 | 319 | 48 | 1407 | 49 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 186 | 20 | 38 | 27 | 16 | 97 | 186 | 1518 | 319 | 48 | 1407 | 49 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.90 | 0.90 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.35 | 0.65 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 602 | 1114 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.03 | 0.03 | 0.01 | 0.01 | 0.06 | 0.05 | 0.29 | 0.20 | 0.03 | 0.27 | 0.03 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.20 | 0.28 | 0.28 | 0.08 | 0.16 | 0.16 | 0.12 | 0.43 | 0.43 | 0.08 | 0.39 | 0.39 |
| Volume/Cap: | 0.52 | 0.12 | 0.12 | 0.09 | 0.05 | 0.37 | 0.44 | 0.69 | 0.46 | 0.32 | 0.70 | 0.08 |
| Delay/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 42.8 | 45.9 | 49.9 | 29.0 | 25.2 | 53.0 | 31.8 | 23.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 42.8 | 45.9 | 49.9 | 29.0 | 25.2 | 53.0 | 31.8 | 23.2 |
| LOS by Move: | D | C | C | D | D | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 7 | 2 | 2 | 1 | 1 | 3 | 4 | 17 | 8 | 2 | 17 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.686 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 44.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 614 | 102 | 209 | 19 | 65 | 122 | 244 | 1200 | 730 | 130 | 912 | 31 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 614 | 102 | 209 | 19 | 65 | 122 | 244 | 1200 | 730 | 130 | 912 | 31 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 646 | 107 | 220 | 20 | 68 | 128 | 257 | 1263 | 768 | 137 | 960 | 33 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 646 | 107 | 220 | 20 | 68 | 128 | 257 | 1263 | 768 | 137 | 960 | 33 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 646 | 107 | 220 | 20 | 68 | 128 | 257 | 1263 | 768 | 137 | 960 | 33 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.18 | 0.03 | 0.14 | 0.01 | 0.02 | 0.08 | 0.07 | 0.24 | 0.48 | 0.04 | 0.19 | 0.02 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.20 | 0.36 | 0.36 | 0.11 | 0.28 | 0.28 | 0.12 | 0.31 | 0.51 | 0.08 | 0.28 | 0.28 |
| Volume/Cap: | 0.94 | 0.08 | 0.38 | 0.05 | 0.07 | 0.29 | 0.63 | 0.78 | 0.94 | 0.47 | 0.66 | 0.07 |
| Delay/Veh: | 67.6 | 25.2 | 28.6 | 47.9 | 32.2 | 34.6 | 53.8 | 40.2 | 45.5 | 53.7 | 39.5 | 32.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 67.6 | 25.2 | 28.6 | 47.9 | 32.2 | 34.6 | 53.8 | 40.2 | 45.5 | 53.7 | 39.5 | 32.0 |
| LOS by Move: | E | C | C | D | C | C | D | D | D | D | D | C |
| HCM2kAvgQ: | 16 | 1 | 6 | 0 | 1 | 4 | 6 | 17 | 31 | 3 | 12 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.647
Loss Time (sec): 16 | Average Delay (sec/veh): 36.5
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 370 | 298 | 187 | 94 | 121 | 253 | 291 | 927 | 320 | 138 | 687 | 72 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 370 | 298 | 187 | 94 | 121 | 253 | 291 | 927 | 320 | 138 | 687 | 72 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 374 | 302 | 189 | 95 | 122 | 256 | 295 | 938 | 324 | 140 | 695 | 73 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 374 | 302 | 189 | 95 | 122 | 256 | 295 | 938 | 324 | 140 | 695 | 73 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 374 | 302 | 189 | 95 | 122 | 256 | 295 | 938 | 324 | 140 | 695 | 73 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.16 | 0.12 | 0.03 | 0.03 | 0.16 | 0.08 | 0.18 | 0.20 | 0.08 | 0.13 | 0.05 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.35 | 0.35 | 0.11 | 0.33 | 0.33 | 0.10 | 0.28 | 0.28 | 0.10 | 0.28 | 0.28 |
| Volume/Cap: | 0.82 | 0.45 | 0.33 | 0.25 | 0.10 | 0.48 | 0.84 | 0.65 | 0.72 | 0.77 | 0.48 | 0.16 |
| Delay/Veh: | 53.9 | 25.4 | 24.1 | 41.3 | 23.3 | 27.4 | 60.7 | 32.7 | 37.8 | 62.5 | 30.2 | 27.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.9 | 25.4 | 24.1 | 41.3 | 23.3 | 27.4 | 60.7 | 32.7 | 37.8 | 62.5 | 30.2 | 27.3 |
| LOS by Move: | D | C | C | D | C | C | E | C | D | E | C | C |
| HCM2kAvgQ: | 8 | 7 | 4 | 2 | 1 | 7 | 7 | 10 | 10 | 6 | 7 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 115 | Critical Vol./Cap.(X): 0.785
Loss Time (sec): 16 | Average Delay (sec/veh): 41.0
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 246 | 686 | 378 | 181 | 793 | 146 | 202 | 1441 | 353 | 494 | 1158 | 252 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 246 | 686 | 378 | 181 | 793 | 146 | 202 | 1441 | 353 | 494 | 1158 | 252 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 259 | 722 | 398 | 191 | 835 | 154 | 213 | 1517 | 372 | 520 | 1219 | 265 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 259 | 722 | 398 | 191 | 835 | 154 | 213 | 1517 | 372 | 520 | 1219 | 265 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 259 | 722 | 398 | 191 | 835 | 154 | 213 | 1517 | 372 | 520 | 1219 | 265 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.14 | 0.25 | 0.05 | 0.16 | 0.10 | 0.06 | 0.29 | 0.23 | 0.15 | 0.24 | 0.16 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.23 | 0.39 | 0.14 | 0.29 | 0.29 | 0.11 | 0.32 | 0.32 | 0.16 | 0.37 | 0.37 |
| Volume/Cap: | 0.85 | 0.60 | 0.63 | 0.38 | 0.56 | 0.33 | 0.54 | 0.91 | 0.71 | 0.91 | 0.63 | 0.44 |
| Delay/Veh: | 71.5 | 40.5 | 30.0 | 45.1 | 35.3 | 32.7 | 49.6 | 44.7 | 38.8 | 65.1 | 30.1 | 27.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 71.5 | 40.5 | 30.0 | 45.1 | 35.3 | 32.7 | 49.6 | 44.7 | 38.8 | 65.1 | 30.1 | 27.5 |
| LOS by Move: | E | D | C | D | D | C | D | D | D | E | C | C |
| HCM2kAvgQ: | 7 | 9 | 12 | 3 | 10 | 4 | 4 | 22 | 13 | 13 | 13 | 7 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 105 Critical Vol./Cap.(X): 0.480
Loss Time (sec): 16 Average Delay (sec/veh): 34.6
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 115 | 529 | 29 | 898 | 563 | 260 | 294 | 673 | 155 | 29 | 605 | 756 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 115 | 529 | 29 | 898 | 563 | 260 | 294 | 673 | 155 | 29 | 605 | 756 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 119 | 546 | 30 | 927 | 581 | 268 | 303 | 695 | 160 | 30 | 624 | 780 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 119 | 546 | 30 | 927 | 581 | 268 | 303 | 695 | 160 | 30 | 624 | 780 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 119 | 546 | 30 | 927 | 581 | 268 | 303 | 695 | 160 | 30 | 624 | 780 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.11 | 0.02 | 0.26 | 0.11 | 0.17 | 0.09 | 0.13 | 0.10 | 0.01 | 0.12 | 0.48 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.12 | 0.12 | 0.31 | 0.33 | 0.33 | 0.10 | 0.32 | 0.32 | 0.10 | 0.31 | 0.62 |
| Volume/Cap: | 0.36 | 0.86 | 0.15 | 0.86 | 0.34 | 0.50 | 0.83 | 0.42 | 0.31 | 0.09 | 0.38 | 0.78 |
| Delay/Veh: | 45.1 | 57.0 | 41.6 | 41.7 | 26.4 | 28.7 | 60.4 | 28.1 | 27.2 | 43.2 | 28.2 | 18.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 45.1 | 57.0 | 41.6 | 41.7 | 26.4 | 28.7 | 60.4 | 28.1 | 27.2 | 43.2 | 28.2 | 18.5 |
| LOS by Move: | D | E | D | D | C | C | E | C | C | D | C | B |
| HCM2kAvgQ: | 2 | 9 | 1 | 17 | 5 | 7 | 7 | 7 | 4 | 1 | 6 | 20 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 105 Critical Vol./Cap.(X): 0.659
Loss Time (sec): 16 Average Delay (sec/veh): 35.2
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 95 | 376 | 315 | 116 | 263 | 404 | 436 | 885 | 100 | 193 | 669 | 94 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 95 | 376 | 315 | 116 | 263 | 404 | 436 | 885 | 100 | 193 | 669 | 94 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 100 | 396 | 332 | 122 | 277 | 425 | 459 | 932 | 105 | 203 | 704 | 99 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 100 | 396 | 332 | 122 | 277 | 425 | 459 | 932 | 105 | 203 | 704 | 99 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 100 | 396 | 332 | 122 | 277 | 425 | 459 | 932 | 105 | 203 | 704 | 99 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.08 | 0.21 | 0.03 | 0.05 | 0.26 | 0.13 | 0.18 | 0.07 | 0.06 | 0.14 | 0.06 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.32 | 0.32 | 0.10 | 0.32 | 0.32 | 0.16 | 0.32 | 0.32 | 0.11 | 0.27 | 0.27 |
| Volume/Cap: | 0.30 | 0.24 | 0.64 | 0.36 | 0.16 | 0.81 | 0.81 | 0.57 | 0.21 | 0.52 | 0.51 | 0.23 |
| Delay/Veh: | 44.7 | 26.2 | 33.0 | 44.9 | 25.4 | 41.9 | 51.2 | 30.5 | 26.5 | 45.1 | 33.0 | 30.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.7 | 26.2 | 33.0 | 44.9 | 25.4 | 41.9 | 51.2 | 30.5 | 26.5 | 45.1 | 33.0 | 30.4 |
| LOS by Move: | D | C | C | D | C | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 2 | 3 | 10 | 2 | 2 | 15 | 10 | 10 | 3 | 4 | 7 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 60 | Critical Vol./Cap.(X): | 0.329 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 27.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 38 | 503 | 20 | 51 | 122 | 177 | 223 | 329 | 71 | 11 | 215 | 114 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 38 | 503 | 20 | 51 | 122 | 177 | 223 | 329 | 71 | 11 | 215 | 114 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 40 | 529 | 21 | 54 | 128 | 186 | 235 | 346 | 75 | 12 | 226 | 120 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 40 | 529 | 21 | 54 | 128 | 186 | 235 | 346 | 75 | 12 | 226 | 120 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 40 | 529 | 21 | 54 | 128 | 186 | 235 | 346 | 75 | 12 | 226 | 120 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.10 | 0.01 | 0.02 | 0.02 | 0.12 | 0.07 | 0.10 | 0.05 | 0.00 | 0.06 | 0.07 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.11 | 0.28 | 0.28 | 0.11 | 0.28 | 0.28 | 0.11 | 0.21 | 0.21 | 0.21 | 0.31 | 0.31 |
| Volume/Cap: | 0.10 | 0.37 | 0.05 | 0.13 | 0.09 | 0.42 | 0.58 | 0.45 | 0.22 | 0.02 | 0.20 | 0.24 |
| Delay/Veh: | 34.6 | 25.6 | 23.2 | 34.8 | 23.4 | 26.4 | 38.7 | 30.3 | 28.6 | 27.1 | 22.2 | 22.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.6 | 25.6 | 23.2 | 34.8 | 23.4 | 26.4 | 38.7 | 30.3 | 28.6 | 27.1 | 22.2 | 22.6 |
| LOS by Move: | C | C | C | C | C | C | D | C | C | C | C | C |
| HCM2kAvgQ: | 1 | 4 | 0 | 1 | 1 | 4 | 4 | 5 | 2 | 0 | 2 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 90 | Critical Vol./Cap.(X): | 0.427 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 30.2 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 355 | 526 | 36 | 9 | 133 | 33 | 42 | 38 | 282 | 113 | 178 | 19 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 355 | 526 | 36 | 9 | 133 | 33 | 42 | 38 | 282 | 113 | 178 | 19 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 374 | 554 | 38 | 9 | 140 | 35 | 44 | 40 | 297 | 119 | 187 | 20 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 374 | 554 | 38 | 9 | 140 | 35 | 44 | 40 | 297 | 119 | 187 | 20 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 374 | 554 | 38 | 9 | 140 | 35 | 44 | 40 | 297 | 119 | 187 | 20 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 | 0.01 | 0.01 | 0.18 | 0.03 | 0.05 | 0.01 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.14 | 0.29 | 0.29 | 0.12 | 0.27 | 0.27 | 0.11 | 0.30 | 0.30 | 0.11 | 0.30 | 0.30 |
| Volume/Cap: | 0.74 | 0.37 | 0.08 | 0.02 | 0.10 | 0.08 | 0.11 | 0.04 | 0.61 | 0.31 | 0.17 | 0.04 |
| Delay/Veh: | 42.6 | 25.5 | 23.3 | 34.9 | 24.9 | 24.8 | 36.1 | 22.3 | 29.3 | 37.3 | 23.3 | 22.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 42.6 | 25.5 | 23.3 | 34.9 | 24.9 | 24.8 | 36.1 | 22.3 | 29.3 | 37.3 | 23.3 | 22.4 |
| LOS by Move: | D | C | C | C | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 7 | 5 | 1 | 0 | 1 | 1 | 1 | 0 | 8 | 2 | 2 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.603
Loss Time (sec): 16 | Average Delay (sec/veh): 37.8
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 195 | 361 | 564 | 210 | 344 | 68 | 179 | 747 | 320 | 605 | 627 | 404 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 195 | 361 | 564 | 210 | 344 | 68 | 179 | 747 | 320 | 605 | 627 | 404 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 204 | 377 | 589 | 219 | 359 | 71 | 187 | 781 | 334 | 632 | 655 | 422 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 204 | 377 | 589 | 219 | 359 | 71 | 187 | 781 | 334 | 632 | 655 | 422 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 204 | 377 | 589 | 219 | 359 | 71 | 187 | 781 | 334 | 632 | 655 | 422 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.07 | 0.36 | 0.06 | 0.07 | 0.04 | 0.05 | 0.15 | 0.21 | 0.18 | 0.13 | 0.26 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.09 | 0.26 | 0.48 | 0.13 | 0.30 | 0.30 | 0.12 | 0.25 | 0.25 | 0.22 | 0.34 | 0.34 |
| Volume/Cap: | 0.64 | 0.28 | 0.76 | 0.49 | 0.23 | 0.15 | 0.45 | 0.61 | 0.84 | 0.84 | 0.37 | 0.76 |
| Delay/Veh: | 52.6 | 32.4 | 28.2 | 45.3 | 29.0 | 28.3 | 45.8 | 37.5 | 53.4 | 49.3 | 27.2 | 38.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.6 | 32.4 | 28.2 | 45.3 | 29.0 | 28.3 | 45.8 | 37.5 | 53.4 | 49.3 | 27.2 | 38.1 |
| LOS by Move: | D | C | C | D | C | C | D | D | D | D | C | D |
| HCM2kAvgQ: | 5 | 4 | 18 | 4 | 3 | 2 | 4 | 9 | 13 | 13 | 6 | 14 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.256
Loss Time (sec): 12 Average Delay (sec/veh): 21.1
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 24 | 0 | 155 | 272 | 846 | 0 | 0 | 616 | 32 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 24 | 0 | 155 | 272 | 846 | 0 | 0 | 616 | 32 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 25 | 0 | 163 | 286 | 890 | 0 | 0 | 648 | 34 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 25 | 0 | 163 | 286 | 890 | 0 | 0 | 648 | 34 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 25 | 0 | 163 | 286 | 890 | 0 | 0 | 648 | 34 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 0.86 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 1.87 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1862 | 0 | 3063 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.05 | 0.08 | 0.17 | 0.00 | 0.00 | 0.12 | 0.02 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.41 | 0.14 | 0.45 | 0.00 | 0.00 | 0.31 | 0.31 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.13 | 0.58 | 0.38 | 0.00 | 0.00 | 0.41 | 0.07 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 15.6 | 35.8 | 15.8 | 0.0 | 0.0 | 23.6 | 21.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 15.6 | 35.8 | 15.8 | 0.0 | 0.0 | 23.6 | 21.0 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 5 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.739 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 42.1 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 1 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 234 | 93 | 73 | 207 | 64 | 191 | 139 | 2030 | 218 | 58 | 1626 | 77 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 234 | 93 | 73 | 207 | 64 | 191 | 139 | 2030 | 218 | 58 | 1626 | 77 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 246 | 98 | 77 | 218 | 67 | 201 | 146 | 2137 | 229 | 61 | 1712 | 81 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 246 | 98 | 77 | 218 | 67 | 201 | 146 | 2137 | 229 | 61 | 1712 | 81 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 246 | 98 | 77 | 218 | 67 | 201 | 146 | 2137 | 229 | 61 | 1712 | 81 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.95 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 1805 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.03 | 0.05 | 0.06 | 0.02 | 0.12 | 0.08 | 0.41 | 0.14 | 0.03 | 0.33 | 0.05 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.18 | 0.18 | 0.18 | 0.28 | 0.28 | 0.10 | 0.43 | 0.51 | 0.08 | 0.41 | 0.41 |
| Volume/Cap: | 0.84 | 0.15 | 0.27 | 0.35 | 0.07 | 0.45 | 0.79 | 0.97 | 0.28 | 0.41 | 0.81 | 0.12 |
| Delay/Veh: | 73.8 | 41.7 | 42.9 | 43.4 | 32.2 | 36.8 | 72.8 | 46.5 | 17.1 | 54.0 | 34.1 | 22.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 73.8 | 41.7 | 42.9 | 43.4 | 32.2 | 36.8 | 72.8 | 46.5 | 17.1 | 54.0 | 34.1 | 22.4 |
| LOS by Move: | E | D | D | D | C | D | E | D | B | D | C | C |
| HCM2kAvgQ: | 7 | 2 | 3 | 4 | 1 | 6 | 7 | 34 | 5 | 3 | 22 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Current RCIP (No Project) Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.422
Loss Time (sec): 16 Average Delay (sec/veh): 31.6
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 80 | 3 | 1 | 5 | 1 | 18 | 68 | 1199 | 61 | 2 | 1541 | 3 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 80 | 3 | 1 | 5 | 1 | 18 | 68 | 1199 | 61 | 2 | 1541 | 3 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 84 | 3 | 1 | 5 | 1 | 19 | 71 | 1252 | 64 | 2 | 1609 | 3 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 84 | 3 | 1 | 5 | 1 | 19 | 71 | 1252 | 64 | 2 | 1609 | 3 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 84 | 3 | 1 | 5 | 1 | 19 | 71 | 1252 | 64 | 2 | 1609 | 3 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.24 | 0.04 | 0.00 | 0.31 | 0.00 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.08 | 0.38 | 0.38 | 0.13 | 0.43 | 0.43 |
| Volume/Cap: | 0.29 | 0.00 | 0.00 | 0.02 | 0.00 | 0.04 | 0.24 | 0.64 | 0.10 | 0.00 | 0.73 | 0.00 |
| Delay/Veh: | 52.2 | 31.6 | 31.6 | 50.5 | 31.5 | 31.9 | 51.9 | 31.3 | 24.3 | 45.4 | 30.0 | 19.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.2 | 31.6 | 31.6 | 50.5 | 31.5 | 31.9 | 51.9 | 31.3 | 24.3 | 45.4 | 30.0 | 19.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | B |
| HCM2kAvgQ: | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 14 | 1 | 0 | 19 | 0 |

Note: Queue reported is the number of cars per lane.

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to URBAN CROSSROADS, IRVINE

# APPENDIX 7.3

Proposed Menifee General Plan (Post-2035) Refined Model Forecasts

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Goetz Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **239 0 155** | 2012 **146 0 122** |
| < v > | < v > |
| **70** ^ ^ **81** | **329** ^ ^ **161** |
| **370** > < **481** | **546** > < **505** |
| **0** v v **0** | **0** v v **0** |
| < ^ > | < ^ > |
| **0 0 0** | **0 0 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **369 272** | 2012 **390 351** |
| v ^ | v ^ |
| **886** < IN = 1596 < **522** | **1023** < IN = 1964 < **640** |
| **705** > OUT = 1594 > **436** | **934** > OUT = 1964 > **590** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **602 360** | 2035 **616 765** |
| v ^ | v ^ |
| **1104** < IN = 2922 < **1139** | **1577** < IN = 3804 < **1772** |
| **1181** > OUT = 2922 > **1458** | **1416** > OUT = 3805 > **1463** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **10,200** | 2012 10,200 |
| N | N |
| **20,600** W **LEG** E **18,000** | 20,600 W + E 18,000 |
| S | S |
| **0** | 0 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **14,200** | 2035 14,200 |
| N | N |
| **29,600** W **LEG** E **39,000** | 29,600 W + E 39,000 |
| S | S |
| **0** | 0 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[01 Goetz_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Goetz Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | PM |
|---|---|
| EXISTING COUNT YEAR: | EXISTING COUNT YEAR: |
| 2012 | 2012 |
| 394 151 | 268 490 |
| v ^ | v ^ |
| 720 < IN = 1396 < 562 | 651 < IN = 1809 < 666 |
| 440 > OUT = 1396 > 525 | 875 > OUT = 1809 > 668 |
| v ^ | v ^ |
| 0 0 | 0 0 |
| GROWTH CALCULATION DECISION RULE | |
| MIN = Minimum Count Growth Approach | MIN = Minimum Count Growth Approach |
| ADD = Additive (Growth Increment) Approach ADD MUL | ADD = Additive (Growth Increment) Approach MUL ADD |
| MUL = Multiplicative (Ratio) Approach | MUL = Multiplicative (Ratio) Approach |
| v ^ | v ^ |
| MUL < < ADD | MUL < < ADD |
| MUL > > ADD | MUL > > ADD |
| v ^ | v ^ |
| MUL MUL | MUL MUL |
| MINIMUM GROWTH %s 2012 TO 2035 | |
| 0% 0% | 0% 0% |
| v ^ | v ^ |
| 0% < < 0% | 0% < < 0% |
| 0% > > 0% | 0% > > 0% |
| v ^ | v ^ |
| 0% 0% | 0% 0% |
| REFINED GROWTH: 2012 TO 2035 | ADJUSTED GROWTH: 2012 TO 2035 |
| 230 49 | 152 410 |
| v ^ | v ^ |
| 180 < < 620 | 349 < < 1130 |
| 300 > > 1020 | 455 > > 870 |
| v ^ | v ^ |
| 0 0 | 0 0 |
| PRORATED GROWTH: 2012 TO 2035 | PRORATED GROWTH: 2012 TO 2035 |
| 23 YEARS | 23 YEARS |
| 230 50 | 150 410 |
| v ^ | v ^ |
| 180 < < 620 | 350 < < 1130 |
| 300 > > 1020 | 460 > > 870 |
| v ^ | v ^ |
| 0 0 | 0 0 |
| NEW PROJECTED VOLUMES: 2035 | NEW PROJECTED VOLUMES: 2035 |
| 620 200 | 420 931 |
| v ^ | v ^ |
| 900 < IN = 2540 < 1180 | 1035 < IN = 3560 < 1800 |
| 740 > OUT = 2650 > 1550 | 1340 > OUT = 3560 > 1594 |
| v ^ * | v ^ * |
| 0 0 | 0 0 |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[01 Goetz_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Goetz Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 155 | 686 | 531 | 343% | 122 | 387 | 265 | 217% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 239 | 34 | -205 | -86% | 146 | 48 | -98 | -67% |
| | SB Total | 394 | 720 | 326 | 83% | 268 | 435 | 167 | 62% |
| EAST BOUND | Left | 70 | 7 | -63 | -90% | 329 | 181 | -148 | -45% |
| | Through | 370 | 864 | 494 | 134% | 546 | 1,207 | 661 | 121% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 440 | 871 | 431 | 98% | 875 | 1,388 | 0 | 0% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 481 | 866 | 385 | 80% | 505 | 987 | 482 | 95% |
| | Right | 81 | 193 | 112 | 138% | 161 | 751 | 590 | 366% |
| | WB Total | 562 | 1,059 | 497 | 88% | 666 | 1,738 | 1,072 | 161% |
| TOTAL ENTERING VOLUME | | 1,396 | 2,650 | 1254 | 90% | 1,809 | 3,561 | 1752 | 97% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 720 | 435 | | | |
| North Leg | Outbound | 200 | 932 | | | |
| **North Leg** | **TOTAL** | **920** | **1,367** | **6%** | **10%** | **14,200** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| East Leg | Inbound | 1,059 | 1,738 | | | |
| East Leg | Outbound | 1,550 | 1,594 | | | |
| **East Leg** | **TOTAL** | **2,609** | **3,332** | **7%** | **9%** | **39,000** |
| West Leg | Inbound | 871 | 1,388 | | | |
| West Leg | Outbound | 900 | 1,035 | | | |
| **West Leg** | **TOTAL** | **1,771** | **2,423** | **6%** | **8%** | **29,600** |
| ***OVERALL TOTAL*** | | ***5,300*** | ***7,122*** | **6%** | ***9%*** | ***82,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[01 Goetz_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Goetz Rd (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**18 192 121**

< v >

**11** ^ ^ **118**

**19** > < **10**

**2** v v **178**

< ^ >

**1 130 120**

EXISTING MODEL YEAR:

**2012**

**317 886**

v ^

**24** < IN = 1295 < **182**

**59** > OUT = 1295 > **126**

v ^

**259 737**

FUTURE MODEL YEAR:

**2035**

**1125 1409**

v ^

**1447** < IN = 5968 < **1321**

**1794** > OUT = 5968 > **2096**

v ^

**1016 1728**

EXISTING (COUNTED) ADTs BY LEG:

2012

**7,900**

N

**700** W **LEG** E **8,200**

S

**8,300**

REFINED FUTURE ADT'S BY LEG:

2035

**26,900**

N

**43,600** W **LEG** E **50,700**

S

**32,300**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**13 208 159**

< v >

**4** ^ ^ **109**

**8** > < **20**

**2** v v **178**

< ^ >

**1 90 133**

EXISTING MODEL YEAR:

2012

**1094 473**

v ^

**64** < IN = 1664 < **147**

**33** > OUT = 1663 > **340**

v ^

**786 390**

FUTURE MODEL YEAR:

2035

**1533 1471**

v ^

**2161** < IN = 7211 < **2422**

**1818** > OUT = 7210 > **1655**

v ^

**1923 1438**

EXISTING (COUNTED) ADTs BY LEG:

2012

7,900

N

700 W + E 8,200

S

8,300

REFINED FUTURE ADT'S BY LEG:

2035

26,900

N

43,600 W + E 50,700

S

32,300

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[02 Goetz_ Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | | | | | PM | | | | |
|---|---|---|---|---|---|---|---|---|---|
| EXISTING COUNT YEAR: | | | | | EXISTING COUNT YEAR: | | | | |
| 2012 | | 331 | 259 | | 2012 | | 380 | 203 | |
| | | v | ^ | | | | v | ^ | |
| | 29 < | IN = | 920 | < 306 | | 34 < | IN = | 925 | < 307 |
| | 32 > | OUT = | 920 | > 260 | | 14 > | OUT = | 925 | > 300 |
| | | v | ^ | | | | v | ^ | |
| | | 372 | 251 | | | | 388 | 224 | |
| GROWTH CALCULATION DECISION RULE | | | | | | | | | |
| MIN = Minimum Count Growth Approach | | | | | MIN = Minimum Count Growth Approach | | | | |
| ADD = Additive (Growth Increment) Approach | | ADD | MUL | | ADD = Additive (Growth Increment) Approach | | MUL | MUL | |
| MUL = Multiplicative (Ratio) Approach | | v | ^ | | MUL = Multiplicative (Ratio) Approach | | v | ^ | |
| | ADD < | | | < ADD | | MUL < | | | < ADD |
| | MUL > | | | > ADD | | MUL > | | | > MUL |
| | | v | ^ | | | | v | ^ | |
| | | ADD | MUL | | | | MUL | MUL | |
| MINIMUM GROWTH %s 2012 TO 2035 | | | | | | | | | |
| | | 0% | 0% | | | | 0% | 0% | |
| | | v | ^ | | | | v | ^ | |
| | 0% < | | | < 0% | | 0% < | | | < 0% |
| | 0% > | | | > 0% | | 0% > | | | > 0% |
| | | v | ^ | | | | v | ^ | |
| | | 0% | 0% | | | | 0% | 0% | |
| REFINED GROWTH: 2012 TO 2035 | | | | | ADJUSTED GROWTH: 2012 TO 2035 | | | | |
| | | 810 | 151 | | | | 150 | 427 | |
| | | v | ^ | | | | v | ^ | |
| | 1420 < | | | < 1140 | | 1116 < | | | < 2280 |
| | 938 > | | | > 1970 | | 756 > | | | > 1160 |
| | | v | ^ | | | | v | ^ | |
| | | 760 | 339 | | | | 562 | 606 | |
| PRORATED GROWTH: 2012 TO 2035 | | | | | PRORATED GROWTH: 2012 TO 2035 | | | | |
| 23 YEARS | | 810 | 150 | | 23 YEARS | | 150 | 430 | |
| | | v | ^ | | | | v | ^ | |
| | 1420 < | | | < 1140 | | 1120 < | | | < 2280 |
| | 940 > | | | > 1970 | | 760 > | | | > 1160 |
| | | v | ^ | | | | v | ^ | |
| | | 760 | 340 | | | | 560 | 610 | |
| NEW PROJECTED VOLUMES: 2035 | | | | | NEW PROJECTED VOLUMES: 2035 | | | | |
| | | 1140 | 410 | | | | 530 | 710 | |
| | | v | ^ | | | | v | ^ | |
| | 1450 < | IN = | 4150 | < 1450 | | 1295 < | IN = | 4720 | < 2590 |
| | 970 > | OUT = | 5220 | > 2230 | | 770 > | OUT = | 4720 | > 1645 |
| | | v | ^ | * | | | v | ^ | * |
| | | 1130 | 590 | | | | 1070 | 830 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[02 Goetz_ Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 1 | 36 | 35 | 3500% | 1 | 18 | 17 | 1700% |
| | Through | 130 | 101 | -29 | -22% | 90 | 127 | 37 | 41% |
| | Right | 120 | 606 | 486 | 405% | 133 | 690 | 557 | 419% |
| | NB Total | 251 | 743 | 492 | 196% | 224 | 835 | 611 | 273% |
| SOUTH BOUND | Left | 121 | 541 | 420 | 347% | 159 | 315 | 156 | 98% |
| | Through | 192 | 317 | 125 | 65% | 208 | 125 | -83 | -40% |
| | Right | 18 | 575 | 557 | 3094% | 13 | 92 | 79 | 608% |
| | SB Total | 331 | 1,433 | 1,102 | 333% | 380 | 532 | 152 | 40% |
| EAST BOUND | Left | 11 | 96 | 85 | 773% | 4 | 87 | 83 | 2075% |
| | Through | 19 | 1,083 | 1,064 | 5600% | 8 | 640 | 632 | 7900% |
| | Right | 2 | 42 | 40 | 2000% | 2 | 48 | 46 | 2300% |
| | EB Total | 32 | 1,221 | 1,189 | 3716% | 14 | 775 | 761 | 5436% |
| WEST BOUND | Left | 178 | 771 | 593 | 333% | 178 | 897 | 719 | 404% |
| | Through | 10 | 839 | 829 | 8290% | 20 | 1,185 | 1,165 | 5825% |
| | Right | 118 | 213 | 95 | 81% | 109 | 495 | 386 | 354% |
| | WB Total | 306 | 1,823 | 1,517 | 496% | 307 | 2,577 | 2,270 | 739% |
| TOTAL ENTERING VOLUME | | 920 | 5,220 | 4300 | 467% | 925 | 4,719 | 3794 | 410% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,433 | 532 | | | |
| North Leg | Outbound | 410 | 709 | | | |
| **North Leg** | **TOTAL** | **1,843** | **1,241** | **7%** | **5%** | **26,900** |
| South Leg | Inbound | 743 | 835 | | | |
| South Leg | Outbound | 1,130 | 1,070 | | | |
| **South Leg** | **TOTAL** | **1,873** | **1,905** | **6%** | **6%** | **32,300** |
| East Leg | Inbound | 1,823 | 2,577 | | | |
| East Leg | Outbound | 2,230 | 1,645 | | | |
| **East Leg** | **TOTAL** | **4,053** | **4,222** | **8%** | **8%** | **50,700** |
| West Leg | Inbound | 1,221 | 775 | | | |
| West Leg | Outbound | 1,450 | 1,295 | | | |
| **West Leg** | **TOTAL** | **2,671** | **2,070** | **6%** | **5%** | **43,600** |
| ***OVERALL TOTAL*** | | ***10,440*** | ***9,438*** | ***7%*** | ***6%*** | ***153,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[02 Goetz_ Ethanac.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Murrieta Rd (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **10** | **26** | **9** | |
| | | | < | v | > | |
| | **1** | ^ | | | ^ | **22** |
| | **222** | > | | | < | **195** |
| | **35** | v | | | v | **97** |
| | | | < | ^ | > | |
| | | | **91** | **126** | **119** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **50** | **412** | |
| | | | | v | ^ | |
| | **171** | < | IN = | 787 | < | **168** |
| | **130** | > | OUT = | 787 | > | **144** |
| | | | | v | ^ | |
| | | | | **60** | **439** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **398** | **480** | |
| | | | | v | ^ | |
| | **1636** | < | IN = | 4352 | < | **1717** |
| | **1776** | > | OUT = | 4353 | > | **2094** |
| | | | | v | ^ | |
| | | | | **143** | **461** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **2,400** | | |
| | | | N | | |
| | **8,700** | W | **LEG** | E | **10,700** |
| | | | S | | |
| | | | **7,300** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **7,400** | | |
| | | | N | | |
| | **50,700** | W | **LEG** | E | **57,700** |
| | | | S | | |
| | | | **9,300** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **1** | **78** | **14** | |
| | | | < | v | > | |
| | **2** | ^ | | | ^ | **7** |
| | **258** | > | | | < | **254** |
| | **75** | v | | | v | **152** |
| | | | < | ^ | > | |
| | | | **56** | **73** | **109** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **447** | **114** | |
| | | | | v | ^ | |
| | **148** | < | IN = | 1065 | < | **170** |
| | **323** | > | OUT = | 1065 | > | **297** |
| | | | | v | ^ | |
| | | | | **506** | **125** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **658** | **578** | |
| | | | | v | ^ | |
| | **2116** | < | IN = | 5306 | < | **2496** |
| | **1806** | > | OUT = | 5304 | > | **2009** |
| | | | | v | ^ | |
| | | | | **601** | **346** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 2,400 | | |
| | | | N | | |
| | 8,700 | W | + | E | 10,700 |
| | | | S | | |
| | | | 7,300 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 7,400 | | |
| | | | N | | |
| | 50,700 | W | + | E | 57,700 |
| | | | S | | |
| | | | 9,300 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[03 Murrieta_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 45 | 149 | |
| | | v | ^ | |
| 296 < | IN = | 953 | < | 314 |
| 258 > | OUT = | 953 | > | 350 |
| | | v | ^ | |
| | | 158 | 336 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 315 | 21 | |
| | | v | ^ | |
| 1470 < | | | < | 1550 |
| 1650 > | | | > | 1950 |
| | | v | ^ | |
| | | 80 | 14 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 320 | 20 | |
| | | v | ^ | |
| 1470 < | | | < | 1550 |
| 1650 > | | | > | 1950 |
| | | v | ^ | |
| | | 80 | 10 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 370 | 170 | |
| | | v | ^ | |
| 1774 < | IN = | 4490 | < | 1860 |
| 1910 > | OUT = | 4490 | > | 2305 |
| | | v | ^ | * |
| | | 241 | 350 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 93 | 82 | |
| | | v | ^ | |
| 311 < | IN = | 1079 | < | 413 |
| 335 > | OUT = | 1079 | > | 381 |
| | | v | ^ | |
| | | 305 | 238 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 47 | 338 | |
| | | v | ^ | |
| 1970 < | | | < | 2330 |
| 1480 > | | | > | 1710 |
| | | v | ^ | |
| | | 55 | 220 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 50 | 340 | |
| | | v | ^ | |
| 1970 < | | | < | 2330 |
| 1480 > | | | > | 1710 |
| | | v | ^ | |
| | | 60 | 220 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 140 | 420 | |
| | | v | ^ | |
| 2280 < | IN = | 5160 | < | 2740 |
| 1820 > | OUT = | 5160 | > | 2090 |
| | | v | ^ | * |
| | | 370 | 460 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[03 Murrieta_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 91 | 88 | -3 | -3% | 56 | 54 | -2 | -4% |
| | Through | 126 | 68 | -58 | -46% | 73 | 213 | 140 | 192% |
| | Right | 119 | 195 | 76 | 64% | 109 | 197 | 88 | 81% |
| | NB Total | 336 | 351 | 15 | 4% | 238 | 464 | 226 | 95% |
| SOUTH BOUND | Left | 9 | 187 | 178 | 1978% | 14 | 87 | 73 | 521% |
| | Through | 26 | 60 | 34 | 131% | 78 | 52 | -26 | -33% |
| | Right | 10 | 123 | 113 | 1130% | 1 | 3 | 2 | 200% |
| | SB Total | 45 | 370 | 325 | 722% | 93 | 142 | 49 | 53% |
| EAST BOUND | Left | 1 | 3 | 2 | 200% | 2 | 23 | 21 | 1050% |
| | Through | 222 | 1,923 | 1,701 | 766% | 258 | 1,806 | 1,548 | 600% |
| | Right | 35 | 34 | -1 | -3% | 75 | 56 | -19 | -25% |
| | EB Total | 258 | 1,960 | 1,702 | 660% | 335 | 1,885 | 1,550 | 463% |
| WEST BOUND | Left | 97 | 147 | 50 | 52% | 152 | 263 | 111 | 73% |
| | Through | 195 | 1,563 | 1,368 | 702% | 254 | 2,222 | 1,968 | 775% |
| | Right | 22 | 99 | 77 | 350% | 7 | 184 | 177 | 2529% |
| | WB Total | 314 | 1,809 | 1,495 | 476% | 413 | 2,669 | 2,256 | 546% |
| TOTAL ENTERING VOLUME | | 953 | 4,490 | 3537 | 371% | 1,079 | 5,160 | 4081 | 378% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 370 | 142 | | | |
| North Leg | Outbound | 170 | 420 | | | |
| **North Leg** | **TOTAL** | **540** | **562** | **7%** | **8%** | **7,400** |
| South Leg | Inbound | 351 | 464 | | | |
| South Leg | Outbound | 241 | 371 | | | |
| **South Leg** | **TOTAL** | **592** | **835** | **6%** | **9%** | **9,300** |
| East Leg | Inbound | 1,809 | 2,669 | | | |
| East Leg | Outbound | 2,305 | 2,090 | | | |
| **East Leg** | **TOTAL** | **4,114** | **4,759** | **7%** | **8%** | **57,700** |
| West Leg | Inbound | 1,960 | 1,885 | | | |
| West Leg | Outbound | 1,774 | 2,279 | | | |
| **West Leg** | **TOTAL** | **3,734** | **4,164** | **7%** | **8%** | **50,700** |
| ***OVERALL TOTAL*** | | ***8,980*** | ***10,320*** | ***7%*** | ***8%*** | ***125,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[03 Murrieta_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Murrieta Rd (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **61** | **172** | **68** | | |
| | | < | v | > | | |
| **74** | ^ | | | | ^ | **68** |
| **106** | > | | | | < | **53** |
| **3** | v | | | | v | **90** |
| | | < | ^ | > | | |
| | | **2** | **150** | **96** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **80** | **375** | | |
| | | | v | ^ | | |
| **88** | < | IN = | 1056 | < | **229** | |
| **198** | > | OUT = | 1056 | > | **392** | |
| | | | v | ^ | | |
| | | | **201** | **549** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **92** | **277** | | |
| | | | v | ^ | | |
| **281** | < | IN = | 1758 | < | **524** | |
| **567** | > | OUT = | 1759 | > | **870** | |
| | | | v | ^ | | |
| | | | **331** | **575** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | **8,600** | | | |
| | | N | | | |
| **3,200** | W | **LEG** | E | **7,900** | |
| | | S | | | |
| | | **7,900** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | **8,600** | | | |
| | | N | | | |
| **11,200** | W | **LEG** | E | **18,900** | |
| | | S | | | |
| | | **11,900** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **44** | **182** | **103** | | |
| | | < | v | > | | |
| **23** | ^ | | | | ^ | **106** |
| **63** | > | | | | < | **97** |
| **5** | v | | | | v | **115** |
| | | < | ^ | > | | |
| | | **1** | **181** | **98** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **469** | **133** | | |
| | | | v | ^ | | |
| **291** | < | IN = | 1385 | < | **462** | |
| **130** | > | OUT = | 1385 | > | **340** | |
| | | | v | ^ | | |
| | | | **621** | **324** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **404** | **203** | | |
| | | | v | ^ | | |
| **681** | < | IN = | 2394 | < | **1021** | |
| **444** | > | OUT = | 2393 | > | **750** | |
| | | | v | ^ | | |
| | | | **759** | **525** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | 8,600 | | | |
| | | N | | | |
| 3,200 | W | + | E | 7,900 | |
| | | S | | | |
| | | 7,900 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | 8,600 | | | |
| | | N | | | |
| 11,200 | W | + | E | 18,900 | |
| | | S | | | |
| | | 11,900 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[04 Murrieta_ McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 301 | 292 | |
| | | v | ^ | |
| 116 < | IN = | 943 | < | 211 |
| 183 > | OUT = | 943 | > | 270 |
| | | v | ^ | |
| | | 265 | 248 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MIN | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 190 < | | | < | 269 |
| 337 > | | | > | 330 |
| | | v | ^ | |
| | | 130 | 12 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 190 < | | | < | 270 |
| 340 > | | | > | 330 |
| | | v | ^ | |
| | | 130 | 10 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 310 | 290 | |
| | | v | ^ | |
| 310 < | IN = | 1570 | < | 480 |
| 520 > | OUT = | 1600 | > | 600 |
| | | v | ^ | * |
| | | 400 | 260 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 329 | 310 | |
| | | v | ^ | |
| 142 < | IN = | 1018 | < | 318 |
| 91 > | OUT = | 1018 | > | 264 |
| | | v | ^ | |
| | | 302 | 280 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| MUL < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 70 | |
| | | v | ^ | |
| 188 < | | | < | 382 |
| 219 > | | | > | 316 |
| | | v | ^ | |
| | | 68 | 170 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 70 | |
| | | v | ^ | |
| 190 < | | | < | 380 |
| 220 > | | | > | 320 |
| | | v | ^ | |
| | | 70 | 170 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 330 | 410 | |
| | | v | ^ | |
| 356 < | IN = | 1790 | < | 700 |
| 310 > | OUT = | 1790 | > | 625 |
| | | v | ^ | * |
| | | 399 | 450 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[04 Murrieta_ McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 2 | 6 | 4 | 200% | 1 | 2 | 1 | 100% |
| | Through | 150 | 105 | -45 | -30% | 181 | 207 | 26 | 14% |
| | Right | 96 | 152 | 56 | 58% | 98 | 241 | 143 | 146% |
| | NB Total | 248 | 263 | 15 | 6% | 280 | 450 | 170 | 61% |
| SOUTH BOUND | Left | 68 | 57 | -11 | -16% | 103 | 130 | 27 | 26% |
| | Through | 172 | 166 | -6 | -3% | 182 | 147 | -35 | -19% |
| | Right | 61 | 95 | 34 | 56% | 44 | 53 | 9 | 20% |
| | SB Total | 301 | 318 | 17 | 6% | 329 | 330 | 1 | 0% |
| EAST BOUND | Left | 74 | 121 | 47 | 64% | 23 | 43 | 20 | 87% |
| | Through | 106 | 392 | 286 | 270% | 63 | 254 | 191 | 303% |
| | Right | 3 | 13 | 10 | 333% | 5 | 13 | 8 | 160% |
| | EB Total | 183 | 526 | 343 | 187% | 91 | 310 | 219 | 241% |
| WEST BOUND | Left | 90 | 221 | 131 | 146% | 115 | 239 | 124 | 108% |
| | Through | 53 | 209 | 156 | 294% | 97 | 301 | 204 | 210% |
| | Right | 68 | 64 | -4 | -6% | 106 | 160 | 54 | 51% |
| | WB Total | 211 | 494 | 283 | 134% | 318 | 700 | 382 | 120% |
| TOTAL ENTERING VOLUME | | 943 | 1,601 | 658 | 70% | 1,018 | 1,790 | 772 | 76% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 318 | 330 | | | |
| North Leg | Outbound | 290 | 410 | | | |
| **North Leg** | **TOTAL** | **608** | **740** | **7%** | **9%** | **8,600** |
| | | | | | | |
| South Leg | Inbound | 263 | 450 | | | |
| South Leg | Outbound | 400 | 399 | | | |
| **South Leg** | **TOTAL** | **663** | **849** | **6%** | **7%** | **11,900** |
| | | | | | | |
| East Leg | Inbound | 494 | 700 | | | |
| East Leg | Outbound | 601 | 625 | | | |
| **East Leg** | **TOTAL** | **1,095** | **1,325** | **6%** | **7%** | **18,900** |
| | | | | | | |
| West Leg | Inbound | 526 | 310 | | | |
| West Leg | Outbound | 310 | 356 | | | |
| **West Leg** | **TOTAL** | **836** | **666** | **7%** | **6%** | **11,200** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***3,202*** | ***3,580*** | **6%** | ***7%*** | ***50,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[04 Murrieta_ McCall.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Murrieta Rd (NS) / Cherry Hills Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **46** | **213** | **22** | |
| | | < | v | > | | |
| | **10** ^ | | | | ^ | **18** |
| | **46** > | | | | < | **18** |
| | **38** v | | | | v | **33** |
| | | < | ^ | > | | |
| | | | **7** | **195** | **34** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **201** | **549** | |
| | | | | v | ^ | |
| | **4** | < | IN = | | 787 < | **29** |
| | **6** | > | OUT = | | 788 > | **23** |
| | | | | v | ^ | |
| | | | | **212** | **551** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **331** | **575** | |
| | | | | v | ^ | |
| | **27** | < | IN = | | 936 < | **25** |
| | **53** | > | OUT = | | 936 > | **28** |
| | | | | v | ^ | |
| | | | | **306** | **527** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **7,800** | | |
| | | | N | | |
| | **1,400** | W | **LEG** | E | **2,800** |
| | | | S | | |
| | | | **8,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **11,900** | | |
| | | | N | | |
| | **2,400** | W | **LEG** | E | **2,800** |
| | | | S | | |
| | | | **10,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **7** | **268** | **19** | |
| | | < | v | > | | |
| | **9** ^ | | | | ^ | **13** |
| | **33** > | | | | < | **40** |
| | **4** v | | | | v | **56** |
| | | < | ^ | > | | |
| | | | **8** | **258** | **49** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **621** | **324** | |
| | | | | v | ^ | |
| | **10** | < | IN = | | 1004 < | **36** |
| | **9** | > | OUT = | | 1003 > | **39** |
| | | | | v | ^ | |
| | | | | **630** | **338** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **759** | **525** | |
| | | | | v | ^ | |
| | **60** | < | IN = | | 1335 < | **73** |
| | **42** | > | OUT = | | 1335 > | **38** |
| | | | | v | ^ | |
| | | | | **712** | **461** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 7,800 | | |
| | | | N | | |
| | 1,400 | W | + | E | 2,800 |
| | | | S | | |
| | | | 8,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 11,900 | | |
| | | | N | | |
| | 2,400 | W | + | E | 2,800 |
| | | | S | | |
| | | | 10,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[05 Murrieta_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 281 | 223 | |
| | | v | ^ | |
| 71 < | IN = | 680 | < | 69 |
| 94 > | OUT = | 680 | > | 102 |
| | | v | ^ | |
| | | 284 | 236 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 130 | 7 | |
| | | v | ^ | |
| 20 < | | | < | 0 |
| 50 > | | | > | 10 |
| | | v | ^ | |
| | | 90 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 130 | 10 | |
| | | v | ^ | |
| 20 < | | | < | 0 |
| 50 > | | | > | 10 |
| | | v | ^ | |
| | | 90 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 410 | 247 | |
| | | v | ^ | |
| 97 < | IN = | 860 | < | 70 |
| 140 > | OUT = | 860 | > | 118 |
| | | v | ^ | * |
| | | 398 | 240 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 294 | 280 | |
| | | v | ^ | |
| 55 < | IN = | 764 | < | 109 |
| 46 > | OUT = | 764 | > | 101 |
| | | v | ^ | |
| | | 328 | 315 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 66 | 170 | |
| | | v | ^ | |
| 50 < | | | < | 40 |
| 30 > | | | > | 0 |
| | | v | ^ | |
| | | 42 | 115 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 70 | 170 | |
| | | v | ^ | |
| 50 < | | | < | 40 |
| 30 > | | | > | 0 |
| | | v | ^ | |
| | | 40 | 120 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 360 | 450 | |
| | | v | ^ | |
| 110 < | IN = | 1030 | < | 150 |
| 80 > | OUT = | 1030 | > | 100 |
| | | v | ^ | * |
| | | 370 | 440 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[05 Murrieta_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 7 | 7 | 0 | 0% | 8 | 14 | 6 | 75% |
| | Through | 195 | 208 | 13 | 7% | 258 | 399 | 141 | 55% |
| | Right | 34 | 27 | -7 | -21% | 49 | 34 | -15 | -31% |
| | NB Total | 236 | 242 | 6 | 3% | 315 | 447 | 132 | 42% |
| SOUTH BOUND | Left | 22 | 29 | 7 | 32% | 19 | 20 | 1 | 5% |
| | Through | 213 | 309 | 96 | 45% | 268 | 315 | 47 | 18% |
| | Right | 46 | 72 | 26 | 57% | 7 | 18 | 11 | 157% |
| | SB Total | 281 | 410 | 129 | 46% | 294 | 353 | 59 | 20% |
| EAST BOUND | Left | 10 | 19 | 9 | 90% | 9 | 28 | 19 | 211% |
| | Through | 46 | 63 | 17 | 37% | 33 | 46 | 13 | 39% |
| | Right | 38 | 58 | 20 | 53% | 4 | 6 | 2 | 50% |
| | EB Total | 94 | 140 | 46 | 49% | 46 | 80 | 34 | 74% |
| WEST BOUND | Left | 33 | 31 | -2 | -6% | 56 | 49 | -7 | -13% |
| | Through | 18 | 18 | 0 | 0% | 40 | 78 | 38 | 95% |
| | Right | 18 | 21 | 3 | 17% | 13 | 22 | 9 | 69% |
| | WB Total | 69 | 70 | 1 | 1% | 109 | 149 | 40 | 37% |
| TOTAL ENTERING VOLUME | | 680 | 862 | 182 | 27% | 764 | 1,029 | 265 | 35% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 410 | 353 | | | |
| North Leg | Outbound | 248 | 449 | | | |
| **North Leg** | **TOTAL** | **658** | **802** | **6%** | **7%** | **11,900** |
| South Leg | Inbound | 242 | 447 | | | |
| South Leg | Outbound | 398 | 370 | | | |
| **South Leg** | **TOTAL** | **640** | **817** | **6%** | **8%** | **10,700** |
| East Leg | Inbound | 70 | 149 | | | |
| East Leg | Outbound | 119 | 100 | | | |
| **East Leg** | **TOTAL** | **189** | **249** | **7%** | **9%** | **2,800** |
| West Leg | Inbound | 140 | 80 | | | |
| West Leg | Outbound | 97 | 110 | | | |
| **West Leg** | **TOTAL** | **237** | **190** | **10%** | **8%** | **2,400** |
| ***OVERALL TOTAL*** | | ***1,724*** | ***2,058*** | **6%** | ***7%*** | ***27,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[05 Murrieta_Cherry Hills.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Murrieta Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **114 41 445** | 2012 **134 58 330** |
| < v > | < v > |
| **103** ^ ^ **195** | **162** ^ ^ **318** |
| **674** > < **545** | **643** > < **759** |
| **15** v v **46** | **20** v v **49** |
| < ^ > | < ^ > |
| **19 38 26** | **54 56 52** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **407 578** | 2012 **746 530** |
| v ^ | v ^ |
| **676** < IN = 2183 < **722** | **911** < IN = 2720 < **799** |
| **724** > OUT = 2183 > **643** | **822** > OUT = 2721 > **875** |
| v ^ | v ^ |
| **286 330** | **405 353** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1364 1566** | 2035 **1952 1809** |
| v ^ | v ^ |
| **1237** < IN = 5053 < **1239** | **2031** < IN = 6528 < **2011** |
| **1706** > OUT = 5053 > **1538** | **1639** > OUT = 6528 > **1709** |
| v ^ | v ^ |
| **712 744** | **979 926** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **14,300** | 2012 14,300 |
| N | N |
| **23,900** W **LEG** E **29,000** | 23,900 W + E 29,000 |
| S | S |
| **3,900** | 3,900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **42,300** | 2035 42,300 |
| N | N |
| **44,900** W **LEG** E **50,000** | 44,900 W + E 50,000 |
| S | S |
| **15,900** | 15,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[06 Murrieta_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 600 | 336 | | |
| | | v | ^ | | |
| 678 | < IN | = | 2261 | < | 786 |
| 792 | > OUT | = | 2261 | > | 1145 |
| | | v | ^ | | |
| | | 102 | 83 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 960 | 574 | | |
| | | v | ^ | | |
| 560 | < | | | < | 520 |
| 980 | > | | | > | 900 |
| | | v | ^ | | |
| | | 148 | 107 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 960 | 570 | | |
| | | v | ^ | | |
| 560 | < | | | < | 520 |
| 980 | > | | | > | 900 |
| | | v | ^ | | |
| | | 150 | 110 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1560 | 988 | | |
| | | v | ^ | | |
| 1346 | < IN | = | 4830 | < | 1310 |
| 1770 | > OUT | = | 4830 | > | 2225 |
| | | v | ^ | * | |
| | | 271 | 190 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 522 | 536 | | |
| | | v | ^ | | |
| 947 | < IN | = | 2635 | < | 1126 |
| 825 | > OUT | = | 2635 | > | 1025 |
| | | v | ^ | | |
| | | 127 | 162 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 848 | 1280 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 1210 |
| 820 | > | | | > | 830 |
| | | v | ^ | | |
| | | 183 | 268 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 850 | 1280 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 1210 |
| 820 | > | | | > | 830 |
| | | v | ^ | | |
| | | 180 | 270 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1370 | 1820 | | |
| | | v | ^ | | |
| 2070 | < IN | = | 5790 | < | 2340 |
| 1650 | > OUT | = | 6060 | > | 1860 |
| | | v | ^ | * | |
| | | 310 | 430 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[06 Murrieta_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 19 | 44 | 25 | 132% | 54 | 140 | 86 | 159% |
| | Through | 38 | 115 | 77 | 203% | 56 | 227 | 171 | 305% |
| | Right | 26 | 32 | 6 | 23% | 52 | 83 | 31 | 60% |
| | NB Total | 83 | 191 | 108 | 130% | 162 | 450 | 288 | 178% |
| SOUTH BOUND | Left | 445 | 947 | 502 | 113% | 330 | 752 | 422 | 128% |
| | Through | 41 | 155 | 114 | 278% | 58 | 185 | 127 | 219% |
| | Right | 114 | 457 | 343 | 301% | 134 | 496 | 362 | 270% |
| | SB Total | 600 | 1,559 | 959 | 160% | 522 | 1,433 | 911 | 175% |
| EAST BOUND | Left | 103 | 473 | 370 | 359% | 162 | 656 | 494 | 305% |
| | Through | 674 | 1,246 | 572 | 85% | 643 | 1,025 | 382 | 59% |
| | Right | 15 | 49 | 34 | 227% | 20 | 45 | 25 | 125% |
| | EB Total | 792 | 1,768 | 976 | 123% | 825 | 1,726 | 901 | 109% |
| WEST BOUND | Left | 46 | 67 | 21 | 46% | 49 | 80 | 31 | 63% |
| | Through | 545 | 845 | 300 | 55% | 759 | 1,433 | 674 | 89% |
| | Right | 195 | 399 | 204 | 105% | 318 | 937 | 619 | 195% |
| | WB Total | 786 | 1,311 | 525 | 67% | 1,126 | 2,450 | 1,324 | 118% |
| TOTAL ENTERING VOLUME | | 2,261 | 4,829 | 2568 | 114% | 2,635 | 6,059 | 3424 | 130% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,559 | 1,433 | | | |
| North Leg | Outbound | 987 | 1,820 | | | |
| **North Leg** | **TOTAL** | **2,546** | **3,253** | **6%** | **8%** | **42,300** |
| | | | | | | |
| South Leg | Inbound | 191 | 450 | | | |
| South Leg | Outbound | 271 | 310 | | | |
| **South Leg** | **TOTAL** | **462** | **760** | **3%** | **5%** | **15,900** |
| | | | | | | |
| East Leg | Inbound | 1,311 | 2,450 | | | |
| East Leg | Outbound | 2,225 | 1,860 | | | |
| **East Leg** | **TOTAL** | **3,536** | **4,310** | **7%** | **9%** | **50,000** |
| | | | | | | |
| West Leg | Inbound | 1,768 | 1,726 | | | |
| West Leg | Outbound | 1,346 | 2,069 | | | |
| **West Leg** | **TOTAL** | **3,114** | **3,795** | **7%** | **8%** | **44,900** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***9,658*** | ***12,118*** | **6%** | ***8%*** | ***153,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[06 Murrieta_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Murrieta Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **153** | **0** | **86** | | |
| | | < | v | > | | |
| **84** | ^ | | | | ^ | **70** |
| **254** | > | | | | < | **275** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **95** | **264** | | |
| | | | v | ^ | | |
| **316** | < | IN = | | 802 | < | **331** |
| **376** | > | OUT = | | 802 | > | **222** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **592** | **627** | | |
| | | | v | ^ | | |
| **1285** | < | IN = | | 3329 | < | **1065** |
| **1672** | > | OUT = | | 3328 | > | **1416** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | **6,100** | | |
| | | N | | |
| **14,000** | W | **LEG** | E | **11,600** |
| | | S | | |
| | | **0** | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | **18,100** | | |
| | | N | | |
| **43,000** | W | **LEG** | E | **36,600** |
| | | S | | |
| | | **0** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **94** | **0** | **75** | | |
| | | < | v | > | | |
| **218** | ^ | | | | ^ | **65** |
| **417** | > | | | | < | **304** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **257** | **196** | | |
| | | | v | ^ | | |
| **395** | < | IN = | | 965 | < | **249** |
| **459** | > | OUT = | | 964 | > | **373** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **838** | **792** | | |
| | | | v | ^ | | |
| **2174** | < | IN = | | 4322 | < | **1812** |
| **1672** | > | OUT = | | 4322 | > | **1356** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | 6,100 | | |
| | | N | | |
| 14,000 | W | + | E | 11,600 |
| | | S | | |
| | | 0 | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | 18,100 | | |
| | | N | | |
| 43,000 | W | + | E | 36,600 |
| | | S | | |
| | | 0 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[07 Murrieta_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 239 | 154 | |
| | | v | ^ | |
| 428 | < IN = | 922 | < | 345 |
| 338 | > OUT = | 922 | > | 340 |
| | | v | ^ | |
| | | 0 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 500 | 216 | |
| | | v | ^ | |
| 970 | < | | < | 730 |
| 1162 | > | | > | 1190 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 500 | 220 | |
| | | v | ^ | |
| 970 | < | | < | 730 |
| 1160 | > | | > | 1190 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 740 | 372 | |
| | | v | ^ | |
| 1408 | < IN = | 3320 | < | 1080 |
| 1500 | > OUT = | 3320 | > | 1539 |
| | | v | ^ | * |
| | | 0 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 169 | 283 | |
| | | v | ^ | |
| 398 | < IN = | 1173 | < | 369 |
| 635 | > OUT = | 1173 | > | 492 |
| | | v | ^ | |
| | | 0 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 381 | 600 | |
| | | v | ^ | |
| 1780 | < | | < | 1560 |
| 1210 | > | | > | 980 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 380 | 600 | |
| | | v | ^ | |
| 1780 | < | | < | 1560 |
| 1210 | > | | > | 980 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 550 | 880 | |
| | | v | ^ | |
| 2180 | < IN = | 4330 | < | 1930 |
| 1850 | > OUT = | 4530 | > | 1470 |
| | | v | ^ | * |
| | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[07 Murrieta_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 86 | 273 | 187 | 217% | 75 | 194 | 119 | 159% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 153 | 467 | 314 | 205% | 94 | 383 | 289 | 307% |
| | SB Total | 239 | 740 | 501 | 210% | 169 | 577 | 408 | 241% |
| EAST BOUND | Left | 84 | 233 | 149 | 177% | 218 | 644 | 426 | 195% |
| | Through | 254 | 1,266 | 1,012 | 398% | 417 | 1,276 | 859 | 206% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 338 | 1,499 | 1,161 | 343% | 635 | 1,920 | 1,285 | 202% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 275 | 941 | 666 | 242% | 304 | 1,797 | 1,493 | 491% |
| | Right | 70 | 139 | 69 | 99% | 65 | 236 | 171 | 263% |
| | WB Total | 345 | 1,080 | 735 | 213% | 369 | 2,033 | 1,664 | 451% |
| TOTAL ENTERING VOLUME | | 922 | 3,319 | 2397 | 260% | 1,173 | 4,530 | 3357 | 286% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 740 | 577 | | | |
| North Leg | Outbound | 372 | 880 | | | |
| **North Leg** | **TOTAL** | **1,112** | **1,457** | **6%** | **8%** | **18,100** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| East Leg | Inbound | 1,080 | 2,033 | | | |
| East Leg | Outbound | 1,539 | 1,470 | | | |
| **East Leg** | **TOTAL** | **2,619** | **3,503** | **7%** | **10%** | **36,600** |
| West Leg | Inbound | 1,499 | 1,920 | | | |
| West Leg | Outbound | 1,408 | 2,180 | | | |
| **West Leg** | **TOTAL** | **2,907** | **4,100** | **7%** | **10%** | **43,000** |
| ***OVERALL TOTAL*** | | ***6,638*** | ***9,060*** | ***7%*** | ***9%*** | ***97,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[07 Murrieta_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Bradley Rd (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **10 63 117** | 2012 **19 41 104** |
| < v > | < v > |
| **29** ^ ^ **52** | **43** ^ ^ **54** |
| **470** > < **411** | **622** > < **630** |
| **60** v v **451** | **58** v v **401** |
| < ^ > | < ^ > |
| **37 34 295** | **72 63 517** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **36 42** | 2012 **96 38** |
| v ^ | v ^ |
| **429** < IN = 1531 < **608** | **605** < IN = 2097 < **978** |
| **493** > OUT = 1531 > **795** | **641** > OUT = 2097 > **891** |
| v ^ | v ^ |
| **265 394** | **563 382** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **75 124** | 2035 **378 114** |
| v ^ | v ^ |
| **1068** < IN = 3333 < **1369** | **1537** < IN = 4984 < **2237** |
| **1158** > OUT = 3332 > **1669** | **1517** > OUT = 4984 > **2265** |
| v ^ | v ^ |
| **471 731** | **1068 852** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **4,400** | 2012 4,400 |
| N | N |
| **19,500** W **LEG** E **31,400** | 19,500 W + E 31,400 |
| S | S |
| **15,600** | 15,600 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **6,400** | 2035 6,400 |
| N | N |
| **38,500** W **LEG** E **57,400** | 38,500 W + E 57,400 |
| S | S |
| **24,600** | 24,600 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[08 Bradley_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Bradley Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | 115 | | |
| | | v | ^ | | |
| 458 | < IN | = | 2029 | < | 914 |
| 559 | > OUT | = | 2029 | > | 882 |
| | | v | ^ | | |
| | | 574 | 366 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | 80 | | |
| | | v | ^ | | |
| 640 | < | | | < | 760 |
| 670 | > | | | > | 870 |
| | | v | ^ | | |
| | | 210 | 314 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | 80 | | |
| | | v | ^ | | |
| 640 | < | | | < | 760 |
| 670 | > | | | > | 870 |
| | | v | ^ | | |
| | | 210 | 310 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 230 | 200 | | |
| | | v | ^ | | |
| 1100 | < IN | = | 3810 | < | 1670 |
| 1230 | > OUT | = | 3830 | > | 1750 |
| | | v | ^ | * | |
| | | 780 | 680 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 164 | 160 | | |
| | | v | ^ | | |
| 721 | < IN | = | 2624 | < | 1085 |
| 723 | > OUT | = | 2624 | > | 1243 |
| | | v | ^ | | |
| | | 500 | 652 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 280 | 80 | | |
| | | v | ^ | | |
| 930 | < | | | < | 1260 |
| 880 | > | | | > | 1370 |
| | | v | ^ | | |
| | | 450 | 470 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 280 | 80 | | |
| | | v | ^ | | |
| 930 | < | | | < | 1260 |
| 880 | > | | | > | 1370 |
| | | v | ^ | | |
| | | 450 | 470 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 440 | 243 | | |
| | | v | ^ | | |
| 1668 | < IN | = | 5510 | < | 2350 |
| 1600 | > OUT | = | 5510 | > | 2639 |
| | | v | ^ | * | |
| | | 960 | 1120 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[08 Bradley_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Bradley Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 37 | 93 | 56 | 151% | 72 | 125 | 53 | 74% |
| | Through | 34 | 57 | 23 | 68% | 63 | 80 | 17 | 27% |
| | Right | 295 | 533 | 238 | 81% | 517 | 916 | 399 | 77% |
| | NB Total | 366 | 683 | 317 | 87% | 652 | 1,121 | 469 | 72% |
| SOUTH BOUND | Left | 117 | 150 | 33 | 28% | 104 | 295 | 191 | 184% |
| | Through | 63 | 63 | 0 | 0% | 41 | 92 | 51 | 124% |
| | Right | 10 | 18 | 8 | 80% | 19 | 53 | 34 | 179% |
| | SB Total | 190 | 231 | 41 | 22% | 164 | 440 | 276 | 168% |
| EAST BOUND | Left | 29 | 61 | 32 | 110% | 43 | 70 | 27 | 63% |
| | Through | 470 | 1,067 | 597 | 127% | 622 | 1,427 | 805 | 129% |
| | Right | 60 | 107 | 47 | 78% | 58 | 105 | 47 | 81% |
| | EB Total | 559 | 1,235 | 676 | 121% | 723 | 1,602 | 879 | 122% |
| WEST BOUND | Left | 451 | 610 | 159 | 35% | 401 | 763 | 362 | 90% |
| | Through | 411 | 989 | 578 | 141% | 630 | 1,490 | 860 | 137% |
| | Right | 52 | 83 | 31 | 60% | 54 | 93 | 39 | 72% |
| | WB Total | 914 | 1,682 | 768 | 84% | 1,085 | 2,346 | 1,261 | 116% |
| TOTAL ENTERING VOLUME | | 2,029 | 3,831 | 1802 | 89% | 2,624 | 5,509 | 2885 | 110% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 231 | 440 | | | |
| North Leg | Outbound | 201 | 243 | | | |
| **North Leg** | **TOTAL** | **432** | **683** | **7%** | **11%** | **6,400** |
| South Leg | Inbound | 683 | 1,121 | | | |
| South Leg | Outbound | 780 | 960 | | | |
| **South Leg** | **TOTAL** | **1,463** | **2,081** | **6%** | **8%** | **24,600** |
| East Leg | Inbound | 1,682 | 2,346 | | | |
| East Leg | Outbound | 1,750 | 2,638 | | | |
| **East Leg** | **TOTAL** | **3,432** | **4,984** | **6%** | **9%** | **57,400** |
| West Leg | Inbound | 1,235 | 1,602 | | | |
| West Leg | Outbound | 1,100 | 1,668 | | | |
| **West Leg** | **TOTAL** | **2,335** | **3,270** | **6%** | **8%** | **38,500** |
| ***OVERALL TOTAL*** | | ***7,662*** | ***11,018*** | **6%** | ***9%*** | ***126,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[08 Bradley_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Bradley Rd (NS) / Cherry Hills Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **43 215 0** | 2012 **69 272 0** |
| < v > | < v > |
| **55** ^ ^ **0** | **77** ^ ^ **0** |
| **0** > < **0** | **0** > < **0** |
| **53** v v **0** | **72** v v **0** |
| < ^ > | < ^ > |
| **82 233 0** | **122 354 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **265 394** | 2012 **563 382** |
| v ^ | v ^ |
| **9** < IN = 670 < **0** | **10** < IN = 961 < |
| **8** > OUT = 669 > **0** | **13** > OUT = 962 > |
| v ^ | v ^ |
| **266 397** | **570 385** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **471 731** | 2035 **1068 852** |
| v ^ | v ^ |
| **11** < IN = 1208 < **0** | **47** < IN = 1974 < **0** |
| **13** > OUT = 1209 > **0** | **24** > OUT = 1974 > **0** |
| v ^ | v ^ |
| **467 724** | **1075 882** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **10,400** | 2012 10,400 |
| N | N |
| **4,600** W **LEG** E **0** | 4,600 W + E 0 |
| S | S |
| **11,100** | 11,100 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **24,600** | 2035 24,600 |
| N | N |
| **5,600** W **LEG** E **0** | 5,600 W + E 0 |
| S | S |
| **20,100** | 20,100 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[09 Bradley_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 258 | 288 | |
| | | v | ^ | |
| 125 < | IN = | 681 | < | 0 |
| 108 > | OUT = | 681 | > | 0 |
| | | v | ^ | |
| | | 268 | 315 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 202 | 242 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 200 | 255 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 200 | 240 | |
| | | v | ^ | |
| 0 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 200 | 260 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 460 | 544 | |
| | | v | ^ | |
| 133 < | IN = | 1160 | < | 0 |
| 120 > | OUT = | 1160 | > | 0 |
| | | v | ^ | * |
| | | 482 | 580 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 341 | 431 | |
| | | v | ^ | |
| 191 < | IN = | 966 | < | 0 |
| 149 > | OUT = | 966 | > | 0 |
| | | v | ^ | |
| | | 344 | 476 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 309 | 470 | |
| | | v | ^ | |
| 40 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 306 | 500 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 310 | 470 | |
| | | v | ^ | |
| 40 < | | | < | 0 |
| 10 > | | | > | 0 |
| | | v | ^ | |
| | | 310 | 500 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 650 | 905 | |
| | | v | ^ | |
| 231 < | IN = | 1790 | < | 0 |
| 160 > | OUT = | 1790 | > | 0 |
| | | v | ^ | * |
| | | 654 | 980 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[09 Bradley_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 82 | 92 | 10 | 12% | 122 | 155 | 33 | 27% |
| | Through | 233 | 486 | 253 | 109% | 354 | 824 | 470 | 133% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 315 | 578 | 263 | 83% | 476 | 979 | 503 | 106% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 215 | 421 | 206 | 96% | 272 | 575 | 303 | 111% |
| | Right | 43 | 41 | -2 | -5% | 69 | 77 | 8 | 12% |
| | SB Total | 258 | 462 | 204 | 79% | 341 | 652 | 311 | 91% |
| EAST BOUND | Left | 55 | 58 | 3 | 5% | 77 | 81 | 4 | 5% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 62 | 9 | 17% | 72 | 79 | 7 | 10% |
| | EB Total | 108 | 120 | 12 | 11% | 149 | 160 | 11 | 7% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| TOTAL ENTERING VOLUME | | 681 | 1,160 | 479 | 70% | 966 | 1,791 | 825 | 85% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 462 | 652 | | | |
| North Leg | Outbound | 544 | 905 | | | |
| **North Leg** | **TOTAL** | **1,006** | **1,557** | **4%** | **6%** | **24,600** |
| South Leg | Inbound | 578 | 979 | | | |
| South Leg | Outbound | 483 | 654 | | | |
| **South Leg** | **TOTAL** | **1,061** | **1,633** | **5%** | **8%** | **20,100** |
| East Leg | Inbound | 0 | 0 | | | |
| East Leg | Outbound | 0 | 0 | | | |
| **East Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| West Leg | Inbound | 120 | 160 | | | |
| West Leg | Outbound | 133 | 232 | | | |
| **West Leg** | **TOTAL** | **253** | **392** | **5%** | **7%** | **5,600** |
| ***OVERALL TOTAL*** | | ***2,320*** | ***3,582*** | **5%** | ***7%*** | ***50,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[09 Bradley_Cherry Hills.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Bradley Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **93** | **205** | **201** | |
| | | | < | v | > | |
| | **119** | ^ | | | ^ | **128** |
| | **792** | > | | | < | **555** |
| | **119** | v | | | v | **225** |
| | | | < | ^ | > | |
| | | | **174** | **246** | **325** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **175** | **260** | |
| | | | | v | ^ | |
| | **701** | < | IN = | 1869 | < | **762** |
| | **777** | > | OUT = | 1869 | > | **765** |
| | | | | v | ^ | |
| | | | | **143** | **155** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **266** | **507** | |
| | | | | v | ^ | |
| | **1101** | < | IN = | 3398 | < | **1173** |
| | **1589** | > | OUT = | 3398 | > | **1531** |
| | | | | v | ^ | |
| | | | | **259** | **370** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **13,200** | | |
| | | | N | | |
| | **25,800** | W | **LEG** | E | **31,600** |
| | | | S | | |
| | | | **10,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **15,200** | | |
| | | | N | | |
| | **43,800** | W | **LEG** | E | **49,600** |
| | | | S | | |
| | | | **15,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **74** | **152** | **219** | |
| | | | < | v | > | |
| | **108** | ^ | | | ^ | **276** |
| | **671** | > | | | < | **872** |
| | **78** | v | | | v | **172** |
| | | | < | ^ | > | |
| | | | **110** | **151** | **129** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **357** | **233** | |
| | | | | v | ^ | |
| | **906** | < | IN = | 2351 | < | **943** |
| | **905** | > | OUT = | 2352 | > | **985** |
| | | | | v | ^ | |
| | | | | **228** | **146** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **778** | **544** | |
| | | | | v | ^ | |
| | **2020** | < | IN = | 4835 | < | **1844** |
| | **1608** | > | OUT = | 4835 | > | **1754** |
| | | | | v | ^ | |
| | | | | **517** | **605** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 13,200 | | |
| | | | N | | |
| | 25,800 | W | + | E | 31,600 |
| | | | S | | |
| | | | 10,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 15,200 | | |
| | | | N | | |
| | 43,800 | W | + | E | 49,600 |
| | | | S | | |
| | | | 15,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[10 Bradley_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Bradley Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 499 | 493 | | |
| | | v | ^ | | |
| 822 | < IN | = | 3182 | < | 908 |
| 1030 | > OUT | = | 3182 | > | 1318 |
| | | v | ^ | | |
| | | 549 | 745 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 90 | 250 | | |
| | | v | ^ | | |
| 400 | < | | | < | 410 |
| 810 | > | | | > | 770 |
| | | v | ^ | | |
| | | 120 | 220 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 90 | 250 | | |
| | | v | ^ | | |
| 400 | < | | | < | 410 |
| 810 | > | | | > | 770 |
| | | v | ^ | | |
| | | 120 | 220 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 590 | 740 | | |
| | | v | ^ | | |
| 1220 | < IN | = | 4720 | < | 1320 |
| 1840 | > OUT | = | 4720 | > | 2090 |
| | | v | ^ | * | |
| | | 670 | 970 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 445 | 535 | | |
| | | v | ^ | | |
| 1056 | < IN | = | 3012 | < | 1320 |
| 857 | > OUT | = | 3012 | > | 1019 |
| | | v | ^ | | |
| | | 402 | 390 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 420 | 310 | | |
| | | v | ^ | | |
| 1110 | < | | | < | 900 |
| 663 | > | | | > | 770 |
| | | v | ^ | | |
| | | 290 | 460 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 420 | 310 | | |
| | | v | ^ | | |
| 1110 | < | | | < | 900 |
| 660 | > | | | > | 770 |
| | | v | ^ | | |
| | | 290 | 460 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 870 | 850 | | |
| | | v | ^ | | |
| 2170 | < IN | = | 5460 | < | 2220 |
| 1520 | > OUT | = | 5500 | > | 1790 |
| | | v | ^ | * | |
| | | 690 | 850 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[10 Bradley_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Bradley Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 174 | 237 | 63 | 36% | 110 | 320 | 210 | 191% |
| | Through | 246 | 324 | 78 | 32% | 151 | 297 | 146 | 97% |
| | Right | 325 | 409 | 84 | 26% | 129 | 240 | 111 | 86% |
| | NB Total | 745 | 970 | 225 | 30% | 390 | 857 | 467 | 120% |
| SOUTH BOUND | Left | 201 | 249 | 48 | 24% | 219 | 378 | 159 | 73% |
| | Through | 205 | 216 | 11 | 5% | 152 | 298 | 146 | 96% |
| | Right | 93 | 125 | 32 | 34% | 74 | 200 | 126 | 170% |
| | SB Total | 499 | 590 | 91 | 18% | 445 | 876 | 431 | 97% |
| EAST BOUND | Left | 119 | 225 | 106 | 89% | 108 | 200 | 92 | 85% |
| | Through | 792 | 1,432 | 640 | 81% | 671 | 1,173 | 502 | 75% |
| | Right | 119 | 183 | 64 | 54% | 78 | 155 | 77 | 99% |
| | EB Total | 1,030 | 1,840 | 810 | 79% | 857 | 1,528 | 671 | 78% |
| WEST BOUND | Left | 225 | 272 | 47 | 21% | 172 | 237 | 65 | 38% |
| | Through | 555 | 858 | 303 | 55% | 872 | 1,650 | 778 | 89% |
| | Right | 128 | 191 | 63 | 49% | 276 | 353 | 77 | 28% |
| | WB Total | 908 | 1,321 | 413 | 45% | 1,320 | 2,240 | 920 | 70% |
| TOTAL ENTERING VOLUME | | 3,182 | 4,721 | 1539 | 48% | 3,012 | 5,501 | 2489 | 83% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 590 | 876 | | | |
| North Leg | Outbound | 740 | 850 | | | |
| **North Leg** | **TOTAL** | **1,330** | **1,726** | **9%** | **11%** | **15,200** |
| South Leg | Inbound | 970 | 857 | | | |
| South Leg | Outbound | 671 | 690 | | | |
| **South Leg** | **TOTAL** | **1,641** | **1,547** | **10%** | **10%** | **15,700** |
| East Leg | Inbound | 1,321 | 2,240 | | | |
| East Leg | Outbound | 2,090 | 1,791 | | | |
| **East Leg** | **TOTAL** | **3,411** | **4,031** | **7%** | **8%** | **49,600** |
| West Leg | Inbound | 1,840 | 1,528 | | | |
| West Leg | Outbound | 1,220 | 2,170 | | | |
| **West Leg** | **TOTAL** | **3,060** | **3,698** | **7%** | **8%** | **43,800** |
| ***OVERALL TOTAL*** | | ***9,442*** | ***11,002*** | **8%** | ***9%*** | ***124,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[10 Bradley_Newport.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **I-215 SB Ramps (NS) / Ethanac Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **141** **1** **43** | 2012 **265** **3** **86** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **441** > < **440** | **395** > < **411** |
| **318** v v **113** | **330** v v **82** |
| < ^ > | < ^ > |
| **0** **0** **0** | **0** **0** **0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **144** **0** | 2012 **394** **0** |
| v ^ | v ^ |
| **251** < IN = 694 < **324** | **326** < IN = 1043 < **242** |
| **226** > OUT = 693 > **264** | **407** > OUT = 1042 > **501** |
| v ^ | v ^ |
| **178** **0** | **215** **0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **482** **0** | 2035 **352** **0** |
| v ^ | v ^ |
| **2052** < IN = 4574 < **2160** | **2331** < IN = 5041 < **2448** |
| **1932** > OUT = 4574 > **2134** | **2241** > OUT = 5041 > **2245** |
| v ^ | v ^ |
| **388** **0** | **465** **0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **4,800** | 2012 4,800 |
| N | N |
| **18,900** W **LEG** E **13,200** | 18,900 W + E 13,200 |
| S | S |
| **5,600** | 5,600 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **8,800** | 2035 8,800 |
| N | N |
| **65,900** W **LEG** E **64,200** | 65,900 W + E 64,200 |
| S | S |
| **9,600** | 9,600 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[11 I-215 SB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 185 | 0 | | |
| | | v | ^ | | |
| 581 | < IN | = | 1497 | < | 553 |
| 759 | > OUT | = | 1497 | > | 484 |
| | | v | ^ | | |
| | | 432 | 0 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 340 | 0 | | |
| | | v | ^ | | |
| 1800 | < | | | < | 1840 |
| 1710 | > | | | > | 1870 |
| | | v | ^ | | |
| | | 210 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 340 | 0 | | |
| | | v | ^ | | |
| 1800 | < | | | < | 1840 |
| 1710 | > | | | > | 1870 |
| | | v | ^ | | |
| | | 210 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 530 | 0 | | |
| | | v | ^ | | |
| 2389 | < IN | = | 5390 | < | 2390 |
| 2470 | > OUT | = | 5390 | > | 2359 |
| | | v | ^ | * | |
| | | 642 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 354 | 0 | | |
| | | v | ^ | | |
| 676 | < IN | = | 1572 | < | 493 |
| 725 | > OUT | = | 1572 | > | 481 |
| | | v | ^ | | |
| | | 415 | 0 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | MUL |
| | | v | ^ | | |
| | | ADD | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 2010 | < | | | < | 2210 |
| 1830 | > | | | > | 1679 |
| | | v | ^ | | |
| | | 250 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 2010 | < | | | < | 2210 |
| 1830 | > | | | > | 1680 |
| | | v | ^ | | |
| | | 250 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 350 | 0 | | |
| | | v | ^ | | |
| 2734 | < IN | = | 5610 | < | 2700 |
| 2560 | > OUT | = | 5610 | > | 2195 |
| | | v | ^ | * | |
| | | 681 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[11 I-215 SB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 43 | 213 | 170 | 395% | 86 | 111 | 25 | 29% |
| | Through | 1 | 1 | 0 | 0% | 3 | 1 | -2 | -67% |
| | Right | 141 | 314 | 173 | 123% | 265 | 238 | -27 | -10% |
| | SB Total | 185 | 528 | 343 | 185% | 354 | 350 | -4 | -1% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 441 | 2,146 | 1,705 | 387% | 395 | 2,084 | 1,689 | 428% |
| | Right | 318 | 363 | 45 | 14% | 330 | 482 | 152 | 46% |
| | EB Total | 759 | 2,509 | 1,750 | 231% | 725 | 2,566 | 1,841 | 254% |
| WEST BOUND | Left | 113 | 278 | 165 | 146% | 82 | 198 | 116 | 141% |
| | Through | 440 | 2,075 | 1,635 | 372% | 411 | 2,496 | 2,085 | 507% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 553 | 2,353 | 1,800 | 325% | 493 | 2,694 | 2,201 | 446% |
| TOTAL ENTERING VOLUME | | 1,497 | 5,390 | 3893 | 260% | 1,572 | 5,610 | 4038 | 257% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 528 | 350 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **528** | **350** | **6%** | **4%** | **8,800** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 642 | 681 | | | |
| **South Leg** | **TOTAL** | **642** | **681** | **7%** | **7%** | **9,600** |
| East Leg | Inbound | 2,353 | 2,694 | | | |
| East Leg | Outbound | 2,359 | 2,195 | | | |
| **East Leg** | **TOTAL** | **4,712** | **4,889** | **7%** | **8%** | **64,200** |
| West Leg | Inbound | 2,509 | 2,566 | | | |
| West Leg | Outbound | 2,389 | 2,734 | | | |
| **West Leg** | **TOTAL** | **4,898** | **5,300** | **7%** | **8%** | **65,900** |
| ***OVERALL TOTAL*** | | ***10,780*** | ***11,220*** | ***7%*** | ***8%*** | ***148,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[11 I-215 SB Ramps_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **184** | **0** | **120** | | |
| | | < | v | > | | |
| **0** | ^ | | | | ^ | **0** |
| **648** | > | | | | < | **730** |
| **234** | v | | | | v | **389** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **295** | **0** | | |
| | | | v | ^ | | |
| **608** | < | IN = | 1540 | < | | **450** |
| **795** | > | OUT = | 1541 | > | | **692** |
| | | | v | ^ | | |
| | | | **241** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **486** | **0** | | |
| | | | v | ^ | | |
| **1369** | < | IN = | 3588 | < | | **1433** |
| **1669** | > | OUT = | 3587 | > | | **1677** |
| | | | v | ^ | | |
| | | | **541** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **9,100** | | | |
| | | | N | | | |
| **31,400** | W | | **LEG** | E | | **29,700** |
| | | | S | | | |
| | | | **8,400** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **9,100** | | | |
| | | | N | | | |
| **57,400** | W | | **LEG** | E | | **57,700** |
| | | | S | | | |
| | | | **8,400** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **373** | **2** | **295** | | |
| | | < | v | > | | |
| **0** | ^ | | | | ^ | **0** |
| **909** | > | | | | < | **712** |
| **334** | v | | | | v | **285** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **358** | **0** | | |
| | | | v | ^ | | |
| **978** | < | IN = | 1955 | < | | **706** |
| **891** | > | OUT = | 1955 | > | | **721** |
| | | | v | ^ | | |
| | | | **256** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **343** | **0** | | |
| | | | v | ^ | | |
| **2237** | < | IN = | 4889 | < | | **2281** |
| **2265** | > | OUT = | 4888 | > | | **1757** |
| | | | v | ^ | | |
| | | | **894** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 9,100 | | | |
| | | | N | | | |
| 31,400 | W | | + | E | | 29,700 |
| | | | S | | | |
| | | | 8,400 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 9,100 | | | |
| | | | N | | | |
| 57,400 | W | | + | E | | 57,700 |
| | | | S | | | |
| | | | 8,400 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[12 I-215 SB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 304 | | 0 | |
| | | v | | ^ | |
| 914 | < | IN = | | 2305 | < 1119 |
| 882 | > | OUT = | | 2305 | > 768 |
| | | v | | ^ | |
| | | 623 | | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | | 0 | |
| | | v | | ^ | |
| 760 | < | | | | < 980 |
| 870 | > | | | | > 990 |
| | | v | | ^ | |
| | | 300 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | | 0 | |
| | | v | | ^ | |
| 760 | < | | | | < 980 |
| 870 | > | | | | > 990 |
| | | v | | ^ | |
| | | 300 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 490 | | 0 | |
| | | v | | ^ | |
| 1670 | < | IN = | | 4340 | < 2100 |
| 1750 | > | OUT = | | 4350 | > 1760 |
| | | v | | ^ | * |
| | | 920 | | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 670 | | 0 | |
| | | v | | ^ | |
| 1085 | < | IN = | | 2910 | < 997 |
| 1243 | > | OUT = | | 2910 | > 1204 |
| | | v | | ^ | |
| | | 621 | | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1260 | < | | | | < 1580 |
| 1370 | > | | | | > 1040 |
| | | v | | ^ | |
| | | 640 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1260 | < | | | | < 1580 |
| 1370 | > | | | | > 1040 |
| | | v | | ^ | |
| | | 640 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 670 | | 0 | |
| | | v | | ^ | |
| 2354 | < | IN = | | 5860 | < 2580 |
| 2610 | > | OUT = | | 5860 | > 2244 |
| | | v | | ^ | * |
| | | 1262 | | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[12 I-215 SB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 120 | 260 | 140 | 117% | 295 | 277 | -18 | -6% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 184 | 232 | 48 | 26% | 373 | 392 | 19 | 5% |
| | SB Total | 304 | 492 | 188 | 62% | 670 | 671 | 1 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 648 | 1,500 | 852 | 131% | 909 | 1,967 | 1,058 | 116% |
| | Right | 234 | 268 | 34 | 15% | 334 | 640 | 306 | 92% |
| | EB Total | 882 | 1,768 | 886 | 100% | 1,243 | 2,607 | 1,364 | 110% |
| WEST BOUND | Left | 389 | 652 | 263 | 68% | 285 | 621 | 336 | 118% |
| | Through | 730 | 1,438 | 708 | 97% | 712 | 1,962 | 1,250 | 176% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,119 | 2,090 | 971 | 87% | 997 | 2,583 | 1,586 | 159% |
| TOTAL ENTERING VOLUME | | 2,305 | 4,350 | 2045 | 89% | 2,910 | 5,861 | 2951 | 101% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 492 | 671 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **492** | **671** | **5%** | **7%** | **9,100** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 920 | 1,263 | | | |
| **South Leg** | **TOTAL** | **920** | **1,263** | **11%** | **15%** | **8,400** |
| East Leg | Inbound | 2,090 | 2,583 | | | |
| East Leg | Outbound | 1,760 | 2,244 | | | |
| **East Leg** | **TOTAL** | **3,850** | **4,827** | **7%** | **8%** | **57,700** |
| West Leg | Inbound | 1,768 | 2,607 | | | |
| West Leg | Outbound | 1,670 | 2,354 | | | |
| **West Leg** | **TOTAL** | **3,438** | **4,961** | **6%** | **9%** | **57,400** |
| ***OVERALL TOTAL*** | | ***8,700*** | ***11,722*** | ***7%*** | ***9%*** | ***132,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[12 I-215 SB Ramps_McCall.xls]Output*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Haun Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **42** | **41** | **90** | |
| | | | < | v | > | |
| | **95** | ^ | | | ^ | **247** |
| | **1050** | > | | | < | **784** |
| | **139** | v | | | v | **334** |
| | | | < | ^ | > | |
| | | | **85** | **35** | **224** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **0** | |
| | | | | v | ^ | |
| | **813** | < | IN = | 1772 | < | **849** |
| | **868** | > | OUT = | 1772 | > | **910** |
| | | | | v | ^ | |
| | | | | **49** | **55** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **0** | |
| | | | | v | ^ | |
| | **1452** | < | IN = | 3897 | < | **1831** |
| | **1600** | > | OUT = | 3898 | > | **1776** |
| | | | | v | ^ | |
| | | | | **670** | **466** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **10,000** | | |
| | | | N | | |
| | **36,800** | W | **LEG** | E | **48,500** |
| | | | S | | |
| | | | **24,800** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **10,000** | | |
| | | | N | | |
| | **56,800** | W | **LEG** | E | **75,500** |
| | | | S | | |
| | | | **42,800** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **103** | **90** | **245** | |
| | | | < | v | > | |
| | **80** | ^ | | | ^ | **156** |
| | **846** | > | | | < | **1098** |
| | **289** | v | | | v | **551** |
| | | | < | ^ | > | |
| | | | **312** | **63** | **530** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **0** | |
| | | | | v | ^ | |
| | **1040** | < | IN = | 2238 | < | **1101** |
| | **1061** | > | OUT = | 2238 | > | **1122** |
| | | | | v | ^ | |
| | | | | **76** | **76** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **0** | |
| | | | | v | ^ | |
| | **1837** | < | IN = | 5023 | < | **2216** |
| | **1957** | > | OUT = | 5022 | > | **2428** |
| | | | | v | ^ | |
| | | | | **757** | **850** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 10,000 | | |
| | | | N | | |
| | 36,800 | W | + | E | 48,500 |
| | | | S | | |
| | | | 24,800 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 10,000 | | |
| | | | N | | |
| | 56,800 | W | + | E | 75,500 |
| | | | S | | |
| | | | 42,800 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[13 Haun_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Haun Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 173 | 377 | |
| | | v | ^ | |
| 911 < | IN = | 3166 | < | 1365 |
| 1284 > | OUT = | 3166 | > | 1364 |
| | | v | ^ | |
| | | 514 | 344 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 640 < | | | < | 980 |
| 730 > | | | > | 870 |
| | | v | ^ | |
| | | 620 | 410 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 640 < | | | < | 980 |
| 730 > | | | > | 870 |
| | | v | ^ | |
| | | 620 | 410 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 170 | 380 | |
| | | v | ^ | |
| 1550 < | IN = | 5280 | < | 2350 |
| 2010 > | OUT = | 5290 | > | 2230 |
| | | v | ^ | * |
| | | 1130 | 750 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 438 | 299 | |
| | | v | ^ | |
| 1513 < | IN = | 4363 | < | 1805 |
| 1215 > | OUT = | 4363 | > | 1621 |
| | | v | ^ | |
| | | 930 | 905 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 800 < | | | < | 1120 |
| 900 > | | | > | 1310 |
| | | v | ^ | |
| | | 680 | 770 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 800 < | | | < | 1120 |
| 900 > | | | > | 1310 |
| | | v | ^ | |
| | | 680 | 770 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 440 | 301 | |
| | | v | ^ | |
| 2316 < | IN = | 7170 | < | 2930 |
| 2120 > | OUT = | 7170 | > | 2938 |
| | | v | ^ | * |
| | | 1615 | 1680 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[13 Haun_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Haun Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 85 | 191 | 106 | 125% | 312 | 501 | 189 | 61% |
| | Through | 35 | 47 | 12 | 34% | 63 | 66 | 3 | 5% |
| | Right | 224 | 514 | 290 | 129% | 530 | 1,113 | 583 | 110% |
| | NB Total | 344 | 752 | 408 | 119% | 905 | 1,680 | 775 | 86% |
| SOUTH BOUND | Left | 90 | 82 | -8 | -9% | 245 | 265 | 20 | 8% |
| | Through | 41 | 51 | 10 | 24% | 90 | 89 | -1 | -1% |
| | Right | 42 | 37 | -5 | -12% | 103 | 85 | -18 | -17% |
| | SB Total | 173 | 170 | -3 | -2% | 438 | 439 | 1 | 0% |
| EAST BOUND | Left | 95 | 86 | -9 | -9% | 80 | 74 | -6 | -8% |
| | Through | 1,050 | 1,634 | 584 | 56% | 846 | 1,560 | 714 | 84% |
| | Right | 139 | 294 | 155 | 112% | 289 | 488 | 199 | 69% |
| | EB Total | 1,284 | 2,014 | 730 | 57% | 1,215 | 2,122 | 907 | 75% |
| WEST BOUND | Left | 334 | 785 | 451 | 135% | 551 | 1,038 | 487 | 88% |
| | Through | 784 | 1,322 | 538 | 69% | 1,098 | 1,730 | 632 | 58% |
| | Right | 247 | 248 | 1 | 0% | 156 | 161 | 5 | 3% |
| | WB Total | 1,365 | 2,355 | 990 | 73% | 1,805 | 2,929 | 1,124 | 62% |
| TOTAL ENTERING VOLUME | | 3,166 | 5,291 | 2125 | 67% | 4,363 | 7,170 | 2807 | 64% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 170 | 439 | | | |
| North Leg | Outbound | 381 | 301 | | | |
| **North Leg** | **TOTAL** | **551** | **740** | **6%** | **7%** | **10,000** |
| | | | | | | |
| South Leg | Inbound | 752 | 1,680 | | | |
| South Leg | Outbound | 1,130 | 1,615 | | | |
| **South Leg** | **TOTAL** | **1,882** | **3,295** | **4%** | **8%** | **42,800** |
| | | | | | | |
| East Leg | Inbound | 2,355 | 2,929 | | | |
| East Leg | Outbound | 2,230 | 2,938 | | | |
| **East Leg** | **TOTAL** | **4,585** | **5,867** | **6%** | **8%** | **75,500** |
| | | | | | | |
| West Leg | Inbound | 2,014 | 2,122 | | | |
| West Leg | Outbound | 1,550 | 2,316 | | | |
| **West Leg** | **TOTAL** | **3,564** | **4,438** | **6%** | **8%** | **56,800** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***10,582*** | ***14,340*** | **6%** | ***8%*** | ***185,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[13 Haun_Newport.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Haun Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **61** **9** **403** | 2012 **39** **4** **281** |
| < v > | < v > |
| **62** ^ ^ **267** | **52** ^ ^ **371** |
| **344** > < **312** | **540** > < **368** |
| **8** v v **5** | **4** v v **10** |
| < ^ > | < ^ > |
| **5** **30** **1** | **2** **4** **3** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **77** **190** | 2012 **216** **143** |
| v ^ | v ^ |
| **349** < IN = 871 < **527** | **289** < IN = 1041 < **409** |
| **261** > OUT = 871 > **323** | **402** > OUT = 1041 > **602** |
| v ^ | v ^ |
| **9** **6** | **7** **14** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **228** **300** | 2035 **337** **405** |
| v ^ | v ^ |
| **1252** < IN = 3268 < **1396** | **1657** < IN = 4115 < **1435** |
| **1265** > OUT = 3268 > **963** | **1536** > OUT = 4114 > **1505** |
| v ^ | v ^ |
| **753** **379** | **547** **807** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **8,600** | 2012 8,600 |
| N | N |
| **13,600** W **LEG** E **20,000** | 13,600 W + E 20,000 |
| S | S |
| **400** | 400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **13,600** | 2035 13,600 |
| N | N |
| **38,600** W **LEG** E **45,000** | 38,600 W + E 45,000 |
| S | S |
| **14,400** | 14,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[14 Haun_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Haun Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 473 | 359 | | |
| | | v | ^ | | |
| 378 | < IN | = | 1507 | < | 584 |
| 414 | > OUT | = | 1507 | > | 748 |
| | | v | ^ | | |
| | | 22 | 36 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 150 | 110 | | |
| | | v | ^ | | |
| 900 | < | | | < | 870 |
| 1000 | > | | | > | 640 |
| | | v | ^ | | |
| | | 740 | 370 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 150 | 110 | | |
| | | v | ^ | | |
| 900 | < | | | < | 870 |
| 1000 | > | | | > | 640 |
| | | v | ^ | | |
| | | 740 | 370 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 620 | 470 | | |
| | | v | ^ | | |
| 1280 | < IN | = | 3890 | < | 1450 |
| 1410 | > OUT | = | 3900 | > | 1390 |
| | | v | ^ | * | |
| | | 760 | 410 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 324 | 427 | | |
| | | v | ^ | | |
| 409 | < IN | = | 1678 | < | 749 |
| 596 | > OUT | = | 1678 | > | 824 |
| | | v | ^ | | |
| | | 18 | 9 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 120 | 260 | | |
| | | v | ^ | | |
| 1370 | < | | | < | 1030 |
| 1130 | > | | | > | 900 |
| | | v | ^ | | |
| | | 540 | 511 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 120 | 260 | | |
| | | v | ^ | | |
| 1370 | < | | | < | 1030 |
| 1130 | > | | | > | 900 |
| | | v | ^ | | |
| | | 540 | 510 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 440 | 690 | | |
| | | v | ^ | | |
| 1780 | < IN | = | 4470 | < | 1780 |
| 1730 | > OUT | = | 4750 | > | 1720 |
| | | v | ^ | * | |
| | | 560 | 520 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[14 Haun_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Haun Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 5 | 164 | 159 | 3180% | 2 | 297 | 295 | 14750% |
| | Through | 30 | 220 | 190 | 633% | 4 | 161 | 157 | 3925% |
| | Right | 1 | 24 | 23 | 2300% | 3 | 99 | 96 | 3200% |
| | NB Total | 36 | 408 | 372 | 1033% | 9 | 557 | 548 | 6089% |
| SOUTH BOUND | Left | 403 | 391 | -12 | -3% | 281 | 234 | -47 | -17% |
| | Through | 9 | 153 | 144 | 1600% | 4 | 86 | 82 | 2050% |
| | Right | 61 | 81 | 20 | 33% | 39 | 146 | 107 | 274% |
| | SB Total | 473 | 625 | 152 | 32% | 324 | 466 | 142 | 44% |
| EAST BOUND | Left | 62 | 53 | -9 | -15% | 52 | 163 | 111 | 213% |
| | Through | 344 | 974 | 630 | 183% | 540 | 1,388 | 848 | 157% |
| | Right | 8 | 395 | 387 | 4838% | 4 | 265 | 261 | 6525% |
| | EB Total | 414 | 1,422 | 1,008 | 243% | 596 | 1,816 | 1,220 | 205% |
| WEST BOUND | Left | 5 | 212 | 207 | 4140% | 10 | 209 | 199 | 1990% |
| | Through | 312 | 1,035 | 723 | 232% | 368 | 1,338 | 970 | 264% |
| | Right | 267 | 197 | -70 | -26% | 371 | 366 | -5 | -1% |
| | WB Total | 584 | 1,444 | 860 | 147% | 749 | 1,913 | 1,164 | 155% |
| TOTAL ENTERING VOLUME | | 1,507 | 3,899 | 2392 | 159% | 1,678 | 4,752 | 3074 | 183% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 625 | 466 | | | |
| North Leg | Outbound | 470 | 690 | | | |
| **North Leg** | **TOTAL** | **1,095** | **1,156** | **8%** | **9%** | **13,600** |
| South Leg | Inbound | 408 | 557 | | | |
| South Leg | Outbound | 760 | 560 | | | |
| **South Leg** | **TOTAL** | **1,168** | **1,117** | **8%** | **8%** | **14,400** |
| East Leg | Inbound | 1,444 | 1,913 | | | |
| East Leg | Outbound | 1,389 | 1,721 | | | |
| **East Leg** | **TOTAL** | **2,833** | **3,634** | **6%** | **8%** | **45,000** |
| West Leg | Inbound | 1,422 | 1,816 | | | |
| West Leg | Outbound | 1,280 | 1,781 | | | |
| **West Leg** | **TOTAL** | **2,702** | **3,597** | **7%** | **9%** | **38,600** |
| ***OVERALL TOTAL*** | | ***7,798*** | ***9,504*** | ***7%*** | ***9%*** | ***111,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[14 Haun_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**244 0 397**
< v >
**0** ^ ^ **0**
**940** > < **1121**
**424** v v **621**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**250 0**
v ^
**849** < IN = 2510 < **1350**
**910** > OUT = 2511 > **746**
v ^
**916 0**

FUTURE MODEL YEAR:

**2035**

**763 0**
v ^
**1831** < IN = 4291 < **1752**
**1776** > OUT = 4291 > **1537**
v ^
**923 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**13,600**
N
**48,500** W **LEG** E **46,500**
S
**9,800**

REFINED FUTURE ADT'S BY LEG:

2035

**17,600**
N
**75,500** W **LEG** E **64,500**
S
**9,800**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**491 2 512**
< v >
**0** ^ ^ **0**
**1260** > < **1314**
**361** v v **359**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**601 0**
v ^
**1101** < IN = 3231 < **1508**
**1122** > OUT = 3232 > **1445**
v ^
**686 0**

FUTURE MODEL YEAR:

2035

**599 0**
v ^
**2216** < IN = 5367 < **2340**
**2428** > OUT = 5368 > **2282**
v ^
**870 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

13,600
N
48,500 W + E 46,500
S
9,800

REFINED FUTURE ADT'S BY LEG:

2035

17,600
N
75,500 W + E 64,500
S
9,800

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[15 I-215 SB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 641 | 0 | | |
| | | v | ^ | | |
| 1365 | < | IN = | 3747 | < | 1742 |
| 1364 | > | OUT = | 3747 | > | 1337 |
| | | v | ^ | | |
| | | 1045 | 0 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 510 | 0 | | |
| | | v | ^ | | |
| 980 | < | | | < | 400 |
| 870 | > | | | > | 790 |
| | | v | ^ | | |
| | | 10 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 510 | 0 | | |
| | | v | ^ | | |
| 980 | < | | | < | 400 |
| 870 | > | | | > | 790 |
| | | v | ^ | | |
| | | 10 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1150 | 0 | | |
| | | v | ^ | | |
| 2350 | < | IN = | 5520 | < | 2140 |
| 2230 | > | OUT = | 5540 | > | 2130 |
| | | v | ^ | * | |
| | | 1060 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 1005 | 0 | | |
| | | v | ^ | | |
| 1805 | < | IN = | 4299 | < | 1673 |
| 1621 | > | OUT = | 4299 | > | 1772 |
| | | v | ^ | | |
| | | 722 | 0 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 830 |
| 1310 | > | | | > | 840 |
| | | v | ^ | | |
| | | 180 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 830 |
| 1310 | > | | | > | 840 |
| | | v | ^ | | |
| | | 180 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1010 | 0 | | |
| | | v | ^ | | |
| 2930 | < | IN = | 6440 | < | 2500 |
| 2930 | > | OUT = | 6440 | > | 2610 |
| | | v | ^ | * | |
| | | 900 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[15 I-215 SB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 397 | 529 | 132 | 33% | 512 | 337 | -175 | -34% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 1 | -1 | -50% |
| | Right | 244 | 626 | 382 | 157% | 491 | 677 | 186 | 38% |
| | SB Total | 641 | 1,155 | 514 | 80% | 1,005 | 1,015 | 10 | 1% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 940 | 1,601 | 661 | 70% | 1,260 | 2,273 | 1,013 | 80% |
| | Right | 424 | 629 | 205 | 48% | 361 | 619 | 258 | 71% |
| | EB Total | 1,364 | 2,230 | 866 | 63% | 1,621 | 2,892 | 1,271 | 78% |
| WEST BOUND | Left | 621 | 431 | -190 | -31% | 359 | 279 | -80 | -22% |
| | Through | 1,121 | 1,724 | 603 | 54% | 1,314 | 2,253 | 939 | 71% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,742 | 2,155 | 413 | 24% | 1,673 | 2,532 | 859 | 51% |
| TOTAL ENTERING VOLUME | | 3,747 | 5,540 | 1793 | 48% | 4,299 | 6,439 | 2140 | 50% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,155 | 1,015 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **1,155** | **1,015** | **7%** | **6%** | **17,600** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 1,060 | 899 | | | |
| **South Leg** | **TOTAL** | **1,060** | **899** | **11%** | **9%** | **9,800** |
| East Leg | Inbound | 2,155 | 2,532 | | | |
| East Leg | Outbound | 2,130 | 2,610 | | | |
| **East Leg** | **TOTAL** | **4,285** | **5,142** | **7%** | **8%** | **64,500** |
| West Leg | Inbound | 2,230 | 2,892 | | | |
| West Leg | Outbound | 2,350 | 2,930 | | | |
| **West Leg** | **TOTAL** | **4,580** | **5,822** | **6%** | **8%** | **75,500** |
| ***OVERALL TOTAL*** | | ***11,080*** | ***12,878*** | ***7%*** | ***8%*** | ***167,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[15 I-215 SB Ramps_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **95** | **0** | **282** | | |
| | | < | v | > | | |
| **0** | ^ | | | | ^ | **0** |
| **404** | > | | | | < | **489** |
| **344** | v | | | | v | **464** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **349** | | **0** | | |
| | | v | | ^ | | |
| **567** | < | IN | = | 1266 | < | **578** |
| **339** | > | OUT | = | 1265 | > | **410** |
| | | v | | ^ | | |
| | | **288** | | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **388** | | **0** | | |
| | | v | | ^ | | |
| **1708** | < | IN | = | 2923 | < | **1480** |
| **1055** | > | OUT | = | 2923 | > | **771** |
| | | v | | ^ | | |
| | | **444** | | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | **7,100** | | |
| | | N | | |
| **20,000** | W | **LEG** | E | **28,000** |
| | | S | | |
| | | **8,900** | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | **7,100** | | |
| | | N | | |
| **45,000** | W | **LEG** | E | **46,000** |
| | | S | | |
| | | **11,900** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **122** | **2** | **405** | | |
| | | < | v | > | | |
| **0** | ^ | | | | ^ | **0** |
| **603** | > | | | | < | **627** |
| **221** | v | | | | v | **435** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **468** | | **0** | | |
| | | v | | ^ | | |
| **432** | < | IN | = | 1623 | < | **513** |
| **642** | > | OUT | = | 1623 | > | **847** |
| | | v | | ^ | | |
| | | **344** | | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **191** | | **0** | | |
| | | v | | ^ | | |
| **1610** | < | IN | = | 3832 | < | **1740** |
| **1901** | > | OUT | = | 3832 | > | **1527** |
| | | v | | ^ | | |
| | | **695** | | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | 7,100 | | |
| | | N | | |
| 20,000 | W | + | E | 28,000 |
| | | S | | |
| | | 8,900 | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | 7,100 | | |
| | | N | | |
| 45,000 | W | + | E | 46,000 |
| | | S | | |
| | | 11,900 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[16 I-215 SB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 377 | | 0 | |
| | | v | | ^ | |
| 584 | < | IN | = | 2078 | < 953 |
| 748 | > | OUT | = | 2078 | > 686 |
| | | v | | ^ | |
| | | 808 | | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | | 0 | |
| | | v | | ^ | |
| 1140 | < | | | | < 900 |
| 720 | > | | | | > 360 |
| | | v | | ^ | |
| | | 160 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | | 0 | |
| | | v | | ^ | |
| 1140 | < | | | | < 900 |
| 720 | > | | | | > 360 |
| | | v | | ^ | |
| | | 160 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 420 | | 0 | | |
| | | v | | ^ | | |
| 1720 | < | IN | = | 3740 | < | 1850 |
| 1470 | > | OUT | = | 3740 | > | 1050 |
| | | v | | ^ | * | |
| | | 970 | | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 529 | | 0 | |
| | | v | | ^ | |
| 749 | < | IN | = | 2415 | < 1062 |
| 824 | > | OUT | = | 2415 | > 1008 |
| | | v | | ^ | |
| | | 658 | | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1180 | < | | | | < 1230 |
| 1260 | > | | | | > 680 |
| | | v | | ^ | |
| | | 350 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1180 | < | | | | < 1230 |
| 1260 | > | | | | > 680 |
| | | v | | ^ | |
| | | 350 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 530 | | 0 | | |
| | | v | | ^ | | |
| 2043 | < | IN | = | 4900 | < | 2290 |
| 2080 | > | OUT | = | 4900 | > | 1789 |
| | | v | | ^ | * | |
| | | 1069 | | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[16 I-215 SB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 282 | 199 | -83 | -29% | 405 | 296 | -109 | -27% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 95 | 220 | 125 | 132% | 122 | 232 | 110 | 90% |
| | SB Total | 377 | 419 | 42 | 11% | 529 | 530 | 1 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 404 | 851 | 447 | 111% | 603 | 1,493 | 890 | 148% |
| | Right | 344 | 607 | 263 | 76% | 221 | 567 | 346 | 157% |
| | EB Total | 748 | 1,458 | 710 | 95% | 824 | 2,060 | 1,236 | 150% |
| WEST BOUND | Left | 464 | 363 | -101 | -22% | 435 | 501 | 66 | 15% |
| | Through | 489 | 1,500 | 1,011 | 207% | 627 | 1,811 | 1,184 | 189% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 953 | 1,863 | 910 | 95% | 1,062 | 2,312 | 1,250 | 118% |
| TOTAL ENTERING VOLUME | | 2,078 | 3,740 | 1662 | 80% | 2,415 | 4,902 | 2487 | 103% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 419 | 530 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **419** | **530** | **6%** | **7%** | **7,100** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 970 | 1,070 | | | |
| **South Leg** | **TOTAL** | **970** | **1,070** | **8%** | **9%** | **11,900** |
| | | | | | | |
| East Leg | Inbound | 1,863 | 2,312 | | | |
| East Leg | Outbound | 1,050 | 1,789 | | | |
| **East Leg** | **TOTAL** | **2,913** | **4,101** | **6%** | **9%** | **46,000** |
| | | | | | | |
| West Leg | Inbound | 1,458 | 2,060 | | | |
| West Leg | Outbound | 1,720 | 2,043 | | | |
| **West Leg** | **TOTAL** | **3,178** | **4,103** | **7%** | **9%** | **45,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,480*** | ***9,804*** | ***7%*** | ***9%*** | ***110,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[16 I-215 SB Ramps_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **164** ^ | | | | ^ | **43** |
| | **320** > | | | | < | **290** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **263** | **6** | **138** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **356** | |
| | | | | v | ^ | |
| | **324** | < | IN | = | 926 < | **426** |
| | **264** | > | OUT | = | 926 > | **246** |
| | | | | v | ^ | |
| | | | | **0** | **236** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **267** | |
| | | | | v | ^ | |
| | **2160** | < | IN | = | 4704 < | **1980** |
| | **2134** | > | OUT | = | 4703 > | **2276** |
| | | | | v | ^ | |
| | | | | **0** | **590** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **3,200** | | |
| | | | N | | |
| | **13,200** | W | **LEG** | E | **11,300** |
| | | | S | | |
| | | | **5,200** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **7,200** | | |
| | | | N | | |
| | **64,200** | W | **LEG** | E | **66,300** |
| | | | S | | |
| | | | **10,200** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **168** ^ | | | | ^ | **69** |
| | **313** > | | | | < | **280** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **213** | **1** | **174** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **164** | |
| | | | | v | ^ | |
| | **242** | < | IN | = | 969 < | **235** |
| | **501** | > | OUT | = | 969 > | **563** |
| | | | | v | ^ | |
| | | | | **0** | **233** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **609** | |
| | | | | v | ^ | |
| | **2448** | < | IN | = | 5505 < | **2755** |
| | **2245** | > | OUT | = | 5505 > | **2448** |
| | | | | v | ^ | |
| | | | | **0** | **505** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 3,200 | | |
| | | | N | | |
| | 13,200 | W | + | E | 11,300 |
| | | | S | | |
| | | | 5,200 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 7,200 | | |
| | | | N | | |
| | 64,200 | W | + | E | 66,300 |
| | | | S | | |
| | | | 10,200 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[17 I-215 NB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 213 | | |
| | | v | ^ | | |
| 553 | < IN | = | 1224 | < | 333 |
| 484 | > OUT | = | 1224 | > | 458 |
| | | v | ^ | | |
| | | 0 | 407 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | MUL |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1840 | < | | | < | 1217 |
| 1870 | > | | | > | 2030 |
| | | v | ^ | | |
| | | 0 | 350 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1840 | < | | | < | 1220 |
| 1870 | > | | | > | 2030 |
| | | v | ^ | | |
| | | 0 | 350 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 210 | | |
| | | v | ^ | | |
| 2390 | < IN | = | 4660 | < | 1550 |
| 2350 | > OUT | = | 5090 | > | 2490 |
| | | v | ^ | * | |
| | | 0 | 760 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 238 | | |
| | | v | ^ | | |
| 493 | < IN | = | 1218 | < | 349 |
| 481 | > OUT | = | 1218 | > | 487 |
| | | v | ^ | | |
| | | 0 | 388 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | MUL |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 2210 | < | | | < | 2520 |
| 1679 | > | | | > | 1633 |
| | | v | ^ | | |
| | | 0 | 270 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 2210 | < | | | < | 2520 |
| 1680 | > | | | > | 1630 |
| | | v | ^ | | |
| | | 0 | 270 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 713 | | |
| | | v | ^ | | |
| 2788 | < IN | = | 5690 | < | 2870 |
| 2160 | > OUT | = | 5690 | > | 2189 |
| | | v | ^ | * | |
| | | 0 | 660 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[17 I-215 NB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 263 | 657 | 394 | 150% | 213 | 290 | 77 | 36% |
| | Through | 6 | 1 | -5 | -83% | 1 | 1 | 0 | 0% |
| | Right | 138 | 190 | 52 | 38% | 174 | 370 | 196 | 113% |
| | NB Total | 407 | 848 | 441 | 108% | 388 | 661 | 273 | 70% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 164 | 186 | 22 | 13% | 168 | 358 | 190 | 113% |
| | Through | 320 | 2,300 | 1,980 | 619% | 313 | 1,819 | 1,506 | 481% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 484 | 2,486 | 2,002 | 414% | 481 | 2,177 | 1,696 | 353% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 290 | 1,733 | 1,443 | 498% | 280 | 2,498 | 2,218 | 792% |
| | Right | 43 | 22 | -21 | -49% | 69 | 353 | 284 | 412% |
| | WB Total | 333 | 1,755 | 1,422 | 427% | 349 | 2,851 | 2,502 | 717% |
| TOTAL ENTERING VOLUME | | 1,224 | 5,089 | 3865 | 316% | 1,218 | 5,689 | 4471 | 367% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 209 | 712 | | | |
| **North Leg** | **TOTAL** | **209** | **712** | **3%** | **10%** | **7,200** |
| | | | | | | |
| South Leg | Inbound | 848 | 661 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **848** | **661** | **8%** | **6%** | **10,200** |
| | | | | | | |
| East Leg | Inbound | 1,755 | 2,851 | | | |
| East Leg | Outbound | 2,490 | 2,189 | | | |
| **East Leg** | **TOTAL** | **4,245** | **5,040** | **6%** | **8%** | **66,300** |
| | | | | | | |
| West Leg | Inbound | 2,486 | 2,177 | | | |
| West Leg | Outbound | 2,390 | 2,788 | | | |
| **West Leg** | **TOTAL** | **4,876** | **4,965** | **8%** | **8%** | **64,200** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***10,178*** | ***11,378*** | ***7%*** | ***8%*** | ***147,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[17 I-215 NB Ramps_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **256** ^ | | | | ^ | **186** |
| | **512** > | | | | < | **923** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **196** | **2** | **229** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **349** | |
| | | | v | | ^ | |
| | **450** | < | IN | = | 1299 < | **398** |
| | **692** | > | OUT | = | 1299 > | **500** |
| | | | v | | ^ | |
| | | | | **0** | **209** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **251** | |
| | | | v | | ^ | |
| | **1433** | < | IN | = | 3415 < | **1264** |
| | **1677** | > | OUT | = | 3416 > | **1732** |
| | | | v | | ^ | |
| | | | | **0** | **474** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **5,100** | | |
| | | | N | | |
| | **29,700** | W | **LEG** | E | **29,800** |
| | | | S | | |
| | | | **9,300** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **5,100** | | |
| | | | N | | |
| | **57,700** | W | **LEG** | E | **58,800** |
| | | | S | | |
| | | | **13,300** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **264** ^ | | | | ^ | **112** |
| | **940** > | | | | < | **731** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **266** | **1** | **423** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **435** | |
| | | | v | | ^ | |
| | **706** | < | IN | = | 1656 < | **603** |
| | **721** | > | OUT | = | 1656 > | **515** |
| | | | v | | ^ | |
| | | | | **0** | **332** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **384** | |
| | | | v | | ^ | |
| | **2281** | < | IN | = | 4393 < | **2104** |
| | **1757** | > | OUT | = | 4393 > | **1728** |
| | | | v | | ^ | |
| | | | | **0** | **532** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 5,100 | | |
| | | | N | | |
| | 29,700 | W | + | E | 29,800 |
| | | | S | | |
| | | | 9,300 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 5,100 | | |
| | | | N | | |
| | 57,700 | W | + | E | 58,800 |
| | | | S | | |
| | | | 13,300 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[18 I-215 NB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

```
                    0   444
                    v     ^
1119 <  IN   =   2304 <  1109
 768 >  OUT =    2304 >   741
                    v     ^
                    0   427
```

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                    MUL   MIN
                     v     ^
ADD  <                     < ADD
ADD  >                     > ADD
                     v     ^
                    MUL   ADD
```

MINIMUM GROWTH %s 2012 TO 2035

```
                    0%    0%
                     v     ^
 0% <                      <  0%
 0% >                      >  0%
                     v     ^
                    0%    0%
```

REFINED GROWTH: 2012 TO 2035

```
                    0     0
                     v     ^
980 <                      <  870
990 >                      > 1230
                     v     ^
                    0   270
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0     0
                     v     ^
980 <                      <  870
990 >                      > 1230
                     v     ^
                    0   270
```

NEW PROJECTED VOLUMES: 2035

```
                    0   440
                     v     ^
2100 <  IN   =   4440 <  1980
1760 >  OUT =    4510 >  1970
                     v     ^   *
                    0   700
```

**PM**

EXISTING COUNT YEAR:
2012

```
                    0   377
                     v     ^
 997 <  IN   =   2737 <   843
1204 >  OUT =    2737 >  1363
                     v     ^
                    0   690
```

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                    MUL   MIN
                     v     ^
ADD  <                     < ADD
ADD  >                     > ADD
                     v     ^
                    MUL   ADD
```

```
                    0%    0%
                     v     ^
 0% <                      <  0%
 0% >                      >  0%
                     v     ^
                    0%    0%
```

ADJUSTED GROWTH: 2012 TO 2035

```
                    0     0
                     v     ^
1580 <                     < 1500
1040 >                     > 1210
                     v     ^
                    0   200
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0     0
                     v     ^
1580 <                     < 1500
1040 >                     > 1210
                     v     ^
                    0   200
```

NEW PROJECTED VOLUMES: 2035

```
                    0   380
                     v     ^
2580 <  IN   =   5470 <  2340
2240 >  OUT =    5530 >  2570
                     v     ^   *
                    0   890
```

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[18 I-215 NB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 196 | 272 | 76 | 39% | 266 | 351 | 85 | 32% |
| | Through | 2 | 1 | -1 | -50% | 1 | 1 | 0 | 0% |
| | Right | 229 | 438 | 209 | 91% | 423 | 548 | 125 | 30% |
| | NB Total | 427 | 711 | 284 | 67% | 690 | 900 | 210 | 30% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 256 | 264 | 8 | 3% | 264 | 239 | -25 | -9% |
| | Through | 512 | 1,532 | 1,020 | 199% | 940 | 2,022 | 1,082 | 115% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 768 | 1,796 | 1,028 | 134% | 1,204 | 2,261 | 1,057 | 88% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 923 | 1,828 | 905 | 98% | 731 | 2,229 | 1,498 | 205% |
| | Right | 186 | 175 | -11 | -6% | 112 | 141 | 29 | 26% |
| | WB Total | 1,109 | 2,003 | 894 | 81% | 843 | 2,370 | 1,527 | 181% |
| TOTAL ENTERING VOLUME | | 2,304 | 4,510 | 2206 | 96% | 2,737 | 5,531 | 2794 | 102% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 440 | 381 | | | |
| **North Leg** | **TOTAL** | **440** | **381** | **9%** | **7%** | **5,100** |
| | | | | | | |
| South Leg | Inbound | 711 | 900 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **711** | **900** | **5%** | **7%** | **13,300** |
| | | | | | | |
| East Leg | Inbound | 2,003 | 2,370 | | | |
| East Leg | Outbound | 1,970 | 2,570 | | | |
| **East Leg** | **TOTAL** | **3,973** | **4,940** | **7%** | **8%** | **58,800** |
| | | | | | | |
| West Leg | Inbound | 1,796 | 2,261 | | | |
| West Leg | Outbound | 2,100 | 2,580 | | | |
| **West Leg** | **TOTAL** | **3,896** | **4,841** | **7%** | **8%** | **57,700** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***9,020*** | ***11,062*** | ***7%*** | ***8%*** | ***134,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[18 I-215 NB Ramps_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**0 0 0**
< v >
**253** ^ ^ **404**
**1084** > < **1500**
**0** v v **0**
< ^ >
**242 1 370**

EXISTING MODEL YEAR:

**2012**

**0 458**
v ^
**1350** < IN = 3106 < **1609**
**745** > OUT = 3105 > **1297**
v ^
**0 752**

FUTURE MODEL YEAR:

**2035**

**0 528**
v ^
**1752** < IN = 4074 < **1660**
**1537** > OUT = 4075 > **1795**
v ^
**0 877**

EXISTING (COUNTED) ADTs BY LEG:

2012

**9,700**
N
**46,500** W **LEG** E **52,700**
S
**16,600**

REFINED FUTURE ADT'S BY LEG:

2035

**14,700**
N
**64,500** W **LEG** E **60,700**
S
**16,600**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**0 0 0**
< v >
**356** ^ ^ **359**
**1416** > < **1148**
**0** v v **0**
< ^ >
**525 0 707**

EXISTING MODEL YEAR:

2012

**0 352**
v ^
**1508** < IN = 3859 < **1469**
**1445** > OUT = 3859 > **1999**
v ^
**0 945**

FUTURE MODEL YEAR:

2035

**0 803**
v ^
**2340** < IN = 5296 < **2081**
**2282** > OUT = 5297 > **2154**
v ^
**0 933**

EXISTING (COUNTED) ADTs BY LEG:

2012

9,700
N
46,500 W + E 52,700
S
16,600

REFINED FUTURE ADT'S BY LEG:

2035

14,700
N
64,500 W + E 60,700
S
16,600

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[19 I-215 NB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 658 | |
| | | v | ^ | |
| 1742 < | IN = | 3854 | < | 1904 |
| 1337 > | OUT = | 3854 | > | 1454 |
| | | v | ^ | |
| | | 0 | 613 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 70 | |
| | | v | ^ | |
| 400 < | | | < | 50 |
| 790 > | | | > | 500 |
| | | v | ^ | |
| | | 0 | 97 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 70 | |
| | | v | ^ | |
| 400 < | | | < | 50 |
| 790 > | | | > | 500 |
| | | v | ^ | |
| | | 0 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 730 | |
| | | v | ^ | |
| 2140 < | IN = | 4790 | < | 1950 |
| 2130 > | OUT = | 4820 | > | 1950 |
| | | v | ^ | * |
| | | 0 | 710 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 715 | |
| | | v | ^ | |
| 1673 < | IN = | 4511 | < | 1507 |
| 1772 > | OUT = | 4511 | > | 2123 |
| | | v | ^ | |
| | | 0 | 1232 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MIN | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 450 | |
| | | v | ^ | |
| 830 < | | | < | 610 |
| 840 > | | | > | 160 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 450 | |
| | | v | ^ | |
| 830 < | | | < | 610 |
| 840 > | | | > | 160 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 1172 | |
| | | v | ^ | |
| 2504 < | IN = | 5960 | < | 2120 |
| 2610 > | OUT = | 5960 | > | 2284 |
| | | v | ^ | * |
| | | 0 | 1230 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[19 I-215 NB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 242 | 418 | 176 | 73% | 525 | 774 | 249 | 47% |
| | Through | 1 | 1 | 0 | 0% | 0 | 0 | 0 | #DIV/0! |
| | Right | 370 | 298 | -72 | -19% | 707 | 459 | -248 | -35% |
| | NB Total | 613 | 717 | 104 | 17% | 1,232 | 1,233 | 1 | 0% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 253 | 467 | 214 | 85% | 356 | 771 | 415 | 117% |
| | Through | 1,084 | 1,652 | 568 | 52% | 1,416 | 1,825 | 409 | 29% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 1,337 | 2,119 | 782 | 58% | 1,772 | 2,596 | 824 | 47% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 1,500 | 1,722 | 222 | 15% | 1,148 | 1,731 | 583 | 51% |
| | Right | 404 | 262 | -142 | -35% | 359 | 401 | 42 | 12% |
| | WB Total | 1,904 | 1,984 | 80 | 4% | 1,507 | 2,132 | 625 | 41% |
| TOTAL ENTERING VOLUME | | 3,854 | 4,820 | 966 | 25% | 4,511 | 5,961 | 1450 | 32% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 730 | 1,172 | | | |
| **North Leg** | **TOTAL** | **730** | **1,172** | **5%** | **8%** | **14,700** |
| South Leg | Inbound | 717 | 1,233 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **717** | **1,233** | **4%** | **7%** | **16,600** |
| East Leg | Inbound | 1,984 | 2,132 | | | |
| East Leg | Outbound | 1,950 | 2,284 | | | |
| **East Leg** | **TOTAL** | **3,934** | **4,416** | **6%** | **7%** | **60,700** |
| West Leg | Inbound | 2,119 | 2,596 | | | |
| West Leg | Outbound | 2,140 | 2,505 | | | |
| **West Leg** | **TOTAL** | **4,259** | **5,101** | **7%** | **8%** | **64,500** |
| ***OVERALL TOTAL*** | | ***9,640*** | ***11,922*** | **6%** | ***8%*** | ***156,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[19 I-215 NB Ramps_Newport.xls]Outpu*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **99** | ^ | | | ^ | **354** |
| | **587** | > | | | < | **838** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **115** | **1** | **286** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **484** | |
| | | | | v | ^ | |
| | **578** | < | IN | = | 1685 < | **849** |
| | **410** | > | OUT | = | 1685 > | **623** |
| | | | | v | ^ | |
| | | | | **0** | **426** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **133** | |
| | | | | v | ^ | |
| | **1480** | < | IN | = | 2745 < | **1129** |
| | **771** | > | OUT | = | 2745 > | **1132** |
| | | | | v | ^ | |
| | | | | **0** | **845** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **6,300** | | |
| | | | N | | |
| | **28,000** | W | **LEG** | E | **35,700** |
| | | | S | | |
| | | | **10,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **6,300** | | |
| | | | N | | |
| | **46,000** | W | **LEG** | E | **47,700** |
| | | | S | | |
| | | | **12,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **109** | ^ | | | ^ | **356** |
| | **899** | > | | | < | **788** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **274** | **0** | **516** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **365** | |
| | | | | v | ^ | |
| | **513** | < | IN | = | 1893 < | **621** |
| | **847** | > | OUT | = | 1893 > | **1015** |
| | | | | v | ^ | |
| | | | | **0** | **425** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **289** | |
| | | | | v | ^ | |
| | **1740** | < | IN | = | 3512 < | **1193** |
| | **1527** | > | OUT | = | 3512 > | **1483** |
| | | | | v | ^ | |
| | | | | **0** | **792** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 6,300 | | |
| | | | N | | |
| | 28,000 | W | + | E | 35,700 |
| | | | S | | |
| | | | 10,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 6,300 | | |
| | | | N | | |
| | 46,000 | W | + | E | 47,700 |
| | | | S | | |
| | | | 12,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[20 I-215 NB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 454 | | |
| | | v | ^ | | |
| 953 | < IN | = | 2280 | < | 1192 |
| 686 | > OUT | = | 2280 | > | 873 |
| | | v | ^ | | |
| | | 0 | 402 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 900 | < | | | < | 280 |
| 360 | > | | | > | 510 |
| | | v | ^ | | |
| | | 0 | 398 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 900 | < | | | < | 280 |
| 360 | > | | | > | 510 |
| | | v | ^ | | |
| | | 0 | 400 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 1850 | < IN | = | 3320 | < | 1470 |
| 1050 | > OUT | = | 3680 | > | 1380 |
| | | v | ^ | * | |
| | | 0 | 800 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 465 | | |
| | | v | ^ | | |
| 1062 | < IN | = | 2942 | < | 1144 |
| 1008 | > OUT | = | 2942 | > | 1415 |
| | | v | ^ | | |
| | | 0 | 790 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1230 | < | | | < | 570 |
| 680 | > | | | > | 470 |
| | | v | ^ | | |
| | | 0 | 370 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1230 | < | | | < | 570 |
| 680 | > | | | > | 470 |
| | | v | ^ | | |
| | | 0 | 370 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 470 | | |
| | | v | ^ | | |
| 2290 | < IN | = | 4560 | < | 1710 |
| 1690 | > OUT | = | 4650 | > | 1890 |
| | | v | ^ | * | |
| | | 0 | 1160 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[20 I-215 NB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 115 | 464 | 349 | 303% | 274 | 772 | 498 | 182% |
| | Through | 1 | 2 | 1 | 100% | 0 | 0 | 0 | #DIV/0! |
| | Right | 286 | 420 | 134 | 47% | 516 | 414 | -102 | -20% |
| | NB Total | 402 | 886 | 484 | 120% | 790 | 1,186 | 396 | 50% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 99 | 193 | 94 | 95% | 109 | 225 | 116 | 106% |
| | Through | 587 | 960 | 373 | 64% | 899 | 1,476 | 577 | 64% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 686 | 1,153 | 467 | 68% | 1,008 | 1,701 | 693 | 69% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 838 | 1,386 | 548 | 65% | 788 | 1,518 | 730 | 93% |
| | Right | 354 | 255 | -99 | -28% | 356 | 245 | -111 | -31% |
| | WB Total | 1,192 | 1,641 | 449 | 38% | 1,144 | 1,763 | 619 | 54% |
| TOTAL ENTERING VOLUME | | 2,280 | 3,680 | 1400 | 61% | 2,942 | 4,650 | 1708 | 58% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 450 | 470 | | | |
| **North Leg** | **TOTAL** | **450** | **470** | **7%** | **7%** | **6,300** |
| | | | | | | |
| South Leg | Inbound | 886 | 1,186 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **886** | **1,186** | **7%** | **9%** | **12,700** |
| | | | | | | |
| East Leg | Inbound | 1,641 | 1,763 | | | |
| East Leg | Outbound | 1,380 | 1,890 | | | |
| **East Leg** | **TOTAL** | **3,021** | **3,653** | **6%** | **8%** | **47,700** |
| | | | | | | |
| West Leg | Inbound | 1,153 | 1,701 | | | |
| West Leg | Outbound | 1,850 | 2,290 | | | |
| **West Leg** | **TOTAL** | **3,003** | **3,991** | **7%** | **9%** | **46,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,360*** | ***9,300*** | ***7%*** | ***8%*** | ***112,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[20 I-215 NB Ramps_Scott.xls]Output (3*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Encanto Dr (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**0 0 0**
< v >
**0** ^ ^ **0**
**425** > < **285**
**33** v v **28**
< ^ >
**48 0 53**

EXISTING MODEL YEAR:

**2012**

**0 0**
v ^
**426** < IN = 764 < **251**
**246** > OUT = 764 > **317**
v ^
**21 267**

FUTURE MODEL YEAR:

**2035**

**0 0**
v ^
**1980** < IN = 4367 < **1830**
**2276** > OUT = 4368 > **2178**
v ^
**210 261**

EXISTING (COUNTED) ADTs BY LEG:

2012

**0**
N
**11,300** W **LEG** E **10,200**
S
**3,200**

REFINED FUTURE ADT'S BY LEG:

2035

**0**
N
**66,300** W **LEG** E **62,200**
S
**8,200**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**0 0 0**
< v >
**0** ^ ^ **0**
**395** > < **280**
**92** v v **33**
< ^ >
**69 0 44**

EXISTING MODEL YEAR:

2012

**0 0**
v ^
**235** < IN = 941 < **343**
**563** > OUT = 942 > **371**
v ^
**336 35**

FUTURE MODEL YEAR:

2035

**0 0**
v ^
**2755** < IN = 5346 < **2514**
**2448** > OUT = 5347 > **2198**
v ^
**394 384**

EXISTING (COUNTED) ADTs BY LEG:

2012

0
N
11,300 W + E 10,200
S
3,200

REFINED FUTURE ADT'S BY LEG:

2035

0
N
66,300 W + E 62,200
S
8,200

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[21 Encanto_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 333 < | IN = | 872 | < | 313 |
| 458 > | OUT = | 872 | > | 478 |
| | | v | ^ | |
| | | 61 | 101 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| MUL | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1217 | < | | < | 1580 |
| 2030 | > | | > | 1860 |
| | | v | ^ | |
| | | 190 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1220 | < | | < | 1580 |
| 2030 | > | | > | 1860 |
| | | v | ^ | |
| | | 190 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1677 | < IN = | 4480 | < | 1890 |
| 2490 | > OUT = | 4480 | > | 2532 |
| | | v | ^ | * |
| | | 271 | 100 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 349 < | IN = | 913 | < | 313 |
| 487 > | OUT = | 913 | > | 439 |
| | | v | ^ | |
| | | 125 | 113 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | MUL |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2520 | < | | < | 1987 |
| 1633 | > | | > | 1830 |
| | | v | ^ | |
| | | 25 | 350 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2520 | < | | < | 1990 |
| 1630 | > | | > | 1830 |
| | | v | ^ | |
| | | 30 | 350 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2870 | < IN = | 4880 | < | 2300 |
| 2120 | > OUT = | 5300 | > | 2270 |
| | | v | ^ | * |
| | | 160 | 460 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[21 Encanto_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 48 | 32 | -16 | -33% | 69 | 358 | 289 | 419% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 69 | 16 | 30% | 44 | 146 | 102 | 232% |
| | NB Total | 101 | 101 | 0 | 0% | 113 | 504 | 391 | 346% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 425 | 2,463 | 2,038 | 480% | 395 | 2,124 | 1,729 | 438% |
| | Right | 33 | 101 | 68 | 206% | 92 | 116 | 24 | 26% |
| | EB Total | 458 | 2,564 | 2,106 | 460% | 487 | 2,240 | 1,753 | 360% |
| WEST BOUND | Left | 28 | 169 | 141 | 504% | 33 | 44 | 11 | 33% |
| | Through | 285 | 1,646 | 1,361 | 478% | 280 | 2,512 | 2,232 | 797% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 313 | 1,815 | 1,502 | 480% | 313 | 2,556 | 2,243 | 717% |
| TOTAL ENTERING VOLUME | | 872 | 4,480 | 3608 | 414% | 913 | 5,300 | 4387 | 481% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| South Leg | Inbound | 101 | 504 | | | |
| South Leg | Outbound | 270 | 160 | | | |
| **South Leg** | **TOTAL** | **371** | **664** | **5%** | **8%** | **8,200** |
| East Leg | Inbound | 1,815 | 2,556 | | | |
| East Leg | Outbound | 2,532 | 2,270 | | | |
| **East Leg** | **TOTAL** | **4,347** | **4,826** | **7%** | **8%** | **62,200** |
| West Leg | Inbound | 2,564 | 2,240 | | | |
| West Leg | Outbound | 1,678 | 2,870 | | | |
| **West Leg** | **TOTAL** | **4,242** | **5,110** | **6%** | **8%** | **66,300** |
| ***OVERALL TOTAL*** | | ***8,960*** | ***10,600*** | ***7%*** | ***8%*** | ***136,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[21 Encanto_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Encanto Dr (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **98** | **9** | **46** | | |
| | | < | v | > | | |
| **83** | ^ | | | | ^ | **44** |
| **561** | > | | | | < | **814** |
| **97** | v | | | | v | **15** |
| | | < | ^ | > | | |
| | | **197** | **12** | **20** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **27** | **235** | | |
| | | | v | ^ | | |
| **398** | < | IN = | | 1002 | < | **475** |
| **500** | > | OUT = | | 1001 | > | **368** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **246** | **411** | | |
| | | | v | ^ | | |
| **1264** | < | IN = | | 3055 | < | **1077** |
| **1732** | > | OUT = | | 3054 | > | **1379** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | **4,800** | | |
| | | N | | |
| **29,800** | W | **LEG** | E | **21,600** |
| | | S | | |
| | | **7,800** | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | **13,800** | | |
| | | N | | |
| **57,700** | W | **LEG** | E | **58,800** |
| | | S | | |
| | | **7,800** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **88** | **16** | **26** | | |
| | | < | v | > | | |
| **174** | ^ | | | | ^ | **34** |
| **887** | > | | | | < | **584** |
| **302** | v | | | | v | **34** |
| | | < | ^ | > | | |
| | | **171** | **20** | **37** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **311** | **51** | | |
| | | | v | ^ | | |
| **603** | < | IN = | | 1261 | < | **435** |
| **515** | > | OUT = | | 1261 | > | **607** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **558** | **400** | | |
| | | | v | ^ | | |
| **2104** | < | IN = | | 3932 | < | **1646** |
| **1728** | > | OUT = | | 3933 | > | **1429** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | 4,800 | | |
| | | N | | |
| 29,800 | W | + | E | 21,600 |
| | | S | | |
| | | 7,800 | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | 13,800 | | |
| | | N | | |
| 57,700 | W | + | E | 58,800 |
| | | S | | |
| | | 7,800 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[22 Encanto_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Encanto Dr (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 153 | 139 | | |
| | | v | ^ | | |
| 1109 | < IN | = | 1996 | < | 873 |
| 741 | > OUT | = | 1996 | > | 627 |
| | | v | ^ | | |
| | | 121 | 229 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 101 | | |
| | | v | ^ | | |
| 870 | < | | | < | 600 |
| 1230 | > | | | > | 1010 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 100 | | |
| | | v | ^ | | |
| 870 | < | | | < | 600 |
| 1230 | > | | | > | 1010 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 370 | 244 | | |
| | | v | ^ | | |
| 2010 | < IN | = | 4040 | < | 1470 |
| 1970 | > OUT | = | 4040 | > | 1665 |
| | | v | ^ | * | |
| | | 122 | 230 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 130 | 228 | | |
| | | v | ^ | | |
| 843 | < IN | = | 2373 | < | 652 |
| 1363 | > OUT | = | 2373 | > | 950 |
| | | v | ^ | | |
| | | 352 | 228 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 350 | | |
| | | v | ^ | | |
| 1500 | < | | | < | 1210 |
| 1210 | > | | | > | 820 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 350 | | |
| | | v | ^ | | |
| 1500 | < | | | < | 1210 |
| 1210 | > | | | > | 820 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 230 | 580 | | |
| | | v | ^ | | |
| 2340 | < IN | = | 4890 | < | 1860 |
| 2570 | > OUT | = | 5040 | > | 1770 |
| | | v | ^ | * | |
| | | 350 | 230 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[22 Encanto_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Encanto Dr (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 197 | 221 | 24 | 12% | 171 | 213 | 42 | 25% |
| | Through | 12 | 6 | -6 | -50% | 20 | 14 | -6 | -30% |
| | Right | 20 | 11 | -9 | -45% | 37 | 18 | -19 | -51% |
| | NB Total | 229 | 238 | 9 | 4% | 228 | 245 | 17 | 7% |
| SOUTH BOUND | Left | 46 | 69 | 23 | 50% | 26 | 25 | -1 | -4% |
| | Through | 9 | 5 | -4 | -44% | 16 | 8 | -8 | -50% |
| | Right | 98 | 304 | 206 | 210% | 88 | 213 | 125 | 142% |
| | SB Total | 153 | 378 | 225 | 147% | 130 | 246 | 116 | 89% |
| EAST BOUND | Left | 83 | 204 | 121 | 146% | 174 | 501 | 327 | 188% |
| | Through | 561 | 1,585 | 1,024 | 183% | 887 | 1,727 | 840 | 95% |
| | Right | 97 | 111 | 14 | 14% | 302 | 318 | 16 | 5% |
| | EB Total | 741 | 1,900 | 1,159 | 156% | 1,363 | 2,546 | 1,183 | 87% |
| WEST BOUND | Left | 15 | 5 | -10 | -67% | 34 | 24 | -10 | -29% |
| | Through | 814 | 1,485 | 671 | 82% | 584 | 1,914 | 1,330 | 228% |
| | Right | 44 | 34 | -10 | -23% | 34 | 64 | 30 | 88% |
| | WB Total | 873 | 1,524 | 651 | 75% | 652 | 2,002 | 1,350 | 207% |
| TOTAL ENTERING VOLUME | | 1,996 | 4,040 | 2044 | 102% | 2,373 | 5,039 | 2666 | 112% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 378 | 246 | | | |
| North Leg | Outbound | 244 | 579 | | | |
| **North Leg** | **TOTAL** | **622** | **825** | **5%** | **6%** | **13,800** |
| South Leg | Inbound | 238 | 245 | | | |
| South Leg | Outbound | 121 | 350 | | | |
| **South Leg** | **TOTAL** | **359** | **595** | **5%** | **8%** | **7,800** |
| East Leg | Inbound | 1,524 | 2,002 | | | |
| East Leg | Outbound | 1,665 | 1,770 | | | |
| **East Leg** | **TOTAL** | **3,189** | **3,772** | **5%** | **6%** | **58,800** |
| West Leg | Inbound | 1,900 | 2,546 | | | |
| West Leg | Outbound | 2,010 | 2,340 | | | |
| **West Leg** | **TOTAL** | **3,910** | **4,886** | **7%** | **8%** | **57,700** |
| ***OVERALL TOTAL*** | | ***8,080*** | ***10,078*** | **6%** | ***7%*** | ***138,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[22 Encanto_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Antelope Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **160** | **70** | **110** | |
| | | | < | v | > | |
| | **70** | ^ | | | ^ | **78** |
| | **719** | > | | | < | **1340** |
| | **665** | v | | | v | **128** |
| | | | < | ^ | > | |
| | | | **404** | **40** | **118** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **374** | **194** | | |
| | | | v | ^ | | |
| | **1609** | < | IN = | 3005 | < | **749** |
| | **1297** | > | OUT = | 3005 | > | **856** |
| | | | v | ^ | | |
| | | | **346** | **585** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | **247** | **166** | | |
| | | | v | ^ | | |
| | **1660** | < | IN = | 3616 | < | **1195** |
| | **1795** | > | OUT = | 3616 | > | **1372** |
| | | | v | ^ | | |
| | | | **418** | **379** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **7,500** | | | |
| | | | N | | | |
| | **52,700** | W | **LEG** | E | | **34,200** |
| | | | S | | | |
| | | | **18,700** | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **7,500** | | | |
| | | | N | | | |
| | **60,700** | W | **LEG** | E | | **46,200** |
| | | | S | | | |
| | | | **18,700** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **108** | **61** | **18** | |
| | | | < | v | > | |
| | **238** | ^ | | | ^ | **31** |
| | **1172** | > | | | < | **836** |
| | **713** | v | | | v | **129** |
| | | | < | ^ | > | |
| | | | **563** | **101** | **207** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **276** | **419** | | |
| | | | v | ^ | | |
| | **1469** | < | IN = | 3616 | < | **883** |
| | **1999** | > | OUT = | 3616 | > | **985** |
| | | | v | ^ | | |
| | | | **743** | **458** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **235** | **319** | | |
| | | | v | ^ | | |
| | **2081** | < | IN = | 4536 | < | **1591** |
| | **2154** | > | OUT = | 4536 | > | **1603** |
| | | | v | ^ | | |
| | | | **533** | **556** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | 7,500 | | | |
| | | | N | | | |
| | 52,700 | W | + | E | | 34,200 |
| | | | S | | | |
| | | | 18,700 | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | 7,500 | | | |
| | | | N | | | |
| | 60,700 | W | + | E | | 46,200 |
| | | | S | | | |
| | | | 18,700 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[23 Antelope_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Antelope Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 340 | 188 | |
| | | v | ^ | |
| 1904 < | IN = | 3902 | < | 1546 |
| 1454 > | OUT = | 3902 | > | 947 |
| | | v | ^ | |
| | | 863 | 562 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 50 < | | | < | 450 |
| 500 > | | | > | 520 |
| | | v | ^ | |
| | | 70 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 50 < | | | < | 450 |
| 500 > | | | > | 520 |
| | | v | ^ | |
| | | 70 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 340 | 203 | |
| | | v | ^ | |
| 2083 < | IN = | 4850 | < | 2000 |
| 1950 > | OUT = | 4850 | > | 1570 |
| | | v | ^ | * |
| | | 994 | 560 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 187 | 370 | |
| | | v | ^ | |
| 1507 < | IN = | 4177 | < | 996 |
| 2123 > | OUT = | 4177 | > | 1397 |
| | | v | ^ | |
| | | 903 | 871 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 610 < | | | < | 710 |
| 160 > | | | > | 620 |
| | | v | ^ | |
| | | 0 | 100 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 610 < | | | < | 710 |
| 160 > | | | > | 620 |
| | | v | ^ | |
| | | 0 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 190 | 370 | |
| | | v | ^ | |
| 2120 < | IN = | 5150 | < | 1710 |
| 2280 > | OUT = | 5410 | > | 2020 |
| | | v | ^ | * |
| | | 900 | 970 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[23 Antelope_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Antelope Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 404 | 318 | -86 | -21% | 563 | 540 | -23 | -4% |
| | Through | 40 | 35 | -5 | -13% | 101 | 109 | 8 | 8% |
| | Right | 118 | 205 | 87 | 74% | 207 | 368 | 161 | 78% |
| | NB Total | 562 | 558 | -4 | -1% | 871 | 1,017 | 146 | 17% |
| SOUTH BOUND | Left | 110 | 165 | 55 | 50% | 18 | 32 | 14 | 78% |
| | Through | 70 | 67 | -3 | -4% | 61 | 64 | 3 | 5% |
| | Right | 160 | 109 | -51 | -32% | 108 | 103 | -5 | -5% |
| | SB Total | 340 | 341 | 1 | 0% | 187 | 199 | 12 | 6% |
| EAST BOUND | Left | 70 | 60 | -10 | -14% | 238 | 199 | -39 | -16% |
| | Through | 719 | 1,200 | 481 | 67% | 1,172 | 1,620 | 448 | 38% |
| | Right | 665 | 705 | 40 | 6% | 713 | 585 | -128 | -18% |
| | EB Total | 1,454 | 1,965 | 511 | 35% | 2,123 | 2,404 | 281 | 13% |
| WEST BOUND | Left | 128 | 221 | 93 | 73% | 129 | 251 | 122 | 95% |
| | Through | 1,340 | 1,656 | 316 | 24% | 836 | 1,476 | 640 | 77% |
| | Right | 78 | 108 | 30 | 38% | 31 | 62 | 31 | 100% |
| | WB Total | 1,546 | 1,985 | 439 | 28% | 996 | 1,789 | 793 | 80% |
| TOTAL ENTERING VOLUME | | 3,902 | 4,849 | 947 | 24% | 4,177 | 5,409 | 1232 | 29% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 341 | 199 | | | |
| North Leg | Outbound | 203 | 370 | | | |
| **North Leg** | **TOTAL** | **544** | **569** | **7%** | **8%** | **7,500** |
| South Leg | Inbound | 558 | 1,017 | | | |
| South Leg | Outbound | 993 | 900 | | | |
| **South Leg** | **TOTAL** | **1,551** | **1,917** | **8%** | **10%** | **18,700** |
| East Leg | Inbound | 1,985 | 1,789 | | | |
| East Leg | Outbound | 1,570 | 2,020 | | | |
| **East Leg** | **TOTAL** | **3,555** | **3,809** | **8%** | **8%** | **46,200** |
| West Leg | Inbound | 1,965 | 2,404 | | | |
| West Leg | Outbound | 2,083 | 2,119 | | | |
| **West Leg** | **TOTAL** | **4,048** | **4,523** | **7%** | **7%** | **60,700** |
| ***OVERALL TOTAL*** | | ***9,698*** | ***10,818*** | ***7%*** | ***8%*** | ***133,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[23 Antelope_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Antelope Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **284 283 69** | 2012 **253 107 57** |
| < v > | < v > |
| **132** ^ ^ **33** | **291** ^ ^ **37** |
| **437** > < **552** | **804** > < **521** |
| **304** v v **83** | **320** v v **75** |
| < ^ > | < ^ > |
| **356 111 41** | **370 270 123** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **84 364** | 2012 **332 238** |
| v ^ | v ^ |
| **849** < IN = 1614 < **542** | **621** < IN = 1890 < **377** |
| **623** > OUT = 1613 > **314** | **1015** > OUT = 1891 > **573** |
| v ^ | v ^ |
| **86 365** | **459 166** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **287 394** | 2035 **523 520** |
| v ^ | v ^ |
| **1129** < IN = 2603 < **976** | **1193** < IN = 3353 < **1219** |
| **1132** > OUT = 2604 > **1013** | **1483** > OUT = 3352 > **1260** |
| v ^ | v ^ |
| **68 208** | **379 128** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **13,500** | 2012 13,500 |
| N | N |
| **35,700** W **LEG** E **21,300** | 35,700 W + E 21,300 |
| S | S |
| **17,100** | 17,100 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **18,500** | 2035 18,500 |
| N | N |
| **47,700** W **LEG** E **34,300** | 47,700 W + E 34,300 |
| S | S |
| **17,100** | 17,100 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[24 Antelope_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Antelope Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 636 | 276 | |
| | | v | ^ | |
| 1192 < | IN = | 2685 | < | 668 |
| 873 > | OUT = | 2685 | > | 547 |
| | | v | ^ | |
| | | 670 | 508 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 200 | 24 | |
| | | v | ^ | |
| 280 < | | | < | 430 |
| 510 > | | | > | 700 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 200 | 20 | |
| | | v | ^ | |
| 280 < | | | < | 430 |
| 510 > | | | > | 700 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 840 | 311 | |
| | | v | ^ | |
| 1526 < | IN = | 3830 | < | 1100 |
| 1380 > | OUT = | 3830 | > | 1297 |
| | | v | ^ | * |
| | | 695 | 510 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 417 | 598 | |
| | | v | ^ | |
| 1144 < | IN = | 3228 | < | 633 |
| 1415 > | OUT = | 3228 | > | 984 |
| | | v | ^ | |
| | | 502 | 763 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MIN | MIN | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 190 | 280 | |
| | | v | ^ | |
| 570 < | | | < | 840 |
| 470 > | | | > | 690 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 190 | 280 | |
| | | v | ^ | |
| 570 < | | | < | 840 |
| 470 > | | | > | 690 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 610 | 880 | |
| | | v | ^ | |
| 1710 < | IN = | 4730 | < | 1470 |
| 1890 > | OUT = | 4760 | > | 1670 |
| | | v | ^ | * |
| | | 500 | 760 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[24 Antelope_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Antelope Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 356 | 304 | -52 | -15% | 370 | 240 | -130 | -35% |
| | Through | 111 | 112 | 1 | 1% | 270 | 337 | 67 | 25% |
| | Right | 41 | 93 | 52 | 127% | 123 | 189 | 66 | 54% |
| | NB Total | 508 | 509 | 1 | 0% | 763 | 766 | 3 | 0% |
| SOUTH BOUND | Left | 69 | 207 | 138 | 200% | 57 | 169 | 112 | 196% |
| | Through | 283 | 311 | 28 | 10% | 107 | 128 | 21 | 20% |
| | Right | 284 | 322 | 38 | 13% | 253 | 316 | 63 | 25% |
| | SB Total | 636 | 840 | 204 | 32% | 417 | 613 | 196 | 47% |
| EAST BOUND | Left | 132 | 135 | 3 | 2% | 291 | 386 | 95 | 33% |
| | Through | 437 | 997 | 560 | 128% | 804 | 1,313 | 509 | 63% |
| | Right | 304 | 254 | -50 | -16% | 320 | 212 | -108 | -34% |
| | EB Total | 873 | 1,386 | 513 | 59% | 1,415 | 1,911 | 496 | 35% |
| WEST BOUND | Left | 83 | 131 | 48 | 58% | 75 | 160 | 85 | 113% |
| | Through | 552 | 900 | 348 | 63% | 521 | 1,155 | 634 | 122% |
| | Right | 33 | 64 | 31 | 94% | 37 | 158 | 121 | 327% |
| | WB Total | 668 | 1,095 | 427 | 64% | 633 | 1,473 | 840 | 133% |
| TOTAL ENTERING VOLUME | | 2,685 | 3,830 | 1145 | 43% | 3,228 | 4,763 | 1535 | 48% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 840 | 613 | | | |
| North Leg | Outbound | 311 | 881 | | | |
| **North Leg** | **TOTAL** | **1,151** | **1,494** | **6%** | **8%** | **18,500** |
| | | | | | | |
| South Leg | Inbound | 509 | 766 | | | |
| South Leg | Outbound | 696 | 500 | | | |
| **South Leg** | **TOTAL** | **1,205** | **1,266** | **7%** | **7%** | **17,100** |
| | | | | | | |
| East Leg | Inbound | 1,095 | 1,473 | | | |
| East Leg | Outbound | 1,297 | 1,671 | | | |
| **East Leg** | **TOTAL** | **2,392** | **3,144** | **7%** | **9%** | **34,300** |
| | | | | | | |
| West Leg | Inbound | 1,386 | 1,911 | | | |
| West Leg | Outbound | 1,526 | 1,711 | | | |
| **West Leg** | **TOTAL** | **2,912** | **3,622** | **6%** | **8%** | **47,700** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,660*** | ***9,526*** | ***7%*** | ***8%*** | ***117,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[24 Antelope_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Menifee Rd (NS) / Pinacate Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | **31** | **172** | **121** | | |
| | | < | v | > | | |
| **45** | ^ | | | | ^ | **82** |
| **701** | > | | | | < | **881** |
| **138** | v | | | | v | **359** |
| | | < | ^ | > | | |
| | | **166** | **144** | **459** | | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **112** | **268** | | |
| | | | v | ^ | | |
| **898** | < | IN | = | 2185 | < | **1052** |
| **652** | > | OUT | = | 2185 | > | **847** |
| | | | v | ^ | | |
| | | | **172** | **369** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | **1004** | **913** | | |
| | | | v | ^ | | |
| **2259** | < | IN | = | 6567 | < | **2105** |
| **1886** | > | OUT | = | 6568 | > | **2328** |
| | | | v | ^ | | |
| | | | **1068** | **1572** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **6,700** | | | |
| | | | N | | | |
| **23,300** | W | | **LEG** | | E | **26,300** |
| | | | S | | | |
| | | | **12,000** | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **24,700** | | | |
| | | | N | | | |
| **62,300** | W | | **LEG** | | E | **64,300** |
| | | | S | | | |
| | | | **39,000** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | **31** | **134** | **52** | | |
| | | < | v | > | | |
| **52** | ^ | | | | ^ | **75** |
| **846** | > | | | | < | **584** |
| **122** | v | | | | v | **198** |
| | | < | ^ | > | | |
| | | **92** | **152** | **191** | | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **324** | **171** | | |
| | | | v | ^ | | |
| **875** | < | IN | = | 2570 | < | **1016** |
| **1023** | > | OUT | = | 2570 | > | **1129** |
| | | | v | ^ | | |
| | | | **395** | **207** | | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **1352** | **1136** | | |
| | | | v | ^ | | |
| **2141** | < | IN | = | 7600 | < | **2432** |
| **2302** | > | OUT | = | 7600 | > | **2479** |
| | | | v | ^ | | |
| | | | **1844** | **1514** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | 6,700 | | | |
| | | | N | | | |
| 23,300 | W | | + | | E | 26,300 |
| | | | S | | | |
| | | | 12,000 | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | 24,700 | | | |
| | | | N | | | |
| 62,300 | W | | + | | E | 64,300 |
| | | | S | | | |
| | | | 39,000 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[25 Menifee_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 324 | 271 | | |
| | | v | ^ | | |
| 1078 | < IN | = | 3299 | < | 1322 |
| 884 | > OUT | = | 3299 | > | 1281 |
| | | v | ^ | | |
| | | 669 | 769 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 890 | 650 | | |
| | | v | ^ | | |
| 1360 | < | | | < | 1050 |
| 1230 | > | | | > | 1480 |
| | | v | ^ | | |
| | | 900 | 1200 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 890 | 650 | | |
| | | v | ^ | | |
| 1360 | < | | | < | 1050 |
| 1230 | > | | | > | 1480 |
| | | v | ^ | | |
| | | 900 | 1200 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1210 | 920 | | |
| | | v | ^ | | |
| 2440 | < IN | = | 7660 | < | 2370 |
| 2110 | > OUT | = | 7690 | > | 2760 |
| | | v | ^ | * | |
| | | 1570 | 1970 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 217 | 279 | | |
| | | v | ^ | | |
| 707 | < IN | = | 2529 | < | 857 |
| 1020 | > OUT | = | 2529 | > | 1089 |
| | | v | ^ | | |
| | | 454 | 435 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | MUL |
| MUL | > | | | > | MUL |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 693 | 970 | | |
| | | v | ^ | | |
| 1023 | < | | | < | 1193 |
| 1280 | > | | | > | 1301 |
| | | v | ^ | | |
| | | 1450 | 1310 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 690 | 970 | | |
| | | v | ^ | | |
| 1020 | < | | | < | 1190 |
| 1280 | > | | | > | 1300 |
| | | v | ^ | | |
| | | 1450 | 1310 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 910 | 1250 | | |
| | | v | ^ | | |
| 1730 | < IN | = | 7010 | < | 2050 |
| 2300 | > OUT | = | 7270 | > | 2390 |
| | | v | ^ | * | |
| | | 1900 | 1750 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[25 Menifee_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 166 | 565 | 399 | 240% | 92 | 382 | 290 | 315% |
| | Through | 144 | 546 | 402 | 279% | 152 | 848 | 696 | 458% |
| | Right | 459 | 866 | 407 | 89% | 191 | 585 | 394 | 206% |
| | NB Total | 769 | 1,977 | 1,208 | 157% | 435 | 1,815 | 1,380 | 317% |
| SOUTH BOUND | Left | 121 | 367 | 246 | 203% | 52 | 129 | 77 | 148% |
| | Through | 172 | 678 | 506 | 294% | 134 | 712 | 578 | 431% |
| | Right | 31 | 170 | 139 | 448% | 31 | 104 | 73 | 235% |
| | SB Total | 324 | 1,215 | 891 | 275% | 217 | 945 | 728 | 335% |
| EAST BOUND | Left | 45 | 197 | 152 | 338% | 52 | 188 | 136 | 262% |
| | Through | 701 | 1,528 | 827 | 118% | 846 | 1,676 | 830 | 98% |
| | Right | 138 | 391 | 253 | 183% | 122 | 519 | 397 | 325% |
| | EB Total | 884 | 2,116 | 1,232 | 139% | 1,020 | 2,383 | 1,363 | 134% |
| WEST BOUND | Left | 359 | 501 | 142 | 40% | 198 | 669 | 471 | 238% |
| | Through | 881 | 1,705 | 824 | 94% | 584 | 1,244 | 660 | 113% |
| | Right | 82 | 177 | 95 | 116% | 75 | 215 | 140 | 187% |
| | WB Total | 1,322 | 2,383 | 1,061 | 80% | 857 | 2,128 | 1,271 | 148% |
| TOTAL ENTERING VOLUME | | 3,299 | 7,691 | 4392 | 133% | 2,529 | 7,271 | 4742 | 188% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,215 | 945 | | | |
| North Leg | Outbound | 920 | 1,251 | | | |
| **North Leg** | **TOTAL** | **2,135** | **2,196** | **9%** | **9%** | **24,700** |
| South Leg | Inbound | 1,977 | 1,815 | | | |
| South Leg | Outbound | 1,570 | 1,900 | | | |
| **South Leg** | **TOTAL** | **3,547** | **3,715** | **9%** | **10%** | **39,000** |
| East Leg | Inbound | 2,383 | 2,128 | | | |
| East Leg | Outbound | 2,761 | 2,390 | | | |
| **East Leg** | **TOTAL** | **5,144** | **4,518** | **8%** | **7%** | **64,300** |
| West Leg | Inbound | 2,116 | 2,383 | | | |
| West Leg | Outbound | 2,440 | 1,730 | | | |
| **West Leg** | **TOTAL** | **4,556** | **4,113** | **7%** | **7%** | **62,300** |
| ***OVERALL TOTAL*** | | ***15,382*** | ***14,542*** | **8%** | ***8%*** | ***190,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[25 Menifee_Pinacate.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Menifee Rd (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **397** **120** **52** | 2012 **238** **122** **35** |
| < v > | < v > |
| **451** ^ ^ **64** | **294** ^ ^ **25** |
| **257** > < **242** | **147** > < **89** |
| **120** v v **1** | **155** v v **1** |
| < ^ > | < ^ > |
| **142** **96** **3** | **94** **97** **1** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **189** **533** | 2012 **542** **316** |
| v ^ | v ^ |
| **178** < IN = 817 < **86** | **221** < IN = 1015 < **33** |
| **235** > OUT = 817 > **20** | **292** > OUT = 1015 > **95** |
| v ^ | v ^ |
| **86** **307** | **383** **148** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1245** **2376** | 2035 **2666** **1886** |
| v ^ | v ^ |
| **787** < IN = 4851 < **1686** | **1021** < IN = 6270 < **1415** |
| **822** > OUT = 4851 > **1015** | **1175** > OUT = 6271 > **1876** |
| v ^ | v ^ |
| **673** **1098** | **1488** **1014** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **11,000** | 2012 11,000 |
| N | N |
| **13,700** W **LEG** E **4,000** | 13,700 W + E 4,000 |
| S | S |
| **6,400** | 6,400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **46,000** | 2035 46,000 |
| N | N |
| **29,700** W **LEG** E **36,000** | 29,700 W + E 36,000 |
| S | S |
| **24,400** | 24,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[26 Menifee_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 569 | 611 | | |
| | | v | ^ | | |
| 781 | < IN | = | 1945 | < | 307 |
| 828 | > OUT | = | 1945 | > | 312 |
| | | v | ^ | | |
| | | 241 | 241 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1060 | 1840 | | |
| | | v | ^ | | |
| 610 | < | | | < | 1600 |
| 590 | > | | | > | 1000 |
| | | v | ^ | | |
| | | 590 | 619 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1060 | 1840 | | |
| | | v | ^ | | |
| 610 | < | | | < | 1600 |
| 590 | > | | | > | 1000 |
| | | v | ^ | | |
| | | 590 | 620 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1630 | 2450 | | |
| | | v | ^ | | |
| 1390 | < IN | = | 5820 | < | 1910 |
| 1420 | > OUT | = | 5980 | > | 1310 |
| | | v | ^ | * | |
| | | 830 | 860 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 395 | 416 | | |
| | | v | ^ | | |
| 421 | < IN | = | 1298 | < | 115 |
| 596 | > OUT | = | 1298 | > | 183 |
| | | v | ^ | | |
| | | 278 | 192 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1545 | 1570 | | |
| | | v | ^ | | |
| 800 | < | | | < | 1380 |
| 880 | > | | | > | 1780 |
| | | v | ^ | | |
| | | 802 | 870 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1550 | 1570 | | |
| | | v | ^ | | |
| 800 | < | | | < | 1380 |
| 880 | > | | | > | 1780 |
| | | v | ^ | | |
| | | 800 | 870 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1950 | 1990 | | |
| | | v | ^ | | |
| 1220 | < IN | = | 5990 | < | 1500 |
| 1480 | > OUT | = | 6250 | > | 1960 |
| | | v | ^ | * | |
| | | 1080 | 1060 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[26 Menifee_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 142 | 177 | 35 | 25% | 94 | 206 | 112 | 119% |
| | Through | 96 | 666 | 570 | 594% | 97 | 843 | 746 | 769% |
| | Right | 3 | 40 | 37 | 1233% | 1 | 47 | 46 | 4600% |
| | NB Total | 241 | 883 | 642 | 266% | 192 | 1,096 | 904 | 471% |
| SOUTH BOUND | Left | 52 | 591 | 539 | 1037% | 35 | 954 | 919 | 2626% |
| | Through | 120 | 660 | 540 | 450% | 122 | 796 | 674 | 552% |
| | Right | 397 | 426 | 29 | 7% | 238 | 299 | 61 | 26% |
| | SB Total | 569 | 1,677 | 1,108 | 195% | 395 | 2,049 | 1,654 | 419% |
| EAST BOUND | Left | 451 | 627 | 176 | 39% | 294 | 351 | 57 | 19% |
| | Through | 257 | 679 | 422 | 164% | 147 | 959 | 812 | 552% |
| | Right | 120 | 154 | 34 | 28% | 155 | 242 | 87 | 56% |
| | EB Total | 828 | 1,460 | 632 | 76% | 596 | 1,552 | 956 | 160% |
| WEST BOUND | Left | 1 | 17 | 16 | 1600% | 1 | 42 | 41 | 4100% |
| | Through | 242 | 787 | 545 | 225% | 89 | 715 | 626 | 703% |
| | Right | 64 | 1,157 | 1,093 | 1708% | 25 | 796 | 771 | 3084% |
| | WB Total | 307 | 1,961 | 1,654 | 539% | 115 | 1,553 | 1,438 | 1250% |
| TOTAL ENTERING VOLUME | | 1,945 | 5,981 | 4036 | 208% | 1,298 | 6,250 | 4952 | 382% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,677 | 2,049 | | | |
| North Leg | Outbound | 2,450 | 1,990 | | | |
| **North Leg** | **TOTAL** | **4,127** | **4,039** | **9%** | **9%** | **46,000** |
| | | | | | | |
| South Leg | Inbound | 883 | 1,096 | | | |
| South Leg | Outbound | 831 | 1,080 | | | |
| **South Leg** | **TOTAL** | **1,714** | **2,176** | **7%** | **9%** | **24,400** |
| | | | | | | |
| East Leg | Inbound | 1,961 | 1,553 | | | |
| East Leg | Outbound | 1,310 | 1,960 | | | |
| **East Leg** | **TOTAL** | **3,271** | **3,513** | **9%** | **10%** | **36,000** |
| | | | | | | |
| West Leg | Inbound | 1,460 | 1,552 | | | |
| West Leg | Outbound | 1,390 | 1,220 | | | |
| **West Leg** | **TOTAL** | **2,850** | **2,772** | **10%** | **9%** | **29,700** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***11,962*** | ***12,500*** | **9%** | ***9%*** | ***136,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[26 Menifee_McCall.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Menifee Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **308** | **69** | **40** | |
| | | | < | v | > | |
| | **218** | ^ | | | ^ | **40** |
| | **510** | > | | | < | **816** |
| | **99** | v | | | v | **117** |
| | | | < | ^ | > | |
| | | | **136** | **60** | **122** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **125** | **158** | |
| | | | | v | ^ | |
| | **789** | < | IN = | 2292 | < | **784** |
| | **902** | > | OUT = | 2292 | > | **1201** |
| | | | | v | ^ | |
| | | | | **144** | **481** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **936** | **1121** | |
| | | | | v | ^ | |
| | **1136** | < | IN = | 4146 | < | **902** |
| | **1376** | > | OUT = | 4145 | > | **1036** |
| | | | | v | ^ | |
| | | | | **852** | **932** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **6,000** | | |
| | | | N | | |
| | **34,200** | W | **LEG** | E | **24,700** |
| | | | S | | |
| | | | **8,300** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **28,000** | | |
| | | | N | | |
| | **44,200** | W | **LEG** | E | **24,700** |
| | | | S | | |
| | | | **24,300** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **126** | **36** | **15** | |
| | | | < | v | > | |
| | **196** | ^ | | | ^ | **18** |
| | **885** | > | | | < | **669** |
| | **100** | v | | | v | **113** |
| | | | < | ^ | > | |
| | | | **95** | **54** | **131** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **221** | **146** | |
| | | | | v | ^ | |
| | **939** | < | IN = | 2695 | < | **1240** |
| | **1044** | > | OUT = | 2695 | > | **1051** |
| | | | | v | ^ | |
| | | | | **559** | **190** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **1535** | **1314** | |
| | | | | v | ^ | |
| | **1582** | < | IN = | 5547 | < | **1280** |
| | **1553** | > | OUT = | 5547 | > | **1243** |
| | | | | v | ^ | |
| | | | | **1408** | **1179** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 6,000 | | |
| | | | N | | |
| | 34,200 | W | + | E | 24,700 |
| | | | S | | |
| | | | 8,300 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 28,000 | | |
| | | | N | | |
| | 44,200 | W | + | E | 24,700 |
| | | | S | | |
| | | | 24,300 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[27 Menifee_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 417 | 318 | | |
| | | v | ^ | | |
| 1260 | < IN | = | 2535 | < | 973 |
| 827 | > OUT | = | 2535 | > | 672 |
| | | v | ^ | | |
| | | 285 | 318 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | MIN |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 810 | 960 | | |
| | | v | ^ | | |
| 350 | < | | | < | 120 |
| 433 | > | | | > | 0 |
| | | v | ^ | | |
| | | 710 | 302 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 810 | 960 | | |
| | | v | ^ | | |
| 350 | < | | | < | 120 |
| 430 | > | | | > | 0 |
| | | v | ^ | | |
| | | 710 | 300 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1230 | 1280 | | |
| | | v | ^ | | |
| 1610 | < IN | = | 4200 | < | 1090 |
| 1260 | > OUT | = | 4560 | > | 670 |
| | | v | ^ | * | |
| | | 1000 | 620 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 177 | 268 | | |
| | | v | ^ | | |
| 890 | < IN | = | 2438 | < | 800 |
| 1181 | > OUT | = | 2438 | > | 1031 |
| | | v | ^ | | |
| | | 249 | 280 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | MUL |
| ADD | > | | | > | MUL |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1053 | 1170 | | |
| | | v | ^ | | |
| 610 | < | | | < | 30 |
| 510 | > | | | > | 189 |
| | | v | ^ | | |
| | | 381 | 990 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1050 | 1170 | | |
| | | v | ^ | | |
| 610 | < | | | < | 30 |
| 510 | > | | | > | 190 |
| | | v | ^ | | |
| | | 380 | 990 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1230 | 1509 | | |
| | | v | ^ | | |
| 1572 | < IN | = | 5020 | < | 830 |
| 1690 | > OUT | = | 5020 | > | 1279 |
| | | v | ^ | * | |
| | | 660 | 1270 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[27 Menifee_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 136 | 163 | 27 | 20% | 95 | 234 | 139 | 146% |
| | Through | 60 | 350 | 290 | 483% | 54 | 666 | 612 | 1133% |
| | Right | 122 | 161 | 39 | 32% | 131 | 374 | 243 | 185% |
| | NB Total | 318 | 674 | 356 | 112% | 280 | 1,274 | 994 | 355% |
| SOUTH BOUND | Left | 40 | 106 | 66 | 165% | 15 | 104 | 89 | 593% |
| | Through | 69 | 489 | 420 | 609% | 36 | 363 | 327 | 908% |
| | Right | 308 | 737 | 429 | 139% | 126 | 756 | 630 | 500% |
| | SB Total | 417 | 1,332 | 915 | 219% | 177 | 1,223 | 1,046 | 591% |
| EAST BOUND | Left | 218 | 760 | 542 | 249% | 196 | 765 | 569 | 290% |
| | Through | 510 | 403 | -107 | -21% | 885 | 800 | -85 | -10% |
| | Right | 99 | 209 | 110 | 111% | 100 | 132 | 32 | 32% |
| | EB Total | 827 | 1,372 | 545 | 66% | 1,181 | 1,697 | 516 | 44% |
| WEST BOUND | Left | 117 | 301 | 184 | 157% | 113 | 165 | 52 | 46% |
| | Through | 816 | 710 | -106 | -13% | 669 | 582 | -87 | -13% |
| | Right | 40 | 170 | 130 | 325% | 18 | 78 | 60 | 333% |
| | WB Total | 973 | 1,181 | 208 | 21% | 800 | 825 | 25 | 3% |
| TOTAL ENTERING VOLUME | | 2,535 | 4,559 | 2024 | 80% | 2,438 | 5,019 | 2581 | 106% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,332 | 1,223 | | | |
| North Leg | Outbound | 1,280 | 1,509 | | | |
| **North Leg** | **TOTAL** | **2,612** | **2,732** | **9%** | **10%** | **28,000** |
| South Leg | Inbound | 674 | 1,274 | | | |
| South Leg | Outbound | 999 | 660 | | | |
| **South Leg** | **TOTAL** | **1,673** | **1,934** | **7%** | **8%** | **24,300** |
| East Leg | Inbound | 1,181 | 825 | | | |
| East Leg | Outbound | 670 | 1,278 | | | |
| **East Leg** | **TOTAL** | **1,851** | **2,103** | **7%** | **9%** | **24,700** |
| West Leg | Inbound | 1,372 | 1,697 | | | |
| West Leg | Outbound | 1,610 | 1,572 | | | |
| **West Leg** | **TOTAL** | **2,982** | **3,269** | **7%** | **7%** | **44,200** |
| ***OVERALL TOTAL*** | | ***9,118*** | ***10,038*** | **8%** | ***8%*** | ***121,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[27 Menifee_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Menifee Rd (NS) / Holland Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **88** | **149** | **38** | | |
| | | < | v | > | | |
| **88** | ^ | | | | ^ | **70** |
| **87** | > | | | | < | **131** |
| **14** | v | | | | v | **101** |
| | | < | ^ | > | | |
| | | **30** | **191** | **108** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **123** | **524** | | |
| | | | v | ^ | | |
| **76** | < | IN = | | 745 | < | **29** |
| **249** | > | OUT = | | 744 | > | **20** |
| | | | v | ^ | | |
| | | | **124** | **344** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **780** | **832** | | |
| | | | v | ^ | | |
| **741** | < | IN = | | 2617 | < | **552** |
| **557** | > | OUT = | | 2618 | > | **318** |
| | | | v | ^ | | |
| | | | **727** | **728** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **7,000** | | | |
| | | | N | | | |
| **4,400** | W | | **LEG** | | E | **3,100** |
| | | | S | | | |
| | | | **6,500** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **21,000** | | | |
| | | | N | | | |
| **19,400** | W | | **LEG** | | E | **13,100** |
| | | | S | | | |
| | | | **17,500** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **43** | **122** | **21** | | |
| | | < | v | > | | |
| **42** | ^ | | | | ^ | **37** |
| **88** | > | | | | < | **59** |
| **52** | v | | | | v | **11** |
| | | < | ^ | > | | |
| | | **16** | **251** | **14** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **680** | **185** | | |
| | | | v | ^ | | |
| **217** | < | IN = | | 1037 | < | **29** |
| **153** | > | OUT = | | 1038 | > | **43** |
| | | | v | ^ | | |
| | | | **593** | **175** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **1305** | **1106** | | |
| | | | v | ^ | | |
| **878** | < | IN = | | 3658 | < | **390** |
| **933** | > | OUT = | | 3659 | > | **710** |
| | | | v | ^ | | |
| | | | **965** | **1030** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 7,000 | | | |
| | | | N | | | |
| 4,400 | W | | + | | E | 3,100 |
| | | | S | | | |
| | | | 6,500 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 21,000 | | | |
| | | | N | | | |
| 19,400 | W | | + | | E | 13,100 |
| | | | S | | | |
| | | | 17,500 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[28 Menifee_Holland.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Holland Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 275 | 349 | | |
| | | v | ^ | | |
| 249 | < IN | = | 1095 | < | 302 |
| 189 | > OUT | = | 1095 | > | 233 |
| | | v | ^ | | |
| | | 264 | 329 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 660 | 201 | | |
| | | v | ^ | | |
| 670 | < | | | < | 520 |
| 231 | > | | | > | 300 |
| | | v | ^ | | |
| | | 600 | 371 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 660 | 200 | | |
| | | v | ^ | | |
| 670 | < | | | < | 520 |
| 230 | > | | | > | 300 |
| | | v | ^ | | |
| | | 600 | 370 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 940 | 554 | | |
| | | v | ^ | | |
| 926 | < IN | = | 2880 | < | 820 |
| 420 | > OUT | = | 2880 | > | 534 |
| | | v | ^ | * | |
| | | 866 | 700 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 186 | 330 | | |
| | | v | ^ | | |
| 118 | < IN | = | 756 | < | 107 |
| 182 | > OUT | = | 756 | > | 123 |
| | | v | ^ | | |
| | | 185 | 281 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 174 | 920 | | |
| | | v | ^ | | |
| 362 | < | | | < | 360 |
| 780 | > | | | > | 670 |
| | | v | ^ | | |
| | | 115 | 860 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 170 | 920 | | |
| | | v | ^ | | |
| 360 | < | | | < | 360 |
| 780 | > | | | > | 670 |
| | | v | ^ | | |
| | | 120 | 860 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 360 | 1294 | | |
| | | v | ^ | | |
| 497 | < IN | = | 2930 | < | 470 |
| 960 | > OUT | = | 2930 | > | 818 |
| | | v | ^ | * | |
| | | 321 | 1140 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[28 Menifee_Holland.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Holland Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 30 | 135 | 105 | 350% | 16 | 79 | 63 | 394% |
| | Through | 191 | 315 | 124 | 65% | 251 | 968 | 717 | 286% |
| | Right | 108 | 247 | 139 | 129% | 14 | 93 | 79 | 564% |
| | NB Total | 329 | 697 | 368 | 112% | 281 | 1,140 | 859 | 306% |
| SOUTH BOUND | Left | 38 | 77 | 39 | 103% | 21 | 79 | 58 | 276% |
| | Through | 149 | 515 | 366 | 246% | 122 | 161 | 39 | 32% |
| | Right | 88 | 351 | 263 | 299% | 43 | 120 | 77 | 179% |
| | SB Total | 275 | 943 | 668 | 243% | 186 | 360 | 174 | 94% |
| EAST BOUND | Left | 88 | 152 | 64 | 73% | 42 | 180 | 138 | 329% |
| | Through | 87 | 209 | 122 | 140% | 88 | 646 | 558 | 634% |
| | Right | 14 | 57 | 43 | 307% | 52 | 134 | 82 | 158% |
| | EB Total | 189 | 418 | 229 | 121% | 182 | 960 | 778 | 427% |
| WEST BOUND | Left | 101 | 294 | 193 | 191% | 11 | 26 | 15 | 136% |
| | Through | 131 | 441 | 310 | 237% | 59 | 298 | 239 | 405% |
| | Right | 70 | 87 | 17 | 24% | 37 | 146 | 109 | 295% |
| | WB Total | 302 | 822 | 520 | 172% | 107 | 470 | 363 | 339% |
| TOTAL ENTERING VOLUME | | 1,095 | 2,880 | 1785 | 163% | 756 | 2,930 | 2174 | 288% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 943 | 360 | | | |
| North Leg | Outbound | 554 | 1,294 | | | |
| **North Leg** | **TOTAL** | **1,497** | **1,654** | **7%** | **8%** | **21,000** |
| South Leg | Inbound | 697 | 1,140 | | | |
| South Leg | Outbound | 866 | 321 | | | |
| **South Leg** | **TOTAL** | **1,563** | **1,461** | **9%** | **8%** | **17,500** |
| East Leg | Inbound | 822 | 470 | | | |
| East Leg | Outbound | 533 | 818 | | | |
| **East Leg** | **TOTAL** | **1,355** | **1,288** | **10%** | **10%** | **13,100** |
| West Leg | Inbound | 418 | 960 | | | |
| West Leg | Outbound | 927 | 497 | | | |
| **West Leg** | **TOTAL** | **1,345** | **1,457** | **7%** | **8%** | **19,400** |
| ***OVERALL TOTAL*** | | ***5,760*** | ***5,860*** | **8%** | ***8%*** | ***71,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[28 Menifee_Holland.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Menifee Rd (NS) / Garbani Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **23** | **206** | **8** | |
| | | | < | v | > | |
| | **9** | ^ | | | ^ | **8** |
| | **10** | > | | | < | **21** |
| | **22** | v | | | v | **32** |
| | | | < | ^ | > | |
| | | | **10** | **169** | **19** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **143** | **286** | |
| | | | | v | ^ | |
| | **2** | < | IN = | | 449 < | **117** |
| | **3** | > | OUT = | | 449 > | **86** |
| | | | | v | ^ | |
| | | | | **75** | **186** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **662** | **685** | |
| | | | | v | ^ | |
| | **752** | < | IN = | | 2576 < | **620** |
| | **364** | > | OUT = | | 2576 > | **607** |
| | | | | v | ^ | |
| | | | | **532** | **930** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **6,300** | | |
| | | | N | | |
| | **1,100** | W | **LEG** | E | **1,100** |
| | | | S | | |
| | | | **6,900** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **17,300** | | |
| | | | N | | |
| | **15,100** | W | **LEG** | E | **12,100** |
| | | | S | | |
| | | | **18,900** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **15** | **133** | **9** | |
| | | | < | v | > | |
| | **7** | ^ | | | ^ | **9** |
| | **8** | > | | | < | **11** |
| | **14** | v | | | v | **16** |
| | | | < | ^ | > | |
| | | | **26** | **294** | **26** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **541** | **162** | |
| | | | | v | ^ | |
| | **4** | < | IN = | | 735 < | **78** |
| | **4** | > | OUT = | | 734 > | **291** |
| | | | | v | ^ | |
| | | | | **277** | **112** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **925** | **951** | |
| | | | | v | ^ | |
| | **577** | < | IN = | | 3261 < | **683** |
| | **813** | > | OUT = | | 3262 > | **706** |
| | | | | v | ^ | |
| | | | | **1028** | **840** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 6,300 | | |
| | | | N | | |
| | 1,100 | W | + | E | 1,100 |
| | | | S | | |
| | | | 6,900 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 17,300 | | |
| | | | N | | |
| | 15,100 | W | + | E | 12,100 |
| | | | S | | |
| | | | 18,900 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[29 Menifee_Garbani.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 237 | 186 | |
| | | v | ^ | |
| 54 < | IN = | 537 | < | 61 |
| 41 > | OUT = | 537 | > | 37 |
| | | v | ^ | |
| | | 260 | 198 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 520 | 264 | |
| | | v | ^ | |
| 750 < | | | < | 259 |
| 360 > | | | > | 223 |
| | | v | ^ | |
| | | 460 | 740 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 520 | 260 | |
| | | v | ^ | |
| 750 < | | | < | 260 |
| 360 > | | | > | 220 |
| | | v | ^ | |
| | | 460 | 740 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 760 | 488 | |
| | | v | ^ | |
| 868 < | IN = | 2420 | < | 320 |
| 400 > | OUT = | 2420 | > | 282 |
| | | v | ^ | * |
| | | 781 | 940 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 157 | 310 | |
| | | v | ^ | |
| 52 < | IN = | 568 | < | 36 |
| 29 > | OUT = | 568 | > | 43 |
| | | v | ^ | |
| | | 163 | 346 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 113 | 790 | |
| | | v | ^ | |
| 570 < | | | < | 284 |
| 810 > | | | > | 57 |
| | | v | ^ | |
| | | 437 | 730 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 110 | 790 | |
| | | v | ^ | |
| 570 < | | | < | 280 |
| 810 > | | | > | 60 |
| | | v | ^ | |
| | | 440 | 730 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 270 | 1141 | |
| | | v | ^ | |
| 643 < | IN = | 2510 | < | 320 |
| 840 > | OUT = | 2510 | > | 104 |
| | | v | ^ | * |
| | | 622 | 1080 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[29 Menifee_Garbani.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 10 | 353 | 343 | 3430% | 26 | 298 | 272 | 1046% |
| | Through | 169 | 443 | 274 | 162% | 294 | 767 | 473 | 161% |
| | Right | 19 | 142 | 123 | 647% | 26 | 15 | -11 | -42% |
| | NB Total | 198 | 938 | 740 | 374% | 346 | 1,080 | 734 | 212% |
| SOUTH BOUND | Left | 8 | 20 | 12 | 150% | 9 | 4 | -5 | -56% |
| | Through | 206 | 469 | 263 | 128% | 133 | 150 | 17 | 13% |
| | Right | 23 | 273 | 250 | 1087% | 15 | 116 | 101 | 673% |
| | SB Total | 237 | 762 | 525 | 222% | 157 | 270 | 113 | 72% |
| EAST BOUND | Left | 9 | 38 | 29 | 322% | 7 | 331 | 324 | 4629% |
| | Through | 10 | 121 | 111 | 1110% | 8 | 85 | 77 | 963% |
| | Right | 22 | 242 | 220 | 1000% | 14 | 424 | 410 | 2929% |
| | EB Total | 41 | 401 | 360 | 878% | 29 | 840 | 811 | 2797% |
| WEST BOUND | Left | 32 | 71 | 39 | 122% | 16 | 49 | 33 | 206% |
| | Through | 21 | 242 | 221 | 1052% | 11 | 229 | 218 | 1982% |
| | Right | 8 | 7 | -1 | -13% | 9 | 43 | 34 | 378% |
| | WB Total | 61 | 320 | 259 | 425% | 36 | 321 | 285 | 792% |
| TOTAL ENTERING VOLUME | | 537 | 2,421 | 1884 | 351% | 568 | 2,511 | 1943 | 342% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 762 | 270 | | | |
| North Leg | Outbound | 488 | 1,141 | | | |
| **North Leg** | **TOTAL** | **1,250** | **1,411** | **7%** | **8%** | **17,300** |
| South Leg | Inbound | 938 | 1,080 | | | |
| South Leg | Outbound | 782 | 623 | | | |
| **South Leg** | **TOTAL** | **1,720** | **1,703** | **9%** | **9%** | **18,900** |
| East Leg | Inbound | 320 | 321 | | | |
| East Leg | Outbound | 283 | 104 | | | |
| **East Leg** | **TOTAL** | **603** | **425** | **5%** | **4%** | **12,100** |
| West Leg | Inbound | 401 | 840 | | | |
| West Leg | Outbound | 868 | 643 | | | |
| **West Leg** | **TOTAL** | **1,269** | **1,483** | **8%** | **10%** | **15,100** |
| ***OVERALL TOTAL*** | | ***4,842*** | ***5,022*** | **8%** | ***8%*** | ***63,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[29 Menifee_Garbani.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Menifee Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **98** | **102** | **77** | |
| | | | < | v | > | |
| | **42** | ^ | | | ^ | **75** |
| | **353** | > | | | < | **476** |
| | **41** | v | | | v | **73** |
| | | | < | ^ | > | |
| | | | **125** | **60** | **81** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **90** | **150** | |
| | | | | v | ^ | |
| | **488** | < | IN = | 1120 | < | **461** |
| | **308** | > | OUT = | 1120 | > | **419** |
| | | | | v | ^ | |
| | | | | **63** | **261** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **580** | **902** | |
| | | | | v | ^ | |
| | **1026** | < | IN = | 3894 | < | **1264** |
| | **785** | > | OUT = | 3893 | > | **1360** |
| | | | | v | ^ | |
| | | | | **605** | **1265** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **6,400** | | |
| | | | N | | |
| | **21,300** | W | **LEG** | E | **17,200** |
| | | | S | | |
| | | | **6,600** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **20,400** | | |
| | | | N | | |
| | **33,300** | W | **LEG** | E | **35,200** |
| | | | S | | |
| | | | **22,600** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **68** | **52** | **46** | |
| | | | < | v | > | |
| | **179** | ^ | | | ^ | **87** |
| | **593** | > | | | < | **454** |
| | **175** | v | | | v | **46** |
| | | | < | ^ | > | |
| | | | **109** | **60** | **48** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **233** | **124** | |
| | | | | v | ^ | |
| | **364** | < | IN = | 1263 | < | **410** |
| | **514** | > | OUT = | 1263 | > | **503** |
| | | | | v | ^ | |
| | | | | **272** | **106** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **1004** | **885** | |
| | | | | v | ^ | |
| | **839** | < | IN = | 4748 | < | **1435** |
| | **1271** | > | OUT = | 4749 | > | **1573** |
| | | | | v | ^ | |
| | | | | **1452** | **1038** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 6,400 | | |
| | | | N | | |
| | 21,300 | W | + | E | 17,200 |
| | | | S | | |
| | | | 6,600 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 20,400 | | |
| | | | N | | |
| | 33,300 | W | + | E | 35,200 |
| | | | S | | |
| | | | 22,600 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[30 Menifee_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Menifee Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 277 | 177 | |
| | | v | ^ | |
| 699 < | IN = | 1603 | < | 624 |
| 436 > | OUT = | 1603 | > | 511 |
| | | v | ^ | |
| | | 216 | 266 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 490 | 750 | |
| | | v | ^ | |
| 540 < | | | < | 800 |
| 480 > | | | > | 940 |
| | | v | ^ | |
| | | 540 | 1000 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 490 | 750 | |
| | | v | ^ | |
| 540 < | | | < | 800 |
| 480 > | | | > | 940 |
| | | v | ^ | |
| | | 540 | 1000 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 770 | 930 | |
| | | v | ^ | |
| 1240 < | IN = | 4380 | < | 1420 |
| 920 > | OUT = | 4380 | > | 1450 |
| | | v | ^ | * |
| | | 760 | 1270 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 166 | 326 | |
| | | v | ^ | |
| 631 < | IN = | 1917 | < | 587 |
| 947 > | OUT = | 1917 | > | 687 |
| | | v | ^ | |
| | | 273 | 217 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 544 | 760 | |
| | | v | ^ | |
| 480 < | | | < | 1030 |
| 760 > | | | > | 1070 |
| | | v | ^ | |
| | | 1180 | 930 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 540 | 760 | |
| | | v | ^ | |
| 480 < | | | < | 1030 |
| 760 > | | | > | 1070 |
| | | v | ^ | |
| | | 1180 | 930 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 710 | 1090 | |
| | | v | ^ | |
| 1110 < | IN = | 5190 | < | 1620 |
| 1710 > | OUT = | 5410 | > | 1760 |
| | | v | ^ | * |
| | | 1450 | 1150 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[30 Menifee_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Menifee Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 125 | 328 | 203 | 162% | 109 | 273 | 164 | 150% |
| | Through | 60 | 463 | 403 | 672% | 60 | 439 | 379 | 632% |
| | Right | 81 | 479 | 398 | 491% | 48 | 486 | 438 | 913% |
| | NB Total | 266 | 1,270 | 1,004 | 377% | 217 | 1,198 | 981 | 452% |
| SOUTH BOUND | Left | 77 | 254 | 177 | 230% | 46 | 229 | 183 | 398% |
| | Through | 102 | 373 | 271 | 266% | 52 | 428 | 376 | 723% |
| | Right | 98 | 143 | 45 | 46% | 68 | 84 | 16 | 24% |
| | SB Total | 277 | 770 | 493 | 178% | 166 | 741 | 575 | 346% |
| EAST BOUND | Left | 42 | 111 | 69 | 164% | 179 | 228 | 49 | 27% |
| | Through | 353 | 717 | 364 | 103% | 593 | 1,045 | 452 | 76% |
| | Right | 41 | 92 | 51 | 124% | 175 | 510 | 335 | 191% |
| | EB Total | 436 | 920 | 484 | 111% | 947 | 1,783 | 836 | 88% |
| WEST BOUND | Left | 73 | 295 | 222 | 304% | 46 | 512 | 466 | 1013% |
| | Through | 476 | 769 | 293 | 62% | 454 | 754 | 300 | 66% |
| | Right | 75 | 356 | 281 | 375% | 87 | 423 | 336 | 386% |
| | WB Total | 624 | 1,420 | 796 | 128% | 587 | 1,689 | 1,102 | 188% |
| TOTAL ENTERING VOLUME | | 1,603 | 4,380 | 2777 | 173% | 1,917 | 5,411 | 3494 | 182% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 770 | 741 | | | |
| North Leg | Outbound | 930 | 1,090 | | | |
| **North Leg** | **TOTAL** | **1,700** | **1,831** | **8%** | **9%** | **20,400** |
| | | | | | | |
| South Leg | Inbound | 1,270 | 1,198 | | | |
| South Leg | Outbound | 760 | 1,450 | | | |
| **South Leg** | **TOTAL** | **2,030** | **2,648** | **9%** | **12%** | **22,600** |
| | | | | | | |
| East Leg | Inbound | 1,420 | 1,689 | | | |
| East Leg | Outbound | 1,450 | 1,760 | | | |
| **East Leg** | **TOTAL** | **2,870** | **3,449** | **8%** | **10%** | **35,200** |
| | | | | | | |
| West Leg | Inbound | 920 | 1,783 | | | |
| West Leg | Outbound | 1,240 | 1,111 | | | |
| **West Leg** | **TOTAL** | **2,160** | **2,894** | **6%** | **9%** | **33,300** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***8,760*** | ***10,822*** | **8%** | ***10%*** | ***111,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[30 Menifee_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Proposed Menifee General Plan | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 23, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Proposed Menifee GP | <=== | |

LOCATION: **Lindenberger Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **214** | **0** | **33** | | |
| | | < | v | > | | |
| **147** | ^ | | | | ^ | **12** |
| **578** | > | | | | < | **721** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **26** | **16** | | |
| | | | v | ^ | | |
| **624** | < | IN | = | 1767 | < | **619** |
| **1122** | > | OUT | = | 1767 | > | **1127** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **12** | **49** | | |
| | | | v | ^ | | |
| **902** | < | IN | = | 1969 | < | **919** |
| **1038** | > | OUT | = | 1969 | > | **1018** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | **6,500** | | |
| | | N | | |
| **24,900** | W | **LEG** | E | **19,800** |
| | | S | | |
| | | **0** | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | **6,500** | | |
| | | N | | |
| **28,900** | W | **LEG** | E | **23,800** |
| | | S | | |
| | | **0** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **154** | **0** | **22** | | |
| | | < | v | > | | |
| **272** | ^ | | | | ^ | **31** |
| **799** | > | | | | < | **616** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **26** | **29** | | |
| | | | v | ^ | | |
| **1133** | < | IN | = | 2014 | < | **1131** |
| **857** | > | OUT | = | 2014 | > | **852** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **80** | **96** | | |
| | | | v | ^ | | |
| **1284** | < | IN | = | 2593 | < | **1269** |
| **1244** | > | OUT | = | 2593 | > | **1213** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | |
|---|---|---|---|---|
| | | 6,500 | | |
| | | N | | |
| 24,900 | W | + | E | 19,800 |
| | | S | | |
| | | 0 | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | |
|---|---|---|---|---|
| | | 6,500 | | |
| | | N | | |
| 28,900 | W | + | E | 23,800 |
| | | S | | |
| | | 0 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[31 Lindenberger_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 247 | 159 | |
| | | v | ^ | |
| 935 | < IN | = | 1705 | < 733 |
| 725 | > OUT | = | 1705 | > 611 |
| | | v | ^ | |
| | | 0 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| MIN | > | | | > MIN |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 30 | |
| | | v | ^ | |
| 280 | < | | | < 300 |
| 0 | > | | | > 0 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 30 | |
| | | v | ^ | |
| 280 | < | | | < 300 |
| 0 | > | | | > 0 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 250 | 190 | |
| | | v | ^ | |
| 1220 | < IN | = | 2010 | < 1030 |
| 730 | > OUT | = | 2020 | > 610 |
| | | v | ^ | * |
| | | 0 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 176 | 303 | |
| | | v | ^ | |
| 770 | < IN | = | 1894 | < 647 |
| 1071 | > OUT | = | 1894 | > 821 |
| | | v | ^ | |
| | | 0 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| MUL | < | | | < MUL |
| ADD | > | | | > MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 50 | 70 | |
| | | v | ^ | |
| 100 | < | | | < 83 |
| 390 | > | | | > 349 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 50 | 70 | |
| | | v | ^ | |
| 100 | < | | | < 80 |
| 390 | > | | | > 350 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 230 | 372 | |
| | | v | ^ | |
| 874 | < IN | = | 2420 | < 730 |
| 1460 | > OUT | = | 2420 | > 1175 |
| | | v | ^ | * |
| | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[31 Lindenberger_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 33 | 37 | 4 | 12% | 22 | 36 | 14 | 64% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 214 | 213 | -1 | 0% | 154 | 192 | 38 | 25% |
| | SB Total | 247 | 250 | 3 | 1% | 176 | 228 | 52 | 30% |
| EAST BOUND | Left | 147 | 168 | 21 | 14% | 272 | 333 | 61 | 22% |
| | Through | 578 | 573 | -5 | -1% | 799 | 1,139 | 340 | 43% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 725 | 741 | 16 | 2% | 1,071 | 1,472 | 401 | 37% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 721 | 1,007 | 286 | 40% | 616 | 682 | 66 | 11% |
| | Right | 12 | 22 | 10 | 83% | 31 | 38 | 7 | 23% |
| | WB Total | 733 | 1,029 | 296 | 40% | 647 | 720 | 73 | 11% |
| TOTAL ENTERING VOLUME | | 1,705 | 2,020 | 315 | 18% | 1,894 | 2,420 | 526 | 28% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 250 | 228 | | | |
| North Leg | Outbound | 190 | 371 | | | |
| **North Leg** | **TOTAL** | **440** | **599** | **7%** | **9%** | **6,500** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| East Leg | Inbound | 1,029 | 720 | | | |
| East Leg | Outbound | 610 | 1,175 | | | |
| **East Leg** | **TOTAL** | **1,639** | **1,895** | **7%** | **8%** | **23,800** |
| | | | | | | |
| West Leg | Inbound | 741 | 1,472 | | | |
| West Leg | Outbound | 1,220 | 874 | | | |
| **West Leg** | **TOTAL** | **1,961** | **2,346** | **7%** | **8%** | **28,900** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***4,040*** | ***4,840*** | ***7%*** | ***8%*** | ***59,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[31 Lindenberger_Newport.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Briggs Rd (NS) / Pinacate Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **80** | **128** | **161** | |
| | | < | v | > | | |
| | **126** ^ | | | | ^ | **97** |
| | **557** > | | | | < | **837** |
| | **494** v | | | | v | **152** |
| | | < | ^ | > | | |
| | | | **351** | **130** | **101** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **26** | **14** | |
| | | | | v | ^ | |
| | **1046** | < | IN | = | 2041 < | **1069** |
| | **813** | > | OUT | = | 2041 > | **918** |
| | | | | v | ^ | |
| | | | | **63** | **133** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **133** | **87** | |
| | | | | v | ^ | |
| | **2224** | < | IN | = | 4631 < | **2239** |
| | **1954** | > | OUT | = | 4632 > | **1995** |
| | | | | v | ^ | |
| | | | | **326** | **305** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **3,900** | | |
| | | | | N | | |
| | **31,500** | W | | **LEG** | E | **28,700** |
| | | | | S | | |
| | | | | **5,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **6,900** | | |
| | | | | N | | |
| | **64,500** | W | | **LEG** | E | **61,700** |
| | | | | S | | |
| | | | | **11,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **59** | **28** | **72** | |
| | | < | v | > | | |
| | **60** ^ | | | | ^ | **32** |
| | **1149** > | | | | < | **790** |
| | **155** v | | | | v | **40** |
| | | < | ^ | > | | |
| | | | **117** | **40** | **41** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **21** | **31** | |
| | | | | v | ^ | |
| | **983** | < | IN | = | 2408 < | **1149** |
| | **1123** | > | OUT | = | 2407 > | **1194** |
| | | | | v | ^ | |
| | | | | **199** | **115** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **319** | **452** | |
| | | | | v | ^ | |
| | **2069** | < | IN | = | 5494 < | **2254** |
| | **2520** | > | OUT | = | 5493 > | **2547** |
| | | | | v | ^ | |
| | | | | **425** | **401** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | 3,900 | | |
| | | | | N | | |
| | 31,500 | W | | + | E | 28,700 |
| | | | | S | | |
| | | | | 5,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | 6,900 | | |
| | | | | N | | |
| | 64,500 | W | | + | E | 61,700 |
| | | | | S | | |
| | | | | 11,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[32 Briggs_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 369 | 353 | |
| | | v | ^ | |
| 1268 | < IN = | 3214 | < | 1086 |
| 1177 | > OUT = | 3214 | > | 819 |
| | | v | ^ | |
| | | 774 | 582 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 110 | 70 | |
| | | v | ^ | |
| 1180 | < | | < | 1170 |
| 1140 | > | | > | 961 |
| | | v | ^ | |
| | | 260 | 170 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 110 | 70 | |
| | | v | ^ | |
| 1180 | < | | < | 1170 |
| 1140 | > | | > | 960 |
| | | v | ^ | |
| | | 260 | 170 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 480 | 430 | |
| | | v | ^ | |
| 2506 | < IN = | 5810 | < | 2260 |
| 2320 | > OUT = | 5810 | > | 1821 |
| | | v | ^ | * |
| | | 1054 | 750 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 159 | 132 | |
| | | v | ^ | |
| 966 | < IN = | 2583 | < | 862 |
| 1364 | > OUT = | 2583 | > | 1262 |
| | | v | ^ | |
| | | 223 | 198 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| MUL | < | | < | MUL |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 300 | 420 | |
| | | v | ^ | |
| 1064 | < | | < | 828 |
| 1400 | > | | > | 1350 |
| | | v | ^ | |
| | | 230 | 290 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 300 | 420 | |
| | | v | ^ | |
| 1060 | < | | < | 830 |
| 1400 | > | | > | 1350 |
| | | v | ^ | |
| | | 230 | 290 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 460 | 550 | |
| | | v | ^ | |
| 2030 | < IN = | 5400 | < | 1690 |
| 2760 | > OUT = | 5640 | > | 2610 |
| | | v | ^ | * |
| | | 450 | 490 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[32 Briggs_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 351 | 485 | 134 | 38% | 117 | 260 | 143 | 122% |
| | Through | 130 | 112 | -18 | -14% | 40 | 170 | 130 | 325% |
| | Right | 101 | 153 | 52 | 51% | 41 | 82 | 41 | 100% |
| | NB Total | 582 | 750 | 168 | 29% | 198 | 512 | 314 | 159% |
| SOUTH BOUND | Left | 161 | 251 | 90 | 56% | 72 | 210 | 138 | 192% |
| | Through | 128 | 115 | -13 | -10% | 28 | 79 | 51 | 182% |
| | Right | 80 | 114 | 34 | 43% | 59 | 191 | 132 | 224% |
| | SB Total | 369 | 480 | 111 | 30% | 159 | 480 | 321 | 202% |
| EAST BOUND | Left | 126 | 181 | 55 | 44% | 60 | 257 | 197 | 328% |
| | Through | 557 | 1,416 | 859 | 154% | 1,149 | 2,318 | 1,169 | 102% |
| | Right | 494 | 721 | 227 | 46% | 155 | 302 | 147 | 95% |
| | EB Total | 1,177 | 2,318 | 1,141 | 97% | 1,364 | 2,877 | 1,513 | 111% |
| WEST BOUND | Left | 152 | 218 | 66 | 43% | 40 | 69 | 29 | 73% |
| | Through | 837 | 1,907 | 1,070 | 128% | 790 | 1,579 | 789 | 100% |
| | Right | 97 | 137 | 40 | 41% | 32 | 122 | 90 | 281% |
| | WB Total | 1,086 | 2,262 | 1,176 | 108% | 862 | 1,770 | 908 | 105% |
| TOTAL ENTERING VOLUME | | 3,214 | 5,810 | 2596 | 81% | 2,583 | 5,639 | 3056 | 118% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 480 | 480 | | | |
| North Leg | Outbound | 430 | 549 | | | |
| **North Leg** | **TOTAL** | **910** | **1,029** | **13%** | **15%** | **6,900** |
| | | | | | | |
| South Leg | Inbound | 750 | 512 | | | |
| South Leg | Outbound | 1,054 | 450 | | | |
| **South Leg** | **TOTAL** | **1,804** | **962** | **15%** | **8%** | **11,700** |
| | | | | | | |
| East Leg | Inbound | 2,262 | 1,770 | | | |
| East Leg | Outbound | 1,820 | 2,610 | | | |
| **East Leg** | **TOTAL** | **4,082** | **4,380** | **7%** | **7%** | **61,700** |
| | | | | | | |
| West Leg | Inbound | 2,318 | 2,877 | | | |
| West Leg | Outbound | 2,506 | 2,030 | | | |
| **West Leg** | **TOTAL** | **4,824** | **4,907** | **7%** | **8%** | **64,500** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***11,620*** | ***11,278*** | **8%** | ***8%*** | ***144,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[32 Briggs_Pinacate.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Proposed Menifee General Plan | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 23, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Proposed Menifee GP | <=== | | |

LOCATION: **Briggs Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **27 5 4** | 2012 **17 1 5** |
| < v > | < v > |
| **12** ^ ^ **1** | **27** ^ ^ **2** |
| **440** > < **440** | **511** > < **471** |
| **40** v v **2** | **31** v v **2** |
| < ^ > | < ^ > |
| **29 1 2** | **26 2 1** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **125 222** | 2012 **336 110** |
| v ^ | v ^ |
| **428** < IN = 1094 < **309** | **360** < IN = 1253 < **260** |
| **390** > OUT = 1093 > **258** | **479** > OUT = 1254 > **367** |
| v ^ | v ^ |
| **185 270** | **417 178** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **237 261** | 2035 **400 298** |
| v ^ | v ^ |
| **1261** < IN = 3134 < **888** | **1440** < IN = 3806 < **1251** |
| **1370** > OUT = 3135 > **1146** | **1567** > OUT = 3805 > **1182** |
| v ^ | v ^ |
| **467 639** | **885 588** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **700** | 2012 700 |
| N | N |
| **14,600** W **LEG** E **13,400** | 14,600 W + E 13,400 |
| S | S |
| **900** | 900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **2,700** | 2035 2,700 |
| N | N |
| **34,600** W **LEG** E **29,400** | 34,600 W + E 29,400 |
| S | S |
| **7,900** | 7,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[33 Briggs_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Proposed Menifee General Plan

Job #: 06944
Analyst: MD
Date: July 23, 2012

LOCATION: Briggs Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 36 | 14 | |
| | | v | ^ | |
| 496 < | IN = | 1003 | < | 443 |
| 492 > | OUT = | 1003 | > | 446 |
| | | v | ^ | |
| | | 47 | 32 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 34 | 6 | |
| | | v | ^ | |
| 830 | < | | < | 580 |
| 980 | > | | > | 890 |
| | | v | ^ | |
| | | 73 | 48 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 30 | 10 | |
| | | v | ^ | |
| 830 | < | | < | 580 |
| 980 | > | | > | 890 |
| | | v | ^ | |
| | | 70 | 50 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 70 | 20 | |
| | | v | ^ | |
| 1330 | < IN = | 2640 | < | 1020 |
| 1470 | > OUT = | 2810 | > | 1340 |
| | | v | ^ | * |
| | | 120 | 80 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 23 | 31 | |
| | | v | ^ | |
| 514 < | IN = | 1096 | < | 475 |
| 569 > | OUT = | 1096 | > | 517 |
| | | v | ^ | |
| | | 34 | 29 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 7 | 49 | |
| | | v | ^ | |
| 1080 | < | | < | 990 |
| 1090 | > | | > | 820 |
| | | v | ^ | |
| | | 36 | 71 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 50 | |
| | | v | ^ | |
| 1080 | < | | < | 990 |
| 1090 | > | | > | 820 |
| | | v | ^ | |
| | | 40 | 70 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 30 | 85 | |
| | | v | ^ | |
| 1683 | < IN = | 3260 | < | 1470 |
| 1660 | > OUT = | 3260 | > | 1418 |
| | | v | ^ | * |
| | | 74 | 100 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[33 Briggs_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Proposed Menifee General Plan | Analyst: | MD |
| | | Date: | July 23, 2012 |

LOCATION: Briggs Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 29 | 89 | 60 | 207% | 26 | 101 | 75 | 288% |
| | Through | 1 | 1 | 0 | 0% | 2 | 3 | 1 | 50% |
| | Right | 2 | 2 | 0 | 0% | 1 | 2 | 1 | 100% |
| | NB Total | 32 | 92 | 60 | 188% | 29 | 106 | 77 | 266% |
| SOUTH BOUND | Left | 4 | 4 | 0 | 0% | 5 | 3 | -2 | -40% |
| | Through | 5 | 4 | -1 | -20% | 1 | 1 | 0 | 0% |
| | Right | 27 | 71 | 44 | 163% | 17 | 27 | 10 | 59% |
| | SB Total | 36 | 79 | 43 | 119% | 23 | 31 | 8 | 35% |
| EAST BOUND | Left | 12 | 19 | 7 | 58% | 27 | 78 | 51 | 189% |
| | Through | 440 | 1,334 | 894 | 203% | 511 | 1,413 | 902 | 177% |
| | Right | 40 | 114 | 74 | 185% | 31 | 71 | 40 | 129% |
| | EB Total | 492 | 1,467 | 975 | 198% | 569 | 1,562 | 993 | 175% |
| WEST BOUND | Left | 2 | 2 | 0 | 0% | 2 | 2 | 0 | 0% |
| | Through | 440 | 1,170 | 730 | 166% | 471 | 1,555 | 1,084 | 230% |
| | Right | 1 | 0 | -1 | -100% | 2 | 3 | 1 | 50% |
| | WB Total | 443 | 1,172 | 729 | 165% | 475 | 1,560 | 1,085 | 228% |
| TOTAL ENTERING VOLUME | | 1,003 | 2,810 | 1807 | 180% | 1,096 | 3,259 | 2163 | 197% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 79 | 31 | | | |
| North Leg | Outbound | 20 | 84 | | | |
| **North Leg** | **TOTAL** | **99** | **115** | **4%** | **4%** | **2,700** |
| South Leg | Inbound | 92 | 106 | | | |
| South Leg | Outbound | 120 | 74 | | | |
| **South Leg** | **TOTAL** | **212** | **180** | **3%** | **2%** | **7,900** |
| East Leg | Inbound | 1,172 | 1,560 | | | |
| East Leg | Outbound | 1,340 | 1,418 | | | |
| **East Leg** | **TOTAL** | **2,512** | **2,978** | **9%** | **10%** | **29,400** |
| West Leg | Inbound | 1,467 | 1,562 | | | |
| West Leg | Outbound | 1,330 | 1,683 | | | |
| **West Leg** | **TOTAL** | **2,797** | **3,245** | **8%** | **9%** | **34,600** |
| ***OVERALL TOTAL*** | | ***5,620*** | ***6,518*** | **8%** | ***9%*** | ***74,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Proposed\[33 Briggs_Scott.xls]Output (3)*

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# APPENDIX 7.4

Proposed Menifee General Plan (Post-2035) Intersection Peak Hour Analysis

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

Cycle (sec): 105 | Critical Vol./Cap.(X): 0.426
Loss Time (sec): 16 | Average Delay (sec/veh): 31.3
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 15 | 3 | 25 | 686 | 1 | 239 | 70 | 864 | 3 | 10 | 866 | 193 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 15 | 3 | 25 | 686 | 1 | 239 | 70 | 864 | 3 | 10 | 866 | 193 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 16 | 3 | 26 | 722 | 1 | 252 | 74 | 909 | 3 | 11 | 912 | 203 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 16 | 3 | 26 | 722 | 1 | 252 | 74 | 909 | 3 | 11 | 912 | 203 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 16 | 3 | 26 | 722 | 1 | 252 | 74 | 909 | 3 | 11 | 912 | 203 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 176 | 1469 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.02 | 0.02 | 0.21 | 0.00 | 0.16 | 0.02 | 0.18 | 0.00 | 0.01 | 0.18 | 0.13 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.15 | 0.15 | 0.32 | 0.37 | 0.37 | 0.10 | 0.28 | 0.28 | 0.10 | 0.29 | 0.60 |
| Volume/Cap: | 0.09 | 0.12 | 0.12 | 0.65 | 0.00 | 0.42 | 0.22 | 0.62 | 0.01 | 0.06 | 0.62 | 0.21 |
| Delay/Veh: | 43.6 | 39.1 | 39.1 | 32.0 | 20.8 | 25.0 | 44.2 | 33.8 | 27.2 | 42.9 | 33.3 | 9.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 43.6 | 39.1 | 39.1 | 32.0 | 20.8 | 25.0 | 44.2 | 33.8 | 27.2 | 42.9 | 33.3 | 9.5 |
| LOS by Move: | D | D | D | C | C | C | D | C | C | D | C | A |
| HCM2kAvgQ: | 1 | 1 | 1 | 11 | 0 | 6 | 1 | 10 | 0 | 0 | 10 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

Cycle (sec): 115 | Critical Vol./Cap.(X): 0.644
Loss Time (sec): 16 | Average Delay (sec/veh): 46.8
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 36 | 130 | 606 | 541 | 317 | 575 | 96 | 1083 | 42 | 771 | 839 | 213 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 36 | 130 | 606 | 541 | 317 | 575 | 96 | 1083 | 42 | 771 | 839 | 213 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 38 | 137 | 638 | 569 | 334 | 605 | 101 | 1140 | 44 | 812 | 883 | 224 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 38 | 137 | 638 | 569 | 334 | 605 | 101 | 1140 | 44 | 812 | 883 | 224 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 38 | 137 | 638 | 569 | 334 | 605 | 101 | 1140 | 44 | 812 | 883 | 224 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.04 | 0.39 | 0.16 | 0.09 | 0.37 | 0.03 | 0.22 | 0.03 | 0.23 | 0.17 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.19 | 0.44 | 0.19 | 0.30 | 0.42 | 0.13 | 0.23 | 0.23 | 0.24 | 0.35 | 0.35 |
| Volume/Cap: | 0.12 | 0.20 | 0.91 | 0.85 | 0.31 | 0.88 | 0.22 | 0.94 | 0.12 | 0.95 | 0.49 | 0.40 |
| Delay/Veh: | 48.6 | 39.2 | 45.9 | 55.2 | 31.6 | 43.2 | 45.1 | 56.4 | 34.8 | 62.9 | 29.6 | 28.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 48.6 | 39.2 | 45.9 | 55.2 | 31.6 | 43.2 | 45.1 | 56.4 | 34.8 | 62.9 | 29.6 | 28.8 |
| LOS by Move: | D | D | D | E | C | D | D | E | C | E | C | C |
| HCM2kAvgQ: | 1 | 2 | 25 | 13 | 5 | 23 | 2 | 19 | 1 | 19 | 9 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.762 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 44.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 91 | 126 | 195 | 187 | 60 | 123 | 3 | 1923 | 35 | 147 | 1563 | 99 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 91 | 126 | 195 | 187 | 60 | 123 | 3 | 1923 | 35 | 147 | 1563 | 99 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 94 | 131 | 202 | 194 | 62 | 127 | 3 | 1993 | 36 | 152 | 1620 | 103 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 94 | 131 | 202 | 194 | 62 | 127 | 3 | 1993 | 36 | 152 | 1620 | 103 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 94 | 131 | 202 | 194 | 62 | 127 | 3 | 1993 | 36 | 152 | 1620 | 103 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.04 | 0.13 | 0.11 | 0.02 | 0.08 | 0.00 | 0.38 | 0.02 | 0.04 | 0.31 | 0.06 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.28 | 0.28 | 0.11 | 0.30 | 0.30 | 0.10 | 0.40 | 0.40 | 0.08 | 0.38 | 0.38 |
| Volume/Cap: | 0.58 | 0.13 | 0.45 | 0.97 | 0.06 | 0.27 | 0.01 | 0.97 | 0.06 | 0.52 | 0.82 | 0.17 |
| Delay/Veh: | 57.7 | 32.8 | 36.8 | 107.0 | 30.3 | 32.6 | 48.5 | 48.3 | 22.3 | 54.4 | 36.5 | 24.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.7 | 32.8 | 36.8 | 107.0 | 30.3 | 32.6 | 48.5 | 48.3 | 22.3 | 54.4 | 36.5 | 24.8 |
| LOS by Move: | E | C | D | F | C | C | D | D | C | D | D | C |
| HCM2kAvgQ: | 4 | 2 | 6 | 11 | 1 | 4 | 0 | 32 | 1 | 3 | 22 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.397
Loss Time (sec): 16 Average Delay (sec/veh): 26.2
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 6 | 150 | 152 | 68 | 172 | 95 | 121 | 392 | 13 | 221 | 209 | 68 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 6 | 150 | 152 | 68 | 172 | 95 | 121 | 392 | 13 | 221 | 209 | 68 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 6 | 158 | 160 | 72 | 181 | 100 | 127 | 413 | 14 | 233 | 220 | 72 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 6 | 158 | 160 | 72 | 181 | 100 | 127 | 413 | 14 | 233 | 220 | 72 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 6 | 158 | 160 | 72 | 181 | 100 | 127 | 413 | 14 | 233 | 220 | 72 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.04 | 0.10 | 0.04 | 0.05 | 0.06 | 0.04 | 0.11 | 0.01 | 0.07 | 0.06 | 0.04 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.03 | 0.14 | 0.32 | 0.33 | 0.16 | 0.20 | 0.30 | 0.45 | 0.03 | 0.54 | 0.24 | 0.17 |
| Delay/Veh: | 31.8 | 20.8 | 22.4 | 33.8 | 20.9 | 21.3 | 33.2 | 26.0 | 22.9 | 35.3 | 24.3 | 23.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.8 | 20.8 | 22.4 | 33.8 | 20.9 | 21.3 | 33.2 | 26.0 | 22.9 | 35.3 | 24.3 | 23.9 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 3 | 2 | 2 | 2 | 2 | 5 | 0 | 4 | 2 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

Cycle (sec): 85 Critical Vol./Cap.(X): 0.187
Loss Time (sec): 16 Average Delay (sec/veh): 23.5
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 7 | 208 | 34 | 29 | 309 | 72 | 19 | 63 | 58 | 33 | 18 | 21 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 7 | 208 | 34 | 29 | 309 | 72 | 19 | 63 | 58 | 33 | 18 | 21 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 7 | 219 | 36 | 31 | 325 | 76 | 20 | 66 | 61 | 35 | 19 | 22 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 7 | 219 | 36 | 31 | 325 | 76 | 20 | 66 | 61 | 35 | 19 | 22 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 7 | 219 | 36 | 31 | 325 | 76 | 20 | 66 | 61 | 35 | 19 | 22 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.88 | 0.88 | 0.95 | 0.87 | 0.87 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.04 | 0.96 | 1.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 1744 | 1606 | 1805 | 1659 | 1659 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.06 | 0.02 | 0.02 | 0.09 | 0.05 | 0.01 | 0.04 | 0.04 | 0.02 | 0.01 | 0.01 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.14 | 0.32 | 0.32 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.03 | 0.20 | 0.07 | 0.12 | 0.28 | 0.15 | 0.09 | 0.15 | 0.15 | 0.16 | 0.04 | 0.05 |
| Delay/Veh: | 33.3 | 22.3 | 21.4 | 32.5 | 21.9 | 20.9 | 33.7 | 24.3 | 24.3 | 34.1 | 23.6 | 23.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 33.3 | 22.3 | 21.4 | 32.5 | 21.9 | 20.9 | 33.7 | 24.3 | 24.3 | 34.1 | 23.6 | 23.7 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.435
Loss Time (sec): 16 | Average Delay (sec/veh): 36.9
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 44 | 115 | 32 | 947 | 155 | 457 | 473 | 1246 | 49 | 67 | 845 | 399 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 44 | 115 | 32 | 947 | 155 | 457 | 473 | 1246 | 49 | 67 | 845 | 399 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 46 | 121 | 34 | 997 | 163 | 481 | 498 | 1312 | 52 | 71 | 889 | 420 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 46 | 121 | 34 | 997 | 163 | 481 | 498 | 1312 | 52 | 71 | 889 | 420 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 46 | 121 | 34 | 997 | 163 | 481 | 498 | 1312 | 52 | 71 | 889 | 420 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.03 | 0.02 | 0.28 | 0.05 | 0.30 | 0.14 | 0.25 | 0.03 | 0.02 | 0.17 | 0.26 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.09 | 0.10 | 0.10 | 0.30 | 0.31 | 0.50 | 0.19 | 0.34 | 0.34 | 0.12 | 0.26 | 0.57 |
| Volume/Cap: | 0.15 | 0.35 | 0.22 | 0.94 | 0.15 | 0.60 | 0.74 | 0.75 | 0.09 | 0.17 | 0.65 | 0.46 |
| Delay/Veh: | 46.3 | 47.0 | 46.5 | 52.5 | 27.6 | 20.8 | 46.5 | 34.1 | 25.0 | 44.0 | 37.1 | 14.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 46.3 | 47.0 | 46.5 | 52.5 | 27.6 | 20.8 | 46.5 | 34.1 | 25.0 | 44.0 | 37.1 | 14.3 |
| LOS by Move: | D | D | D | D | C | C | D | C | C | D | D | B |
| HCM2kAvgQ: | 1 | 2 | 1 | 21 | 2 | 12 | 10 | 16 | 1 | 1 | 11 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.399
Loss Time (sec): 12 Average Delay (sec/veh): 19.8
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 0 | 0 | 2 0 | 0 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 273 | 0 | 467 | 233 | 1266 | 0 | 0 | 941 | 139 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 273 | 0 | 467 | 233 | 1266 | 0 | 0 | 941 | 139 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 287 | 0 | 492 | 245 | 1333 | 0 | 0 | 991 | 146 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 287 | 0 | 492 | 245 | 1333 | 0 | 0 | 991 | 146 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 287 | 0 | 492 | 245 | 1333 | 0 | 0 | 991 | 146 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.19 | 0.09 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.51 | 0.13 | 0.47 | 0.00 | 0.00 | 0.34 | 0.34 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.59 | 0.55 | 0.55 | 0.00 | 0.00 | 0.55 | 0.26 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.4 | 0.0 | 15.5 | 36.4 | 16.3 | 0.0 | 0.0 | 23.0 | 20.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.4 | 0.0 | 15.5 | 36.4 | 16.3 | 0.0 | 0.0 | 23.0 | 20.3 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 3 | 0 | 10 | 4 | 9 | 0 | 0 | 8 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.660
Loss Time (sec): 16 | Average Delay (sec/veh): 42.5
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Ovl | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 1 | 1 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 93 | 57 | 533 | | 150 | 63 | 18 | | 61 | 1085 | 107 | | 610 | 999 | 83 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 93 | 57 | 533 | | 150 | 63 | 18 | | 61 | 1085 | 107 | | 610 | 999 | 83 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.85 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 1.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 1615 | | 1805 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.02 | 0.35 | | 0.09 | 0.02 | 0.01 | | 0.02 | 0.32 | 0.07 | | 0.18 | 0.29 | 0.05 | |
| Crit Moves: | **** | | | | | **** | | | | **** | | | **** | | | |
| Green/Cycle: | 0.08 | 0.20 | 0.40 | | 0.10 | 0.22 | 0.22 | | 0.13 | 0.36 | 0.36 | | 0.21 | 0.44 | 0.44 | |
| Volume/Cap: | 0.65 | 0.08 | 0.86 | | 0.84 | 0.08 | 0.05 | | 0.15 | 0.88 | 0.19 | | 0.88 | 0.66 | 0.12 | |
| Delay/Veh: | 63.0 | 39.5 | 44.0 | | 79.6 | 37.6 | 37.3 | | 46.8 | 43.5 | 26.7 | | 58.3 | 27.5 | 19.9 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 63.0 | 39.5 | 44.0 | | 79.6 | 37.6 | 37.3 | | 46.8 | 43.5 | 26.7 | | 58.3 | 27.5 | 19.9 | |
| LOS by Move: | E | D | D | | E | D | D | | D | D | C | | E | C | B | |
| HCM2kAvgQ: | 5 | 1 | 22 | | 8 | 1 | 1 | | 1 | 24 | 3 | | 15 | 16 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 60 | Critical Vol./Cap.(X): 0.262
Loss Time (sec): 12 | Average Delay (sec/veh): 14.0
Optimal Cycle: OPTIMIZED | Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 2 | 0 | 0 | 0 | 0 2 | 0 1 | 1 | 0 | 0 | 0 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 92 | 486 | 0 | 0 | 421 | 43 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 92 | 486 | 0 | 0 | 421 | 43 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | | |
| PHF Volume: | 97 | 512 | 0 | 0 | 443 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 97 | 512 | 0 | 0 | 443 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 97 | 512 | 0 | 0 | 443 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.14 | 0.00 | 0.00 | 0.12 | 0.03 | 0.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | | | **** | | | | | | | |
| Green/Cycle: | 0.14 | 0.52 | 0.00 | 0.00 | 0.38 | 0.38 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.37 | 0.27 | 0.00 | 0.00 | 0.33 | 0.07 | 0.11 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 27.5 | 9.3 | 0.0 | 0.0 | 15.4 | 13.8 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 27.5 | 9.3 | 0.0 | 0.0 | 15.4 | 13.8 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | A | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 2 | 3 | 0 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.614
Loss Time (sec): 16 | Average Delay (sec/veh): 39.2
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 237 | 324 | 409 | 249 | 216 | 125 | 225 | 1432 | 183 | 272 | 858 | 191 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 237 | 324 | 409 | 249 | 216 | 125 | 225 | 1432 | 183 | 272 | 858 | 191 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 249 | 341 | 431 | 262 | 227 | 132 | 237 | 1507 | 193 | 286 | 903 | 201 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 249 | 341 | 431 | 262 | 227 | 132 | 237 | 1507 | 193 | 286 | 903 | 201 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 249 | 341 | 431 | 262 | 227 | 132 | 237 | 1507 | 193 | 286 | 903 | 201 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.09 | 0.27 | 0.15 | 0.06 | 0.08 | 0.07 | 0.29 | 0.12 | 0.08 | 0.17 | 0.12 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.23 | 0.33 | 0.18 | 0.32 | 0.32 | 0.12 | 0.35 | 0.35 | 0.10 | 0.33 | 0.33 |
| Volume/Cap: | 0.78 | 0.41 | 0.82 | 0.81 | 0.20 | 0.26 | 0.56 | 0.84 | 0.34 | 0.84 | 0.54 | 0.38 |
| Delay/Veh: | 60.9 | 36.4 | 43.5 | 57.1 | 27.4 | 28.1 | 47.4 | 36.6 | 26.9 | 64.9 | 30.7 | 29.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 60.9 | 36.4 | 43.5 | 57.1 | 27.4 | 28.1 | 47.4 | 36.6 | 26.9 | 64.9 | 30.7 | 29.1 |
| LOS by Move: | E | D | D | E | C | C | D | D | C | E | C | C |
| HCM2kAvgQ: | 6 | 5 | 16 | 11 | 3 | 3 | 5 | 19 | 5 | 7 | 9 | 5 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2246 | 363 | 0 | 2075 | 0 | 0 | 0 | 0 | 240 | 0 | 315 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 1.00 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6020 | 1265 | | 6408 | | | | | 3433 | | 2739 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6020 | 1265 | | 6408 | | | | | 3433 | | 2739 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 2364 | 382 | 0 | 2184 | 0 | 0 | 0 | 0 | 253 | 0 | 332 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Lane Group Flow (vph) | 0 | 2399 | 344 | 0 | 2184 | 0 | 0 | 0 | 0 | 253 | 0 | 327 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 41.0 | 75.0 | | 41.0 | | | | | 22.0 | | 22.0 |
| Effective Green, g (s) | | 41.0 | 75.0 | | 41.0 | | | | | 22.0 | | 22.0 |
| Actuated g/C Ratio | | 0.55 | 1.00 | | 0.55 | | | | | 0.29 | | 0.29 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 3291 | 1265 | | 3503 | | | | | 1007 | | 803 |
| v/s Ratio Prot | | c0.40 | | | 0.34 | | | | | | | |
| v/s Ratio Perm | | | 0.27 | | | | | | | 0.07 | | c0.12 |
| v/c Ratio | | 0.73 | 0.27 | | 0.62 | | | | | 0.25 | | 0.41 |
| Uniform Delay, d1 | | 12.8 | 0.0 | | 11.7 | | | | | 20.2 | | 21.3 |
| Progression Factor | | 1.00 | 1.00 | | 0.63 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 1.5 | 0.5 | | 0.7 | | | | | 0.6 | | 1.5 |
| Delay (s) | | 14.3 | 0.5 | | 8.0 | | | | | 20.8 | | 22.8 |
| Level of Service | | B | A | | A | | | | | C | | C |
| Approach Delay (s) | | 12.5 | | | 8.0 | | | 0.0 | | | 21.9 | |
| Approach LOS | | B | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.8 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.62 | | |
| Actuated Cycle Length (s) | 75.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 58.4% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1500 | 268 | 652 | 1448 | 0 | 0 | 0 | 0 | 296 | 0 | 244 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1553 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1553 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1579 | 282 | 686 | 1524 | 0 | 0 | 0 | 0 | 312 | 0 | 257 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| Lane Group Flow (vph) | 0 | 1579 | 282 | 686 | 1524 | 0 | 0 | 0 | 0 | 0 | 312 | 218 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 49.4 | 120.0 | 29.5 | 83.4 | | | | | | 24.6 | 24.6 |
| Effective Green, g (s) | | 49.4 | 120.0 | 29.5 | 83.4 | | | | | | 24.6 | 24.6 |
| Actuated g/C Ratio | | 0.41 | 1.00 | 0.25 | 0.70 | | | | | | 0.21 | 0.21 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 2093 | 1562 | 844 | 3534 | | | | | | 363 | 318 |
| v/s Ratio Prot | | c0.31 | | c0.20 | 0.30 | | | | | | c0.18 | |
| v/s Ratio Perm | | | 0.18 | | | | | | | | | 0.14 |
| v/c Ratio | | 0.75 | 0.18 | 0.81 | 0.43 | | | | | | 0.86 | 0.69 |
| Uniform Delay, d1 | | 30.1 | 0.0 | 42.6 | 8.0 | | | | | | 46.0 | 44.1 |
| Progression Factor | | 0.80 | 1.00 | 0.54 | 0.37 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.6 | 0.2 | 3.5 | 0.2 | | | | | | 17.4 | 4.8 |
| Delay (s) | | 25.8 | 0.2 | 26.6 | 3.2 | | | | | | 63.4 | 48.9 |
| Level of Service | | C | A | C | A | | | | | | E | D |
| Approach Delay (s) | | 21.9 | | | 10.5 | | | 0.0 | | | 56.9 | |
| Approach LOS | | C | | | B | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.8 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.80 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 77.7% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.754
Loss Time (sec): 16 | Average Delay (sec/veh): 92.1
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.33 | 0.19 | 0.24 | 0.27 | 0.16 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.52 | 0.08 | 0.33 | 0.33 | 0.11 | 0.27 | 0.35 | 0.19 | 0.35 | 0.35 |
| Volume/Cap: | 0.69 | 0.08 | 0.37 | 0.32 | 0.09 | 0.08 | 0.26 | 1.24 | 0.55 | 1.24 | 0.77 | 0.46 |
| Delay/Veh: | 60.3 | 28.1 | 17.5 | 52.5 | 28.2 | 28.2 | 49.4 | 158 | 32.4 | 168.4 | 36.7 | 30.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 60.3 | 28.1 | 17.5 | 52.5 | 28.2 | 28.2 | 49.4 | 158 | 32.4 | 168.4 | 36.7 | 30.9 |
| LOS by Move: | E | C | B | D | C | C | D | F | C | F | D | C |
| HCM2kAvgQ: | 5 | 1 | 7 | 2 | 1 | 1 | 2 | 40 | 9 | 28 | 18 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.593
Loss Time (sec): 16 | Average Delay (sec/veh): 38.9
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 164 | 220 | 24 | 403 | 153 | 81 | 62 | 974 | 395 | 212 | 1035 | 267 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 164 | 220 | 24 | 403 | 153 | 81 | 62 | 974 | 395 | 212 | 1035 | 267 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 173 | 232 | 25 | 424 | 161 | 85 | 65 | 1025 | 416 | 223 | 1089 | 281 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 173 | 232 | 25 | 424 | 161 | 85 | 65 | 1025 | 416 | 223 | 1089 | 281 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 173 | 232 | 25 | 424 | 161 | 85 | 65 | 1025 | 416 | 223 | 1089 | 281 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.06 | 0.02 | 0.12 | 0.04 | 0.05 | 0.02 | 0.20 | 0.26 | 0.06 | 0.21 | 0.17 |
| Crit Moves: | | **** | | **** | | | | | **** | **** | | |
| Green/Cycle: | 0.10 | 0.30 | 0.30 | 0.15 | 0.34 | 0.34 | 0.12 | 0.32 | 0.32 | 0.09 | 0.29 | 0.29 |
| Volume/Cap: | 0.47 | 0.21 | 0.05 | 0.82 | 0.13 | 0.15 | 0.16 | 0.63 | 0.82 | 0.70 | 0.73 | 0.61 |
| Delay/Veh: | 47.4 | 28.9 | 27.4 | 55.1 | 24.8 | 25.1 | 43.6 | 32.9 | 44.7 | 55.4 | 37.3 | 36.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 47.4 | 28.9 | 27.4 | 55.1 | 24.8 | 25.1 | 43.6 | 32.9 | 44.7 | 55.4 | 37.3 | 36.2 |
| LOS by Move: | D | C | C | E | C | C | D | C | D | E | D | D |
| HCM2kAvgQ: | 3 | 3 | 1 | 9 | 2 | 2 | 1 | 11 | 15 | 5 | 13 | 9 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1601 | 637 | 0 | 1724 | 621 | 0 | 0 | 0 | 529 | 0 | 631 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.98 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7290 | 1488 | | 5588 | 1548 | | | | 1863 | 1841 | 1831 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7290 | 1488 | | 5588 | 1548 | | | | 1863 | 1841 | 1831 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1685 | 671 | 0 | 1815 | 654 | 0 | 0 | 0 | 557 | 0 | 664 |
| RTOR Reduction (vph) | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Lane Group Flow (vph) | 0 | 1916 | 423 | 0 | 1815 | 654 | 0 | 0 | 0 | 423 | 401 | 387 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 73.6 | 120.0 | | 73.6 | 120.0 | | | | 34.4 | 34.4 | 34.4 |
| Effective Green, g (s) | | 73.6 | 120.0 | | 73.6 | 120.0 | | | | 34.4 | 34.4 | 34.4 |
| Actuated g/C Ratio | | 0.61 | 1.00 | | 0.61 | 1.00 | | | | 0.29 | 0.29 | 0.29 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 4471 | 1488 | | 3427 | 1548 | | | | 534 | 528 | 525 |
| v/s Ratio Prot | | 0.26 | | | c0.32 | | | | | c0.23 | 0.22 | |
| v/s Ratio Perm | | | 0.28 | | | 0.42 | | | | | | 0.21 |
| v/c Ratio | | 0.43 | 0.28 | | 0.53 | 0.42 | | | | 0.79 | 0.76 | 0.74 |
| Uniform Delay, d1 | | 12.2 | 0.0 | | 13.3 | 0.0 | | | | 39.5 | 39.0 | 38.7 |
| Progression Factor | | 0.47 | 1.00 | | 0.62 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.1 | 0.2 | | 0.5 | 0.7 | | | | 7.4 | 5.5 | 4.6 |
| Delay (s) | | 5.8 | 0.2 | | 8.8 | 0.7 | | | | 46.9 | 44.6 | 43.3 |
| Level of Service | | A | A | | A | A | | | | D | D | D |
| Approach Delay (s) | | 4.8 | | | 6.7 | | | 0.0 | | | 45.0 | |
| Approach LOS | | A | | | A | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 13.7 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.61 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 69.9% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 851 | 607 | 1500 | 464 | 302 | 220 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.98 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2740 | 3776 | 2817 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2740 | 3776 | 2817 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 896 | 639 | 1579 | 488 | 318 | 232 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 135 | 0 | 59 |
| Lane Group Flow (vph) | 896 | 639 | 1579 | 353 | 318 | 173 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 61.5 | 85.0 | 61.5 | 61.5 | 11.5 | 11.5 |
| Effective Green, g (s) | 62.8 | 85.0 | 62.8 | 61.5 | 12.8 | 12.8 |
| Actuated g/C Ratio | 0.74 | 1.00 | 0.74 | 0.72 | 0.15 | 0.15 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 4892 | 1636 | 3883 | 1982 | 569 | 424 |
| v/s Ratio Prot | 0.14 | | 0.30 | | c0.08 | |
| v/s Ratio Perm | | c0.39 | | 0.13 | | 0.06 |
| v/c Ratio | 0.18 | 0.39 | 0.41 | 0.18 | 0.56 | 0.41 |
| Uniform Delay, d1 | 3.4 | 0.0 | 4.1 | 3.7 | 33.5 | 32.7 |
| Progression Factor | 1.00 | 1.00 | 0.29 | 0.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.1 | 0.7 | 0.3 | 0.2 | 0.7 | 0.2 |
| Delay (s) | 3.4 | 0.7 | 1.5 | 0.2 | 34.2 | 32.9 |
| Level of Service | A | A | A | A | C | C |
| Approach Delay (s) | 2.3 | | 1.2 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 5.9 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.42 | | |
| Actuated Cycle Length (s) | 85.0 | Sum of lost time (s) | 4.7 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2300 | 0 | 0 | 1733 | 43 | 657 | 0 | 264 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6033 | 1282 | 3433 | | 2740 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6033 | 1282 | 3433 | | 2740 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 2421 | 0 | 0 | 1824 | 45 | 692 | 0 | 278 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2421 | 0 | 0 | 1829 | 40 | 692 | 0 | 276 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 39.0 | | | 39.0 | 75.0 | 24.0 | | 24.0 | | | |
| Effective Green, g (s) | | 39.0 | | | 39.0 | 75.0 | 24.0 | | 24.0 | | | |
| Actuated g/C Ratio | | 0.52 | | | 0.52 | 1.00 | 0.32 | | 0.32 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 3332 | | | 3137 | 1282 | 1099 | | 877 | | | |
| v/s Ratio Prot | | c0.38 | | | 0.30 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.03 | c0.20 | | 0.10 | | | |
| v/c Ratio | | 0.73 | | | 0.58 | 0.03 | 0.63 | | 0.31 | | | |
| Uniform Delay, d1 | | 13.9 | | | 12.4 | 0.0 | 21.7 | | 19.3 | | | |
| Progression Factor | | 0.34 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 1.0 | | | 0.8 | 0.0 | 2.7 | | 0.9 | | | |
| Delay (s) | | 5.8 | | | 13.2 | 0.0 | 24.5 | | 20.2 | | | |
| Level of Service | | A | | | B | A | C | | C | | | |
| Approach Delay (s) | | 5.8 | | | 12.9 | | | 23.2 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.5 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.69 | | |
| Actuated Cycle Length (s) | 75.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 62.1% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 264 | 1532 | 0 | 0 | 1828 | 186 | 272 | 2 | 438 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 278 | 1613 | 0 | 0 | 1924 | 196 | 286 | 2 | 461 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 278 | 1613 | 0 | 0 | 1924 | 196 | 0 | 288 | 444 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 12.1 | 71.2 | | | 54.6 | 120.0 | | 36.8 | 36.8 | | | |
| Effective Green, g (s) | 11.6 | 71.7 | | | 55.1 | 120.0 | | 37.3 | 37.3 | | | |
| Actuated g/C Ratio | 0.10 | 0.60 | | | 0.46 | 1.00 | | 0.31 | 0.31 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 332 | 3038 | | | 2335 | 1583 | | 552 | 492 | | | |
| v/s Ratio Prot | c0.08 | 0.32 | | | c0.38 | | | 0.16 | | | | |
| v/s Ratio Perm | | | | | | 0.12 | | | c0.28 | | | |
| v/c Ratio | 0.84 | 0.53 | | | 0.82 | 0.12 | | 0.52 | 0.90 | | | |
| Uniform Delay, d1 | 53.3 | 14.2 | | | 28.2 | 0.0 | | 34.0 | 39.6 | | | |
| Progression Factor | 1.34 | 0.05 | | | 0.64 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 10.8 | 0.1 | | | 2.6 | 0.1 | | 0.9 | 19.8 | | | |
| Delay (s) | 82.4 | 0.7 | | | 20.7 | 0.1 | | 34.9 | 59.4 | | | |
| Level of Service | F | A | | | C | A | | C | E | | | |
| Approach Delay (s) | | 12.7 | | | 18.8 | | | 50.0 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 21.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.85 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 77.7% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1652 | 478 | 0 | 1887 | 404 | 458 | 0 | 371 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 1.00 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.94 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (prot) | | 4783 | 1343 | | 6408 | 1562 | 1681 | 1538 | 1481 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (perm) | | 4783 | 1343 | | 6408 | 1562 | 1681 | 1538 | 1481 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1739 | 503 | 0 | 1986 | 425 | 482 | 0 | 391 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1786 | 453 | 0 | 1986 | 425 | 304 | 288 | 267 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 55.9 | 120.0 | | 55.9 | 120.0 | 52.1 | 52.1 | 52.1 | | | |
| Effective Green, g (s) | | 55.9 | 120.0 | | 55.9 | 120.0 | 52.1 | 52.1 | 52.1 | | | |
| Actuated g/C Ratio | | 0.47 | 1.00 | | 0.47 | 1.00 | 0.43 | 0.43 | 0.43 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 2228 | 1343 | | 2985 | 1562 | 730 | 668 | 643 | | | |
| v/s Ratio Prot | | c0.37 | | | 0.31 | | 0.18 | c0.19 | | | | |
| v/s Ratio Perm | | | 0.34 | | | 0.27 | | | 0.18 | | | |
| v/c Ratio | | 0.80 | 0.34 | | 0.67 | 0.27 | 0.42 | 0.43 | 0.42 | | | |
| Uniform Delay, d1 | | 27.3 | 0.0 | | 24.8 | 0.0 | 23.4 | 23.6 | 23.4 | | | |
| Progression Factor | | 1.11 | 1.00 | | 0.25 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 1.8 | 0.6 | | 0.2 | 0.2 | 1.7 | 2.0 | 2.0 | | | |
| Delay (s) | | 32.3 | 0.6 | | 6.3 | 0.2 | 25.2 | 25.7 | 25.4 | | | |
| Level of Service | | C | A | | A | A | C | C | C | | | |
| Approach Delay (s) | | 25.9 | | | 5.2 | | | 25.4 | | | 0.0 | |
| Approach LOS | | C | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 16.8 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.62 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 62.1% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 193 | 960 | 0 | 0 | 1386 | 354 | 0 | 2 | 476 | 0 | 0 | 578 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | 6.0 | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | 1.00 | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 0.97 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7672 | 1368 | | 2027 | 3378 | | | 2880 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7672 | 1368 | | 2027 | 3378 | | | 2880 |
| Peak-hour factor, PHF | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| Adj. Flow (vph) | 199 | 990 | 0 | 0 | 1429 | 365 | 0 | 2 | 491 | 0 | 0 | 596 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 4 | 160 | 0 | 0 | 447 | 0 | 0 | 550 |
| Lane Group Flow (vph) | 199 | 990 | 0 | 0 | 1472 | 158 | 0 | 2 | 44 | 0 | 0 | 46 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | NA | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 9.0 | 55.7 | | | 42.2 | 42.2 | | 6.3 | 6.3 | | | 6.5 |
| Effective Green, g (s) | 9.0 | 57.0 | | | 43.5 | 42.2 | | 6.3 | 7.6 | | | 6.5 |
| Actuated g/C Ratio | 0.11 | 0.67 | | | 0.51 | 0.50 | | 0.07 | 0.09 | | | 0.08 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | 2.0 | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 388 | 5170 | | | 3926 | 679 | | 150 | 302 | | | 220 |
| v/s Ratio Prot | c0.05 | 0.13 | | | c0.19 | | | 0.00 | | | | |
| v/s Ratio Perm | | | | | | 0.12 | | | c0.01 | | | c0.02 |
| v/c Ratio | 0.51 | 0.19 | | | 0.37 | 0.23 | | 0.01 | 0.15 | | | 0.21 |
| Uniform Delay, d1 | 35.9 | 5.3 | | | 12.5 | 12.2 | | 36.5 | 35.7 | | | 36.8 |
| Progression Factor | 1.05 | 0.65 | | | 0.34 | 0.14 | | 1.00 | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 0.5 | 0.1 | | | 0.2 | 0.6 | | 0.0 | 0.1 | | | 0.2 |
| Delay (s) | 38.0 | 3.5 | | | 4.4 | 2.3 | | 36.5 | 35.8 | | | 37.0 |
| Level of Service | D | A | | | A | A | | D | D | | | D |
| Approach Delay (s) | | 9.3 | | | 4.0 | | | 35.8 | | | 37.0 | |
| Approach LOS | | A | | | A | | | D | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 14.2 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.35 | | |
| Actuated Cycle Length (s) | 85.0 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 50.5% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.576
Loss Time (sec): 12 | Average Delay (sec/veh): 21.6
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Permitted | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 33 | 0 | 33 | | 0 | 0 | 0 | | 0 | 21 | 21 | | 10 | 21 | 0 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 4 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 50 | 0 | 69 | | 0 | 0 | 0 | | 0 | 2463 | 101 | | 169 | 1726 | 0 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 50 | 0 | 69 | | 0 | 0 | 0 | | 0 | 2463 | 101 | | 169 | 1726 | 0 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 53 | 0 | 73 | | 0 | 0 | 0 | | 0 | 2593 | 106 | | 178 | 1817 | 0 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 53 | 0 | 73 | | 0 | 0 | 0 | | 0 | 2593 | 106 | | 178 | 1817 | 0 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 53 | 0 | 73 | | 0 | 0 | 0 | | 0 | 2593 | 106 | | 178 | 1817 | 0 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 1.00 | 0.85 | | 1.00 | 1.00 | 1.00 | | 1.00 | 0.91 | 0.85 | | 0.95 | 0.91 | 1.00 | |
| Lanes: | 1.00 | 0.00 | 1.00 | | 0.00 | 0.00 | 0.00 | | 0.00 | 4.00 | 1.00 | | 1.00 | 4.00 | 0.00 | |
| Final Sat.: | 1805 | 0 | 1615 | | 0 | 0 | 0 | | 0 | 6916 | 1615 | | 1805 | 6916 | 0 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.00 | 0.04 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.37 | 0.07 | | 0.10 | 0.26 | 0.00 | |
| Crit Moves: | | | **** | | | | | | | **** | | | **** | | | |
| Green/Cycle: | 0.28 | 0.00 | 0.28 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.49 | 0.49 | | 0.13 | 0.63 | 0.00 | |
| Volume/Cap: | 0.11 | 0.00 | 0.16 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.76 | 0.13 | | 0.76 | 0.42 | 0.00 | |
| Delay/Veh: | 32.6 | 0.0 | 33.2 | | 0.0 | 0.0 | 0.0 | | 0.0 | 25.5 | 16.5 | | 63.6 | 11.5 | 0.0 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 32.6 | 0.0 | 33.2 | | 0.0 | 0.0 | 0.0 | | 0.0 | 25.5 | 16.5 | | 63.6 | 11.5 | 0.0 | |
| LOS by Move: | C | A | C | | A | A | A | | A | C | B | | E | B | A | |
| HCM2kAvgQ: | 1 | 0 | 2 | | 0 | 0 | 0 | | 0 | 22 | 2 | | 8 | 9 | 0 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.428
Loss Time (sec): 16 | Average Delay (sec/veh): 34.7
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 221 | 12 | 20 | 69 | 9 | 304 | 204 | 1585 | 181 | 15 | 1489 | 44 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 221 | 12 | 20 | 69 | 9 | 304 | 204 | 1585 | 181 | 15 | 1489 | 44 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 233 | 13 | 21 | 73 | 9 | 320 | 215 | 1668 | 191 | 16 | 1567 | 46 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 233 | 13 | 21 | 73 | 9 | 320 | 215 | 1668 | 191 | 16 | 1567 | 46 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 233 | 13 | 21 | 73 | 9 | 320 | 215 | 1668 | 191 | 16 | 1567 | 46 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.91 | 0.91 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.38 | 0.62 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 646 | 1076 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.13 | 0.02 | 0.02 | 0.02 | 0.00 | 0.20 | 0.06 | 0.32 | 0.12 | 0.01 | 0.30 | 0.03 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.28 | 0.28 | 0.08 | 0.18 | 0.29 | 0.11 | 0.43 | 0.43 | 0.08 | 0.40 | 0.40 |
| Volume/Cap: | 0.74 | 0.07 | 0.07 | 0.25 | 0.03 | 0.67 | 0.56 | 0.76 | 0.28 | 0.10 | 0.76 | 0.07 |
| Delay/Veh: | 56.1 | 32.2 | 32.2 | 51.9 | 40.1 | 41.0 | 52.5 | 30.8 | 22.7 | 51.2 | 32.8 | 22.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 56.1 | 32.2 | 32.2 | 51.9 | 40.1 | 41.0 | 52.5 | 30.8 | 22.7 | 51.2 | 32.8 | 22.4 |
| LOS by Move: | E | C | C | D | D | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 10 | 1 | 1 | 1 | 0 | 11 | 5 | 20 | 5 | 1 | 19 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.765
Loss Time (sec): 16 | Average Delay (sec/veh): 45.2
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 404 | 40 | 205 | 165 | 70 | 170 | 78 | 1200 | 745 | 221 | 1717 | 108 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 404 | 40 | 205 | 165 | 70 | 170 | 78 | 1200 | 745 | 221 | 1717 | 108 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 425 | 42 | 216 | 174 | 74 | 179 | 82 | 1263 | 784 | 233 | 1807 | 114 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 425 | 42 | 216 | 174 | 74 | 179 | 82 | 1263 | 784 | 233 | 1807 | 114 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 425 | 42 | 216 | 174 | 74 | 179 | 82 | 1263 | 784 | 233 | 1807 | 114 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.01 | 0.13 | 0.05 | 0.02 | 0.11 | 0.02 | 0.24 | 0.49 | 0.07 | 0.35 | 0.07 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.13 | 0.31 | 0.31 | 0.09 | 0.28 | 0.28 | 0.09 | 0.38 | 0.51 | 0.08 | 0.37 | 0.37 |
| Volume/Cap: | 0.96 | 0.04 | 0.43 | 0.53 | 0.07 | 0.40 | 0.26 | 0.64 | 0.96 | 0.80 | 0.93 | 0.19 |
| Delay/Veh: | 83.4 | 29.0 | 33.7 | 53.5 | 32.2 | 36.1 | 51.4 | 31.1 | 49.4 | 68.2 | 44.5 | 25.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 83.4 | 29.0 | 33.7 | 53.5 | 32.2 | 36.1 | 51.4 | 31.1 | 49.4 | 68.2 | 44.5 | 25.4 |
| LOS by Move: | F | C | C | D | C | D | D | C | D | E | D | C |
| HCM2kAvgQ: | 12 | 1 | 6 | 4 | 1 | 6 | 2 | 14 | 33 | 6 | 28 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.748
Loss Time (sec): 16 | Average Delay (sec/veh): 37.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 393 | 112 | 93 | 207 | 311 | 355 | 135 | 997 | 304 | 131 | 992 | 64 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 393 | 112 | 93 | 207 | 311 | 355 | 135 | 997 | 304 | 131 | 992 | 64 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 414 | 118 | 98 | 218 | 327 | 374 | 142 | 1049 | 320 | 138 | 1044 | 67 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 414 | 118 | 98 | 218 | 327 | 374 | 142 | 1049 | 320 | 138 | 1044 | 67 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 414 | 118 | 98 | 218 | 327 | 374 | 142 | 1049 | 320 | 138 | 1044 | 67 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.06 | 0.06 | 0.06 | 0.09 | 0.23 | 0.04 | 0.20 | 0.20 | 0.08 | 0.20 | 0.04 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.13 | 0.35 | 0.35 | 0.11 | 0.33 | 0.33 | 0.10 | 0.28 | 0.28 | 0.10 | 0.28 | 0.28 |
| Volume/Cap: | 0.91 | 0.18 | 0.17 | 0.58 | 0.27 | 0.70 | 0.41 | 0.72 | 0.71 | 0.76 | 0.72 | 0.15 |
| Delay/Veh: | 64.8 | 22.4 | 22.4 | 44.8 | 24.8 | 33.4 | 43.0 | 34.3 | 37.4 | 61.3 | 34.2 | 27.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 64.8 | 22.4 | 22.4 | 44.8 | 24.8 | 33.4 | 43.0 | 34.3 | 37.4 | 61.3 | 34.2 | 27.2 |
| LOS by Move: | E | C | C | D | C | C | D | C | D | E | C | C |
| HCM2kAvgQ: | 10 | 2 | 2 | 4 | 4 | 11 | 3 | 12 | 10 | 6 | 12 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.047
Loss Time (sec): 16 | Average Delay (sec/veh): 61.3
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 565 | 546 | 866 | 367 | 678 | 170 | 197 | 1528 | 391 | 501 | 1705 | 177 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 565 | 546 | 866 | 367 | 678 | 170 | 197 | 1528 | 391 | 501 | 1705 | 177 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.11 | 0.56 | 0.11 | 0.14 | 0.11 | 0.06 | 0.23 | 0.25 | 0.15 | 0.26 | 0.12 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.18 | 0.36 | 0.49 | 0.10 | 0.28 | 0.28 | 0.09 | 0.28 | 0.45 | 0.13 | 0.31 | 0.31 |
| Volume/Cap: | 0.97 | 0.31 | 1.14 | 1.14 | 0.48 | 0.39 | 0.63 | 0.85 | 0.57 | 1.14 | 0.83 | 0.37 |
| Delay/Veh: | 77.4 | 27.5 | 108.3 | 146.8 | 35.9 | 35.1 | 56.0 | 44.8 | 25.4 | 138.4 | 41.2 | 32.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 77.4 | 27.5 | 108.3 | 146.8 | 35.9 | 35.1 | 56.0 | 44.8 | 25.4 | 138.4 | 41.2 | 32.5 |
| LOS by Move: | E | C | F | F | D | D | E | D | C | F | D | C |
| HCM2kAvgQ: | 16 | 5 | 50 | 13 | 8 | 5 | 5 | 18 | 11 | 17 | 19 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.264
Loss Time (sec): 16 | Average Delay (sec/veh): 94.8
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 177 | 666 | 40 | 591 | 660 | 426 | 627 | 679 | 154 | 17 | 787 | 1157 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 177 | 666 | 40 | 591 | 660 | 426 | 627 | 679 | 154 | 17 | 787 | 1157 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.14 | 0.03 | 0.18 | 0.13 | 0.28 | 0.19 | 0.14 | 0.10 | 0.01 | 0.16 | 0.75 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.08 | 0.16 | 0.16 | 0.21 | 0.29 | 0.29 | 0.12 | 0.38 | 0.38 | 0.11 | 0.37 | 0.58 |
| Volume/Cap: | 0.64 | 0.83 | 0.16 | 0.83 | 0.46 | 0.95 | 1.56 | 0.37 | 0.27 | 0.04 | 0.43 | 1.29 |
| Delay/Veh: | 57.9 | 55.9 | 43.6 | 53.2 | 35.0 | 71.2 | 314.2 | 27.1 | 26.1 | 47.4 | 28.4 | 164.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.9 | 55.9 | 43.6 | 53.2 | 35.0 | 71.2 | 314.2 | 27.1 | 26.1 | 47.4 | 28.4 | 164.5 |
| LOS by Move: | E | E | D | D | C | E | F | C | C | D | C | F |
| HCM2kAvgQ: | 5 | 12 | 1 | 14 | 8 | 21 | 29 | 7 | 4 | 0 | 8 | 79 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.676
Loss Time (sec): 16 | Average Delay (sec/veh): 39.2
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 163 | 350 | 161 | 106 | 489 | 737 | 760 | 510 | 209 | 301 | 816 | 170 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 163 | 350 | 161 | 106 | 489 | 737 | 760 | 510 | 209 | 301 | 816 | 170 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 172 | 368 | 169 | 112 | 515 | 776 | 800 | 537 | 220 | 317 | 859 | 179 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 172 | 368 | 169 | 112 | 515 | 776 | 800 | 537 | 220 | 317 | 859 | 179 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 172 | 368 | 169 | 112 | 515 | 776 | 800 | 537 | 220 | 317 | 859 | 179 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.10 | 0.10 | 0.03 | 0.14 | 0.48 | 0.23 | 0.10 | 0.14 | 0.09 | 0.17 | 0.11 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.42 | 0.08 | 0.28 | 0.55 | 0.28 | 0.37 | 0.37 | 0.14 | 0.23 | 0.23 |
| Volume/Cap: | 0.59 | 0.37 | 0.25 | 0.38 | 0.52 | 0.87 | 0.83 | 0.28 | 0.37 | 0.64 | 0.71 | 0.47 |
| Delay/Veh: | 56.1 | 35.4 | 23.0 | 52.9 | 37.3 | 32.9 | 47.1 | 27.0 | 28.3 | 51.3 | 44.2 | 40.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 56.1 | 35.4 | 23.0 | 52.9 | 37.3 | 32.9 | 47.1 | 27.0 | 28.3 | 51.3 | 44.2 | 40.6 |
| LOS by Move: | E | D | C | D | D | C | D | C | C | D | D | D |
| HCM2kAvgQ: | 4 | 6 | 4 | 2 | 9 | 27 | 17 | 5 | 6 | 7 | 12 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 90 | Critical Vol./Cap.(X): | 0.540 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 29.6 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 135 | 315 | 247 | 77 | 515 | 351 | 152 | 209 | 57 | 294 | 441 | 87 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 135 | 315 | 247 | 77 | 515 | 351 | 152 | 209 | 57 | 294 | 441 | 87 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 142 | 332 | 260 | 81 | 542 | 369 | 160 | 220 | 60 | 309 | 464 | 92 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 142 | 332 | 260 | 81 | 542 | 369 | 160 | 220 | 60 | 309 | 464 | 92 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 142 | 332 | 260 | 81 | 542 | 369 | 160 | 220 | 60 | 309 | 464 | 92 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.09 | 0.16 | 0.02 | 0.15 | 0.23 | 0.05 | 0.06 | 0.04 | 0.09 | 0.13 | 0.06 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.29 | 0.29 | 0.12 | 0.30 | 0.30 | 0.11 | 0.21 | 0.21 | 0.21 | 0.30 | 0.30 |
| Volume/Cap: | 0.37 | 0.32 | 0.55 | 0.19 | 0.50 | 0.76 | 0.41 | 0.30 | 0.18 | 0.43 | 0.43 | 0.19 |
| Delay/Veh: | 37.6 | 25.1 | 28.5 | 35.8 | 26.3 | 35.6 | 38.0 | 30.5 | 29.8 | 31.6 | 25.6 | 23.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 37.6 | 25.1 | 28.5 | 35.8 | 26.3 | 35.6 | 38.0 | 30.5 | 29.8 | 31.6 | 25.6 | 23.6 |
| LOS by Move: | D | C | C | D | C | D | D | C | C | C | C | C |
| HCM2kAvgQ: | 2 | 4 | 7 | 1 | 7 | 11 | 3 | 3 | 1 | 4 | 6 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.563
Loss Time (sec): 16 Average Delay (sec/veh): 30.0
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 353 | 443 | 142 | 20 | 469 | 273 | 38 | 121 | 242 | 71 | 242 | 8 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 353 | 443 | 142 | 20 | 469 | 273 | 38 | 121 | 242 | 71 | 242 | 8 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 372 | 466 | 149 | 21 | 494 | 287 | 40 | 127 | 255 | 75 | 255 | 8 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 372 | 466 | 149 | 21 | 494 | 287 | 40 | 127 | 255 | 75 | 255 | 8 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 372 | 466 | 149 | 21 | 494 | 287 | 40 | 127 | 255 | 75 | 255 | 8 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.13 | 0.09 | 0.01 | 0.14 | 0.18 | 0.01 | 0.04 | 0.16 | 0.02 | 0.07 | 0.01 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.14 | 0.29 | 0.29 | 0.12 | 0.27 | 0.27 | 0.11 | 0.30 | 0.30 | 0.11 | 0.30 | 0.30 |
| Volume/Cap: | 0.73 | 0.45 | 0.32 | 0.05 | 0.51 | 0.67 | 0.10 | 0.12 | 0.53 | 0.19 | 0.24 | 0.02 |
| Delay/Veh: | 42.4 | 26.3 | 25.4 | 35.0 | 28.5 | 33.4 | 36.1 | 22.9 | 27.2 | 36.6 | 23.8 | 22.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 42.4 | 26.3 | 25.4 | 35.0 | 28.5 | 33.4 | 36.1 | 22.9 | 27.2 | 36.6 | 23.8 | 22.2 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 7 | 6 | 3 | 0 | 7 | 8 | 1 | 1 | 6 | 1 | 3 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.562
Loss Time (sec): 16 | Average Delay (sec/veh): 35.0
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 328 | 463 | 479 | 254 | 373 | 143 | 111 | 717 | 92 | 295 | 769 | 356 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 328 | 463 | 479 | 254 | 373 | 143 | 111 | 717 | 92 | 295 | 769 | 356 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 345 | 486 | 503 | 267 | 392 | 150 | 117 | 753 | 97 | 310 | 808 | 374 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 345 | 486 | 503 | 267 | 392 | 150 | 117 | 753 | 97 | 310 | 808 | 374 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 345 | 486 | 503 | 267 | 392 | 150 | 117 | 753 | 97 | 310 | 808 | 374 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.13 | 0.31 | 0.08 | 0.11 | 0.09 | 0.03 | 0.15 | 0.06 | 0.09 | 0.16 | 0.23 |
| Crit Moves: | **** | | | | **** | | **** | | | | | **** |
| Green/Cycle: | 0.12 | 0.31 | 0.42 | 0.14 | 0.33 | 0.33 | 0.10 | 0.28 | 0.28 | 0.10 | 0.29 | 0.29 |
| Volume/Cap: | 0.80 | 0.43 | 0.75 | 0.54 | 0.33 | 0.28 | 0.33 | 0.51 | 0.21 | 0.84 | 0.54 | 0.80 |
| Delay/Veh: | 53.4 | 27.6 | 29.3 | 41.3 | 25.3 | 25.0 | 42.5 | 30.4 | 27.6 | 60.2 | 30.5 | 42.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.4 | 27.6 | 29.3 | 41.3 | 25.3 | 25.0 | 42.5 | 30.4 | 27.6 | 60.2 | 30.5 | 42.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | E | C | D |
| HCM2kAvgQ: | 8 | 6 | 14 | 5 | 5 | 3 | 2 | 7 | 2 | 7 | 8 | 13 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.313
Loss Time (sec): 12 | Average Delay (sec/veh): 20.6
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 37 | 0 | 214 | 168 | 578 | 0 | 0 | 1007 | 22 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 37 | 0 | 214 | 168 | 578 | 0 | 0 | 1007 | 22 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1060 | 23 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1060 | 23 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1060 | 23 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.87 | 1.00 | 0.87 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 1.85 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1888 | 0 | 3048 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.05 | 0.12 | 0.00 | 0.00 | 0.20 | 0.01 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.35 | 0.11 | 0.53 | 0.00 | 0.00 | 0.43 | 0.43 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.21 | 0.48 | 0.22 | 0.00 | 0.00 | 0.48 | 0.03 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 21.6 | 0.0 | 22.9 | 43.2 | 12.6 | 0.0 | 0.0 | 20.9 | 16.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 21.6 | 0.0 | 22.9 | 43.2 | 12.6 | 0.0 | 0.0 | 20.9 | 16.8 |
| LOS by Move: | A | A | A | C | A | C | D | B | A | A | C | B |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 4 | 0 | 0 | 9 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.704
Loss Time (sec): 16 Average Delay (sec/veh): 42.4
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Ovl | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 33 | 33 | | 10 | 24 | 24 | | 10 | 24 | 24 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 4 | 0 | 1 | 2 | 0 4 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 485 | 130 | 153 | | 251 | 128 | 114 | | 181 | 1416 | 721 | | 218 | 1907 | 137 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 485 | 130 | 153 | | 251 | 128 | 114 | | 181 | 1416 | 721 | | 218 | 1907 | 137 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 511 | 137 | 161 | | 264 | 135 | 120 | | 191 | 1491 | 759 | | 229 | 2007 | 144 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 511 | 137 | 161 | | 264 | 135 | 120 | | 191 | 1491 | 759 | | 229 | 2007 | 144 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 511 | 137 | 161 | | 264 | 135 | 120 | | 191 | 1491 | 759 | | 229 | 2007 | 144 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 4.00 | 1.00 | | 2.00 | 4.00 | 1.00 | |
| Final Sat.: | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 6916 | 1615 | | 3502 | 6916 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.10 | | 0.08 | 0.04 | 0.07 | | 0.05 | 0.22 | 0.47 | | 0.07 | 0.29 | 0.09 | |
| Crit Moves: | **** | | | | | | **** | | | | **** | | **** | | | |
| Green/Cycle: | 0.16 | 0.24 | 0.24 | | 0.20 | 0.28 | 0.28 | | 0.10 | 0.35 | 0.51 | | 0.08 | 0.34 | 0.34 | |
| Volume/Cap: | 0.92 | 0.16 | 0.42 | | 0.38 | 0.14 | 0.27 | | 0.56 | 0.61 | 0.92 | | 0.79 | 0.86 | 0.26 | |
| Delay/Veh: | 71.3 | 36.5 | 39.7 | | 42.2 | 32.8 | 34.4 | | 53.9 | 32.7 | 43.4 | | 67.1 | 40.7 | 29.2 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 71.3 | 36.5 | 39.7 | | 42.2 | 32.8 | 34.4 | | 53.9 | 32.7 | 43.4 | | 67.1 | 40.7 | 29.2 | |
| LOS by Move: | E | D | D | | D | C | C | | D | C | D | | E | D | C | |
| HCM2kAvgQ: | 13 | 2 | 5 | | 5 | 2 | 3 | | 4 | 13 | 30 | | 6 | 22 | 4 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.397
Loss Time (sec): 16 | Average Delay (sec/veh): 30.1
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 89 | 1 | 2 | 4 | 5 | 71 | 19 | 1334 | 114 | 2 | 1170 | 1 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 89 | 1 | 2 | 4 | 5 | 71 | 19 | 1334 | 114 | 2 | 1170 | 1 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 94 | 1 | 2 | 4 | 5 | 75 | 20 | 1404 | 120 | 2 | 1232 | 1 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 94 | 1 | 2 | 4 | 5 | 75 | 20 | 1404 | 120 | 2 | 1232 | 1 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 94 | 1 | 2 | 4 | 5 | 75 | 20 | 1404 | 120 | 2 | 1232 | 1 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.01 | 0.27 | 0.07 | 0.00 | 0.24 | 0.00 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.13 | 0.43 | 0.43 | 0.08 | 0.38 | 0.38 |
| Volume/Cap: | 0.32 | 0.00 | 0.00 | 0.01 | 0.01 | 0.17 | 0.04 | 0.64 | 0.17 | 0.01 | 0.63 | 0.00 |
| Delay/Veh: | 52.4 | 31.5 | 31.6 | 50.5 | 31.6 | 33.2 | 45.5 | 27.8 | 21.6 | 50.5 | 31.3 | 23.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.4 | 31.5 | 31.6 | 50.5 | 31.6 | 33.2 | 45.5 | 27.8 | 21.6 | 50.5 | 31.3 | 23.4 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 3 | 0 | 14 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.661
Loss Time (sec): 16 | Average Delay (sec/veh): 39.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Ovl | | | |
| Min. Green: | 10 | 10 | 10 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 3 | 0 | 1 | 1 | 0 | 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 9 | 2 | 17 | 387 | 3 | 146 | 329 | 1207 | 9 | 34 | 987 | 751 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 9 | 2 | 17 | 387 | 3 | 146 | 329 | 1207 | 9 | 34 | 987 | 751 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | | |
| PHF Volume: | 9 | 2 | 18 | 407 | 3 | 154 | 346 | 1271 | 9 | 36 | 1039 | 791 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 9 | 2 | 18 | 407 | 3 | 154 | 346 | 1271 | 9 | 36 | 1039 | 791 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 9 | 2 | 18 | 407 | 3 | 154 | 346 | 1271 | 9 | 36 | 1039 | 791 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 | | | | |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 | | | | |
| Final Sat.: | 1805 | 173 | 1472 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.10 | 0.10 | 0.24 | 0.01 | 0.02 | 0.20 | 0.49 | | | | |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** | | | | |
| Green/Cycle: | 0.08 | 0.17 | 0.17 | 0.24 | 0.33 | 0.33 | 0.10 | 0.34 | 0.34 | 0.12 | 0.36 | 0.60 | | | | |
| Volume/Cap: | 0.06 | 0.07 | 0.07 | 0.49 | 0.01 | 0.29 | 1.03 | 0.72 | 0.02 | 0.17 | 0.55 | 0.82 | | | | |
| Delay/Veh: | 50.9 | 41.9 | 41.9 | 39.9 | 27.4 | 30.5 | 111.2 | 35.8 | 26.1 | 48.2 | 30.9 | 24.2 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 50.9 | 41.9 | 41.9 | 39.9 | 27.4 | 30.5 | 111.2 | 35.8 | 26.1 | 48.2 | 30.9 | 24.2 | | | | |
| LOS by Move: | D | D | D | D | C | C | F | D | C | D | C | C | | | | |
| HCM2kAvgQ: | 0 | 1 | 1 | 7 | 0 | 4 | 11 | 16 | 0 | 1 | 11 | 24 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.537
Loss Time (sec): 16 | Average Delay (sec/veh): 42.7
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 18 | 127 | 690 | 315 | 208 | 92 | 87 | 640 | 48 | 897 | 1185 | 495 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 18 | 127 | 690 | 315 | 208 | 92 | 87 | 640 | 48 | 897 | 1185 | 495 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 19 | 134 | 726 | 332 | 219 | 97 | 92 | 674 | 51 | 944 | 1247 | 521 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 19 | 134 | 726 | 332 | 219 | 97 | 92 | 674 | 51 | 944 | 1247 | 521 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 19 | 134 | 726 | 332 | 219 | 97 | 92 | 674 | 51 | 944 | 1247 | 521 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.04 | 0.45 | 0.09 | 0.06 | 0.06 | 0.03 | 0.13 | 0.03 | 0.27 | 0.24 | 0.32 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.24 | 0.52 | 0.13 | 0.28 | 0.39 | 0.10 | 0.23 | 0.23 | 0.28 | 0.40 | 0.40 |
| Volume/Cap: | 0.06 | 0.15 | 0.87 | 0.75 | 0.21 | 0.16 | 0.25 | 0.58 | 0.14 | 0.98 | 0.61 | 0.81 |
| Delay/Veh: | 50.8 | 36.0 | 35.7 | 57.6 | 32.9 | 24.2 | 50.0 | 42.1 | 37.4 | 67.4 | 29.2 | 39.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.8 | 36.0 | 35.7 | 57.6 | 32.9 | 24.2 | 50.0 | 42.1 | 37.4 | 67.4 | 29.2 | 39.9 |
| LOS by Move: | D | D | D | E | C | C | D | D | D | E | C | D |
| HCM2kAvgQ: | 0 | 2 | 26 | 8 | 3 | 2 | 2 | 9 | 2 | 23 | 14 | 19 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.717 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 49.2 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 56 | 213 | 197 | 87 | 78 | 3 | 23 | 1806 | 75 | 263 | 2222 | 184 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 56 | 213 | 197 | 87 | 78 | 3 | 23 | 1806 | 75 | 263 | 2222 | 184 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 57 | 219 | 202 | 89 | 80 | 3 | 24 | 1854 | 77 | 270 | 2281 | 189 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 57 | 219 | 202 | 89 | 80 | 3 | 24 | 1854 | 77 | 270 | 2281 | 189 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 57 | 219 | 202 | 89 | 80 | 3 | 24 | 1854 | 77 | 270 | 2281 | 189 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.06 | 0.13 | 0.05 | 0.02 | 0.00 | 0.01 | 0.36 | 0.05 | 0.08 | 0.44 | 0.12 |
| Crit Moves: | | | **** | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.08 | 0.41 | 0.41 | 0.10 | 0.43 | 0.43 |
| Volume/Cap: | 0.38 | 0.22 | 0.46 | 0.59 | 0.08 | 0.01 | 0.08 | 0.87 | 0.12 | 0.80 | 1.03 | 0.28 |
| Delay/Veh: | 53.7 | 33.7 | 36.8 | 59.3 | 32.3 | 31.6 | 50.9 | 36.3 | 21.8 | 66.1 | 63.4 | 22.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.7 | 33.7 | 36.8 | 59.3 | 32.3 | 31.6 | 50.9 | 36.3 | 21.8 | 66.1 | 63.4 | 22.7 |
| LOS by Move: | D | C | D | E | C | C | D | D | C | E | E | C |
| HCM2kAvgQ: | 2 | 3 | 6 | 4 | 1 | 0 | 0 | 25 | 2 | 7 | 40 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.464
Loss Time (sec): 16 Average Delay (sec/veh): 26.6
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 2 | 207 | 241 | 130 | 182 | 53 | 43 | 254 | 13 | 239 | 301 | 160 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 2 | 207 | 241 | 130 | 182 | 53 | 43 | 254 | 13 | 239 | 301 | 160 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 2 | 215 | 250 | 135 | 189 | 55 | 45 | 263 | 13 | 248 | 312 | 166 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 2 | 215 | 250 | 135 | 189 | 55 | 45 | 263 | 13 | 248 | 312 | 166 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 2 | 215 | 250 | 135 | 189 | 55 | 45 | 263 | 13 | 248 | 312 | 166 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.06 | 0.15 | 0.07 | 0.05 | 0.03 | 0.01 | 0.07 | 0.01 | 0.07 | 0.09 | 0.10 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.01 | 0.20 | 0.51 | 0.61 | 0.17 | 0.11 | 0.10 | 0.28 | 0.03 | 0.58 | 0.34 | 0.40 |
| Delay/Veh: | 31.7 | 21.2 | 24.3 | 39.2 | 21.0 | 20.6 | 32.1 | 24.6 | 22.9 | 36.0 | 25.1 | 25.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.7 | 21.2 | 24.3 | 39.2 | 21.0 | 20.6 | 32.1 | 24.6 | 22.9 | 36.0 | 25.1 | 25.9 |
| LOS by Move: | C | C | C | D | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 6 | 4 | 2 | 1 | 1 | 3 | 0 | 4 | 4 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

Cycle (sec): 85 Critical Vol./Cap.(X): 0.215
Loss Time (sec): 16 Average Delay (sec/veh): 24.1
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 14 | 399 | 49 | 20 | 315 | 18 | 28 | 46 | 6 | 56 | 78 | 22 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 14 | 399 | 49 | 20 | 315 | 18 | 28 | 46 | 6 | 56 | 78 | 22 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 15 | 420 | 52 | 21 | 332 | 19 | 29 | 48 | 6 | 59 | 82 | 23 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 15 | 420 | 52 | 21 | 332 | 19 | 29 | 48 | 6 | 59 | 82 | 23 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 15 | 420 | 52 | 21 | 332 | 19 | 29 | 48 | 6 | 59 | 82 | 23 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.93 | 0.93 | 0.95 | 0.92 | 0.92 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.77 | 0.23 | 1.00 | 1.56 | 0.44 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 3139 | 409 | 1805 | 2723 | 768 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.12 | 0.03 | 0.01 | 0.09 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.14 | 0.32 | 0.32 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.06 | 0.37 | 0.10 | 0.10 | 0.31 | 0.04 | 0.14 | 0.06 | 0.06 | 0.28 | 0.12 | 0.12 |
| Delay/Veh: | 32.1 | 22.6 | 20.5 | 33.7 | 23.1 | 21.1 | 33.9 | 23.7 | 23.7 | 34.9 | 24.1 | 24.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 32.1 | 22.6 | 20.5 | 33.7 | 23.1 | 21.1 | 33.9 | 23.7 | 23.7 | 34.9 | 24.1 | 24.1 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 5 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 2 | 1 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.750 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 49.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Ovl | | | | Include | | | | Ovl | | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 29 | 29 | 10 | 29 | 29 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 2 | 0 2 | 0 1 | 2 | 0 2 | 0 1 | 2 | 0 3 | 0 1 | 2 | 0 3 | 0 1 | | | | |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 140 | 227 | 83 | 752 | 185 | 496 | 656 | 1025 | 45 | 80 | 1433 | 937 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 140 | 227 | 83 | 752 | 185 | 496 | 656 | 1025 | 45 | 80 | 1433 | 937 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | | | | |
| PHF Volume: | 141 | 229 | 84 | 759 | 187 | 501 | 662 | 1034 | 45 | 81 | 1446 | 946 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 141 | 229 | 84 | 759 | 187 | 501 | 662 | 1034 | 45 | 81 | 1446 | 946 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 141 | 229 | 84 | 759 | 187 | 501 | 662 | 1034 | 45 | 81 | 1446 | 946 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | | | | |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | | | | |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.06 | 0.05 | 0.22 | 0.05 | 0.31 | 0.19 | 0.20 | 0.03 | 0.02 | 0.28 | 0.59 | | | | |
| Crit Moves: | **** | | | | **** | | **** | | | | | **** | | | | |
| Green/Cycle: | 0.08 | 0.10 | 0.10 | 0.26 | 0.28 | 0.45 | 0.17 | 0.37 | 0.37 | 0.13 | 0.33 | 0.60 | | | | |
| Volume/Cap: | 0.48 | 0.62 | 0.51 | 0.82 | 0.18 | 0.68 | 1.12 | 0.54 | 0.08 | 0.18 | 0.84 | 0.98 | | | | |
| Delay/Veh: | 53.8 | 55.0 | 53.7 | 47.2 | 32.6 | 28.7 | 122.7 | 29.9 | 24.4 | 46.9 | 41.3 | 48.6 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 53.8 | 55.0 | 53.7 | 47.2 | 32.6 | 28.7 | 122.7 | 29.9 | 24.4 | 46.9 | 41.3 | 48.6 | | | | |
| LOS by Move: | D | D | D | D | C | C | F | C | C | D | D | D | | | | |
| HCM2kAvgQ: | 3 | 5 | 4 | 16 | 3 | 15 | 20 | 11 | 1 | 1 | 20 | 41 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.685
Loss Time (sec): 12 Average Delay (sec/veh): 31.3
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 1 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 194 | 0 | 383 | 644 | 1276 | 0 | 0 | 1797 | 236 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 194 | 0 | 383 | 644 | 1276 | 0 | 0 | 1797 | 236 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 204 | 0 | 403 | 678 | 1343 | 0 | 0 | 1892 | 248 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 204 | 0 | 403 | 678 | 1343 | 0 | 0 | 1892 | 248 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 204 | 0 | 403 | 678 | 1343 | 0 | 0 | 1892 | 248 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.25 | 0.19 | 0.26 | 0.00 | 0.00 | 0.36 | 0.15 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.49 | 0.22 | 0.63 | 0.00 | 0.00 | 0.41 | 0.41 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.51 | 0.89 | 0.41 | 0.00 | 0.00 | 0.89 | 0.38 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 33.6 | 0.0 | 21.2 | 58.6 | 11.5 | 0.0 | 0.0 | 38.4 | 25.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 33.6 | 0.0 | 21.2 | 58.6 | 11.5 | 0.0 | 0.0 | 38.4 | 25.2 |
| LOS by Move: | A | A | A | C | A | C | E | B | A | A | D | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 3 | 0 | 10 | 16 | 9 | 0 | 0 | 27 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.365
Loss Time (sec): 16 | Average Delay (sec/veh): 165.0
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Ovl | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 1 | | 1 | 0 2 | 0 1 | | 2 | 0 2 | 0 1 | | 2 | 0 2 | 0 1 | |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 125 | 80 | 916 | | 295 | 92 | 53 | | 70 | 1427 | 105 | | 763 | 1498 | 93 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 125 | 80 | 916 | | 295 | 92 | 53 | | 70 | 1427 | 105 | | 763 | 1498 | 93 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 131 | 84 | 962 | | 310 | 97 | 56 | | 74 | 1499 | 110 | | 801 | 1574 | 98 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 131 | 84 | 962 | | 310 | 97 | 56 | | 74 | 1499 | 110 | | 801 | 1574 | 98 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 131 | 84 | 962 | | 310 | 97 | 56 | | 74 | 1499 | 110 | | 801 | 1574 | 98 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.85 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 1.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 1615 | | 1805 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.02 | 0.60 | | 0.17 | 0.03 | 0.03 | | 0.02 | 0.42 | 0.07 | | 0.23 | 0.44 | 0.06 | |
| Crit Moves: | | | **** | | **** | | | | | **** | | | **** | | | |
| Green/Cycle: | 0.11 | 0.27 | 0.44 | | 0.13 | 0.29 | 0.29 | | 0.08 | 0.30 | 0.30 | | 0.17 | 0.39 | 0.39 | |
| Volume/Cap: | 0.66 | 0.09 | 1.36 | | 1.36 | 0.09 | 0.12 | | 0.25 | 1.36 | 0.22 | | 1.36 | 1.12 | 0.16 | |
| Delay/Veh: | 59.5 | 32.9 | 206.9 | | 242.2 | 31.6 | 31.9 | | 52.0 | 212 | 31.4 | | 224.8 | 101 | 24.0 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 59.5 | 32.9 | 206.9 | | 242.2 | 31.6 | 31.9 | | 52.0 | 212 | 31.4 | | 224.8 | 101 | 24.0 | |
| LOS by Move: | E | C | F | | F | C | C | | D | F | C | | F | F | C | |
| HCM2kAvgQ: | 6 | 1 | 68 | | 24 | 1 | 2 | | 2 | 56 | 3 | | 31 | 45 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 70 Critical Vol./Cap.(X): 0.365
Loss Time (sec): 12 Average Delay (sec/veh): 15.0
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | | L | T | R | | L | T | R | | L | T | R | |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 155 | 824 | 0 | 0 | 575 | 77 | 81 | 0 | 79 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 155 | 824 | 0 | 0 | 575 | 77 | 81 | 0 | 79 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | | | | |
| PHF Volume: | 162 | 860 | 0 | 0 | 600 | 80 | 85 | 0 | 82 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 162 | 860 | 0 | 0 | 600 | 80 | 85 | 0 | 82 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 162 | 860 | 0 | 0 | 600 | 80 | 85 | 0 | 82 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.24 | 0.00 | 0.00 | 0.17 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | **** | | | | | | | | | |
| Green/Cycle: | 0.16 | 0.53 | 0.00 | 0.00 | 0.37 | 0.37 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.57 | 0.45 | 0.00 | 0.00 | 0.45 | 0.13 | 0.16 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 30.1 | 10.4 | 0.0 | 0.0 | 16.8 | 14.7 | 18.1 | 0.0 | 18.2 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 30.1 | 10.4 | 0.0 | 0.0 | 16.8 | 14.7 | 18.1 | 0.0 | 18.2 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | B | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 4 | 6 | 0 | 0 | 5 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.710
Loss Time (sec): 16 | Average Delay (sec/veh): 41.9
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 320 | 297 | 240 | 378 | 298 | 200 | 200 | 1173 | 155 | 237 | 1650 | 353 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 320 | 297 | 240 | 378 | 298 | 200 | 200 | 1173 | 155 | 237 | 1650 | 353 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 333 | 309 | 250 | 394 | 310 | 208 | 208 | 1222 | 161 | 247 | 1719 | 368 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 333 | 309 | 250 | 394 | 310 | 208 | 208 | 1222 | 161 | 247 | 1719 | 368 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 333 | 309 | 250 | 394 | 310 | 208 | 208 | 1222 | 161 | 247 | 1719 | 368 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.09 | 0.15 | 0.22 | 0.09 | 0.13 | 0.06 | 0.24 | 0.10 | 0.07 | 0.33 | 0.23 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.11 | 0.23 | 0.29 | 0.29 | 0.29 | 0.08 | 0.34 | 0.34 | 0.12 | 0.38 | 0.38 |
| Volume/Cap: | 0.87 | 0.76 | 0.66 | 0.76 | 0.29 | 0.44 | 0.71 | 0.69 | 0.29 | 0.58 | 0.87 | 0.60 |
| Delay/Veh: | 71.0 | 59.5 | 45.8 | 45.2 | 33.1 | 35.2 | 61.7 | 34.9 | 29.0 | 51.8 | 38.6 | 31.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 71.0 | 59.5 | 45.8 | 45.2 | 33.1 | 35.2 | 61.7 | 34.9 | 29.0 | 51.8 | 38.6 | 31.3 |
| LOS by Move: | E | E | D | D | C | D | E | C | C | D | D | C |
| HCM2kAvgQ: | 9 | 8 | 9 | 15 | 5 | 6 | 5 | 15 | 4 | 5 | 24 | 11 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2084 | 482 | 0 | 2496 | 0 | 0 | 0 | 0 | 111 | 0 | 268 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 1.00 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6013 | 1265 | | 6408 | | | | | 3433 | | 2737 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6013 | 1265 | | 6408 | | | | | 3433 | | 2737 |
| Peak-hour factor, PHF | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Adj. Flow (vph) | 0 | 2171 | 502 | 0 | 2600 | 0 | 0 | 0 | 0 | 116 | 0 | 279 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lane Group Flow (vph) | 0 | 2218 | 452 | 0 | 2600 | 0 | 0 | 0 | 0 | 116 | 0 | 276 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 50.0 | 85.0 | | 50.0 | | | | | 23.0 | | 23.0 |
| Effective Green, g (s) | | 50.0 | 85.0 | | 50.0 | | | | | 23.0 | | 23.0 |
| Actuated g/C Ratio | | 0.59 | 1.00 | | 0.59 | | | | | 0.27 | | 0.27 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 3537 | 1265 | | 3769 | | | | | 929 | | 741 |
| v/s Ratio Prot | | 0.37 | | | c0.41 | | | | | | | |
| v/s Ratio Perm | | | c0.36 | | | | | | | 0.03 | | 0.10 |
| v/c Ratio | | 0.63 | 0.36 | | 0.69 | | | | | 0.12 | | 0.37 |
| Uniform Delay, d1 | | 11.4 | 0.0 | | 12.1 | | | | | 23.4 | | 25.1 |
| Progression Factor | | 1.00 | 1.00 | | 0.39 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 0.9 | 0.8 | | 0.8 | | | | | 0.3 | | 1.4 |
| Delay (s) | | 12.3 | 0.8 | | 5.5 | | | | | 23.7 | | 26.6 |
| Level of Service | | B | A | | A | | | | | C | | C |
| Approach Delay (s) | | 10.3 | | | 5.5 | | | 0.0 | | | 25.7 | |
| Approach LOS | | B | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 9.2 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.57 | | |
| Actuated Cycle Length (s) | 85.0 | Sum of lost time (s) | 6.0 |
| Intersection Capacity Utilization | 64.5% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1991 | 647 | 621 | 1962 | 0 | 0 | 0 | 0 | 295 | 2 | 392 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 2032 | 660 | 634 | 2002 | 0 | 0 | 0 | 0 | 301 | 2 | 400 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Lane Group Flow (vph) | 0 | 2032 | 660 | 634 | 2002 | 0 | 0 | 0 | 0 | 0 | 303 | 389 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 50.2 | 120.0 | 22.5 | 77.2 | | | | | | 30.8 | 30.8 |
| Effective Green, g (s) | | 50.2 | 120.0 | 22.5 | 77.2 | | | | | | 30.8 | 30.8 |
| Actuated g/C Ratio | | 0.42 | 1.00 | 0.19 | 0.64 | | | | | | 0.26 | 0.26 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 2127 | 1562 | 644 | 3271 | | | | | | 456 | 399 |
| v/s Ratio Prot | | c0.40 | | c0.18 | 0.39 | | | | | | 0.17 | |
| v/s Ratio Perm | | | 0.42 | | | | | | | | | c0.25 |
| v/c Ratio | | 0.96 | 0.42 | 0.98 | 0.61 | | | | | | 0.66 | 0.97 |
| Uniform Delay, d1 | | 33.8 | 0.0 | 48.6 | 12.6 | | | | | | 40.0 | 44.2 |
| Progression Factor | | 1.34 | 1.00 | 0.54 | 0.35 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.5 | 0.1 | 17.3 | 0.3 | | | | | | 2.8 | 37.9 |
| Delay (s) | | 46.8 | 0.1 | 43.6 | 4.7 | | | | | | 42.8 | 82.1 |
| Level of Service | | D | A | D | A | | | | | | D | F |
| Approach Delay (s) | | 35.3 | | | 14.0 | | | 0.0 | | | 65.2 | |
| Approach LOS | | D | | | B | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 29.5 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.97 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 86.4% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.973
Loss Time (sec): 16 | Average Delay (sec/veh): 131.4
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.32 | 0.32 | 0.31 | 0.35 | 0.10 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.33 | 0.52 | 0.09 | 0.33 | 0.33 | 0.09 | 0.26 | 0.35 | 0.19 | 0.36 | 0.36 |
| Volume/Cap: | 1.63 | 0.11 | 0.79 | 0.93 | 0.15 | 0.21 | 0.28 | 1.22 | 0.90 | 1.63 | 0.97 | 0.29 |
| Delay/Veh: | 350.7 | 27.9 | 26.0 | 89.3 | 28.9 | 29.5 | 51.8 | 151 | 55.0 | 337.8 | 51.0 | 27.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 350.7 | 27.9 | 26.0 | 89.3 | 28.9 | 29.5 | 51.8 | 151 | 55.0 | 337.8 | 51.0 | 27.5 |
| LOS by Move: | F | C | C | F | C | C | D | F | E | F | D | C |
| HCM2kAvgQ: | 24 | 2 | 21 | 8 | 2 | 3 | 2 | 38 | 22 | 48 | 30 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.619
Loss Time (sec): 16 | Average Delay (sec/veh): 39.5
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 297 | 161 | 99 | 281 | 86 | 146 | 163 | 1388 | 265 | 209 | 1338 | 371 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 297 | 161 | 99 | 281 | 86 | 146 | 163 | 1388 | 265 | 209 | 1338 | 371 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 313 | 169 | 104 | 296 | 91 | 154 | 172 | 1461 | 279 | 220 | 1408 | 391 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 313 | 169 | 104 | 296 | 91 | 154 | 172 | 1461 | 279 | 220 | 1408 | 391 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 313 | 169 | 104 | 296 | 91 | 154 | 172 | 1461 | 279 | 220 | 1408 | 391 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.05 | 0.06 | 0.08 | 0.03 | 0.10 | 0.05 | 0.28 | 0.17 | 0.06 | 0.27 | 0.24 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.32 | 0.32 | 0.10 | 0.30 | 0.30 | 0.11 | 0.35 | 0.35 | 0.09 | 0.33 | 0.33 |
| Volume/Cap: | 0.80 | 0.15 | 0.20 | 0.88 | 0.08 | 0.32 | 0.44 | 0.80 | 0.49 | 0.69 | 0.82 | 0.73 |
| Delay/Veh: | 58.8 | 27.1 | 27.7 | 72.0 | 27.7 | 30.2 | 46.5 | 34.8 | 28.6 | 54.9 | 36.9 | 37.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 58.8 | 27.1 | 27.7 | 72.0 | 27.7 | 30.2 | 46.5 | 34.8 | 28.6 | 54.9 | 36.9 | 37.4 |
| LOS by Move: | E | C | C | E | C | C | D | C | C | D | D | D |
| HCM2kAvgQ: | 7 | 2 | 3 | 8 | 1 | 4 | 3 | 18 | 8 | 5 | 18 | 13 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2273 | 665 | 0 | 2253 | 359 | 0 | 0 | 0 | 512 | 0 | 679 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.99 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7375 | 1488 | | 5588 | 1548 | | | | 1863 | 1839 | 1831 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7375 | 1488 | | 5588 | 1548 | | | | 1863 | 1839 | 1831 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 2319 | 679 | 0 | 2299 | 366 | 0 | 0 | 0 | 522 | 0 | 693 |
| RTOR Reduction (vph) | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Lane Group Flow (vph) | 0 | 2460 | 530 | 0 | 2299 | 366 | 0 | 0 | 0 | 423 | 402 | 386 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 74.2 | 120.0 | | 74.2 | 120.0 | | | | 33.8 | 33.8 | 33.8 |
| Effective Green, g (s) | | 74.2 | 120.0 | | 74.2 | 120.0 | | | | 33.8 | 33.8 | 33.8 |
| Actuated g/C Ratio | | 0.62 | 1.00 | | 0.62 | 1.00 | | | | 0.28 | 0.28 | 0.28 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 4560 | 1488 | | 3455 | 1548 | | | | 525 | 518 | 516 |
| v/s Ratio Prot | | 0.33 | | | c0.41 | | | | | c0.23 | 0.22 | |
| v/s Ratio Perm | | | 0.36 | | | 0.24 | | | | | | 0.21 |
| v/c Ratio | | 0.54 | 0.36 | | 0.67 | 0.24 | | | | 0.81 | 0.78 | 0.75 |
| Uniform Delay, d1 | | 13.1 | 0.0 | | 14.9 | 0.0 | | | | 40.0 | 39.6 | 39.2 |
| Progression Factor | | 0.65 | 1.00 | | 0.48 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.0 | 0.1 | | 0.8 | 0.3 | | | | 8.3 | 6.5 | 5.1 |
| Delay (s) | | 8.6 | 0.1 | | 7.8 | 0.3 | | | | 48.4 | 46.2 | 44.4 |
| Level of Service | | A | A | | A | A | | | | D | D | D |
| Approach Delay (s) | | 7.1 | | | 6.8 | | | 0.0 | | | 46.4 | |
| Approach LOS | | A | | | A | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 13.9 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.71 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 82.1% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 1493 | 567 | 1811 | 501 | 405 | 232 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.98 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2740 | 3776 | 2821 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2740 | 3776 | 2821 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 1572 | 597 | 1906 | 527 | 426 | 244 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 155 | 0 | 29 |
| Lane Group Flow (vph) | 1572 | 597 | 1906 | 372 | 426 | 215 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 63.5 | 90.0 | 63.5 | 63.5 | 14.5 | 14.5 |
| Effective Green, g (s) | 64.8 | 90.0 | 64.8 | 63.5 | 15.8 | 15.8 |
| Actuated g/C Ratio | 0.72 | 1.00 | 0.72 | 0.71 | 0.18 | 0.18 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 4767 | 1636 | 3784 | 1933 | 663 | 495 |
| v/s Ratio Prot | 0.24 | | c0.36 | | c0.11 | |
| v/s Ratio Perm | | 0.36 | | 0.14 | | 0.08 |
| v/c Ratio | 0.33 | 0.36 | 0.50 | 0.19 | 0.64 | 0.43 |
| Uniform Delay, d1 | 4.6 | 0.0 | 5.5 | 4.5 | 34.5 | 33.1 |
| Progression Factor | 1.00 | 1.00 | 0.58 | 1.11 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.2 | 0.6 | 0.4 | 0.2 | 1.6 | 0.2 |
| Delay (s) | 4.8 | 0.6 | 3.6 | 5.2 | 36.1 | 33.3 |
| Level of Service | A | A | A | A | D | C |
| Approach Delay (s) | 3.7 | | 4.0 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 7.8 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.53 | | |
| Actuated Cycle Length (s) | 90.0 | Sum of lost time (s) | 9.4 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1837 | 0 | 0 | 2498 | 372 | 290 | 0 | 403 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6022 | 1282 | 3433 | | 2737 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6022 | 1282 | 3433 | | 2737 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1934 | 0 | 0 | 2629 | 392 | 305 | 0 | 424 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 19 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1934 | 0 | 0 | 2666 | 353 | 305 | 0 | 405 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 52.0 | | | 52.0 | 85.0 | 21.0 | | 21.0 | | | |
| Effective Green, g (s) | | 52.0 | | | 52.0 | 85.0 | 21.0 | | 21.0 | | | |
| Actuated g/C Ratio | | 0.61 | | | 0.61 | 1.00 | 0.25 | | 0.25 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 3920 | | | 3684 | 1282 | 848 | | 676 | | | |
| v/s Ratio Prot | | 0.30 | | | c0.44 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.28 | 0.09 | | c0.15 | | | |
| v/c Ratio | | 0.49 | | | 0.72 | 0.28 | 0.36 | | 0.60 | | | |
| Uniform Delay, d1 | | 9.2 | | | 11.5 | 0.0 | 26.4 | | 28.3 | | | |
| Progression Factor | | 0.62 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 0.4 | | | 1.3 | 0.5 | 1.2 | | 3.9 | | | |
| Delay (s) | | 6.1 | | | 12.8 | 0.5 | 27.6 | | 32.2 | | | |
| Level of Service | | A | | | B | A | C | | C | | | |
| Approach Delay (s) | | 6.1 | | | 11.3 | | | 30.3 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 12.0 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.69 | | |
| Actuated Cycle Length (s) | 85.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 56.5% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 264 | 2022 | 0 | 0 | 2229 | 141 | 354 | 1 | 548 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 269 | 2063 | 0 | 0 | 2274 | 144 | 361 | 1 | 559 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 269 | 2063 | 0 | 0 | 2274 | 144 | 0 | 362 | 554 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 10.5 | 69.0 | | | 54.0 | 120.0 | | 39.0 | 39.0 | | | |
| Effective Green, g (s) | 10.0 | 69.5 | | | 54.5 | 120.0 | | 39.5 | 39.5 | | | |
| Actuated g/C Ratio | 0.08 | 0.58 | | | 0.45 | 1.00 | | 0.33 | 0.33 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 286 | 2945 | | | 2309 | 1583 | | 584 | 521 | | | |
| v/s Ratio Prot | c0.08 | 0.41 | | | c0.45 | | | 0.20 | | | | |
| v/s Ratio Perm | | | | | | 0.09 | | | c0.35 | | | |
| v/c Ratio | 0.94 | 0.70 | | | 0.98 | 0.09 | | 0.62 | 1.06 | | | |
| Uniform Delay, d1 | 54.7 | 17.9 | | | 32.3 | 0.0 | | 33.9 | 40.2 | | | |
| Progression Factor | 1.28 | 0.21 | | | 0.37 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 19.6 | 0.2 | | | 8.5 | 0.0 | | 2.0 | 57.1 | | | |
| Delay (s) | 89.7 | 4.1 | | | 20.5 | 0.0 | | 35.9 | 97.4 | | | |
| Level of Service | F | A | | | C | A | | D | F | | | |
| Approach Delay (s) | | 13.9 | | | 19.3 | | | 73.2 | | | 0.0 | |
| Approach LOS | | B | | | B | | | E | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 25.8 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 1.01 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 86.4% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1864 | 921 | 0 | 1746 | 401 | 866 | 0 | 707 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 0.98 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.94 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (prot) | | 4695 | 1343 | | 6408 | 1562 | 1681 | 1538 | 1481 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (perm) | | 4695 | 1343 | | 6408 | 1562 | 1681 | 1538 | 1481 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1902 | 940 | 0 | 1782 | 409 | 884 | 0 | 721 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2187 | 639 | 0 | 1782 | 409 | 557 | 540 | 502 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 58.7 | 120.0 | | 58.7 | 120.0 | 49.3 | 49.3 | 49.3 | | | |
| Effective Green, g (s) | | 58.7 | 120.0 | | 58.7 | 120.0 | 49.3 | 49.3 | 49.3 | | | |
| Actuated g/C Ratio | | 0.49 | 1.00 | | 0.49 | 1.00 | 0.41 | 0.41 | 0.41 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 2297 | 1343 | | 3135 | 1562 | 691 | 632 | 608 | | | |
| v/s Ratio Prot | | c0.47 | | | 0.28 | | 0.33 | c0.35 | | | | |
| v/s Ratio Perm | | | 0.48 | | | 0.26 | | | 0.34 | | | |
| v/c Ratio | | 0.95 | 0.48 | | 0.57 | 0.26 | 0.81 | 0.85 | 0.83 | | | |
| Uniform Delay, d1 | | 29.3 | 0.0 | | 21.7 | 0.0 | 31.1 | 32.1 | 31.5 | | | |
| Progression Factor | | 0.55 | 1.00 | | 0.08 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 8.5 | 1.0 | | 0.0 | 0.0 | 9.7 | 13.8 | 12.1 | | | |
| Delay (s) | | 24.6 | 1.0 | | 1.7 | 0.0 | 40.9 | 45.9 | 43.7 | | | |
| Level of Service | | C | A | | A | A | D | D | D | | | |
| Approach Delay (s) | | 19.3 | | | 1.4 | | | 43.5 | | | 0.0 | |
| Approach LOS | | B | | | A | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 19.2 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.91 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 84.2% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 395 | 1503 | 0 | 0 | 1518 | 356 | 0 | 0 | 516 | 0 | 0 | 794 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 0.97 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7683 | 1368 | | | 3378 | | | 2886 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7683 | 1368 | | | 3378 | | | 2886 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 403 | 1534 | 0 | 0 | 1549 | 363 | 0 | 0 | 527 | 0 | 0 | 810 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 3 | 174 | 0 | 0 | 490 | 0 | 0 | 730 |
| Lane Group Flow (vph) | 403 | 1534 | 0 | 0 | 1582 | 153 | 0 | 0 | 37 | 0 | 0 | 80 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 14.1 | 60.8 | | | 42.2 | 42.2 | | | 5.0 | | | 7.7 |
| Effective Green, g (s) | 14.1 | 62.1 | | | 43.5 | 42.2 | | | 6.3 | | | 7.7 |
| Actuated g/C Ratio | 0.16 | 0.69 | | | 0.48 | 0.47 | | | 0.07 | | | 0.09 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 574 | 5319 | | | 3713 | 641 | | | 236 | | | 247 |
| v/s Ratio Prot | c0.11 | 0.20 | | | c0.21 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.11 | | | c0.01 | | | c0.03 |
| v/c Ratio | 0.70 | 0.29 | | | 0.43 | 0.24 | | | 0.16 | | | 0.32 |
| Uniform Delay, d1 | 36.0 | 5.4 | | | 15.1 | 14.3 | | | 39.4 | | | 38.7 |
| Progression Factor | 0.89 | 0.68 | | | 0.22 | 0.14 | | | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 3.1 | 0.1 | | | 0.2 | 0.6 | | | 0.1 | | | 0.3 |
| Delay (s) | 35.2 | 3.8 | | | 3.6 | 2.6 | | | 39.5 | | | 39.0 |
| Level of Service | D | A | | | A | A | | | D | | | D |
| Approach Delay (s) | | 10.4 | | | 3.4 | | | 39.5 | | | 39.0 | |
| Approach LOS | | B | | | A | | | D | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.2 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.45 | | |
| Actuated Cycle Length (s) | 90.0 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 60.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

Cycle (sec): 105 Critical Vol./Cap.(X): 0.630
Loss Time (sec): 12 Average Delay (sec/veh): 20.2
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Permitted | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 21 | 21 | 10 | 21 | 0 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 0 | 1 | 0 0 | 0 0 | 0 | 0 0 | 4 0 | 1 | 1 0 | 4 0 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 358 | 0 | 146 | 0 | 0 | 0 | 0 | 2124 | 116 | 44 | 2512 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 358 | 0 | 146 | 0 | 0 | 0 | 0 | 2124 | 116 | 44 | 2512 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 377 | 0 | 154 | 0 | 0 | 0 | 0 | 2236 | 122 | 46 | 2644 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 377 | 0 | 154 | 0 | 0 | 0 | 0 | 2236 | 122 | 46 | 2644 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 377 | 0 | 154 | 0 | 0 | 0 | 0 | 2236 | 122 | 46 | 2644 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.85 | 0.95 | 0.91 | 1.00 |
| Lanes: | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 | 1.00 | 4.00 | 0.00 |
| Final Sat.: | 1805 | 0 | 1615 | 0 | 0 | 0 | 0 | 6916 | 1615 | 1805 | 6916 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.21 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.08 | 0.03 | 0.38 | 0.00 |
| Crit Moves: | **** | | | | | | | **** | | **** | | |
| Green/Cycle: | 0.31 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.48 | 0.10 | 0.57 | 0.00 |
| Volume/Cap: | 0.66 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.16 | 0.27 | 0.67 | 0.00 |
| Delay/Veh: | 34.2 | 0.0 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 21.9 | 15.7 | 45.0 | 16.1 | 0.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 34.2 | 0.0 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 21.9 | 15.7 | 45.0 | 16.1 | 0.0 |
| LOS by Move: | C | A | C | A | A | A | A | C | B | D | B | A |
| HCM2kAvgQ: | 11 | 0 | 4 | 0 | 0 | 0 | 0 | 16 | 2 | 2 | 17 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.658
Loss Time (sec): 16 | Average Delay (sec/veh): 54.9
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 213 | 20 | 37 | 26 | 16 | 213 | 501 | 1751 | 318 | 34 | 1944 | 64 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 213 | 20 | 37 | 26 | 16 | 213 | 501 | 1751 | 318 | 34 | 1944 | 64 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| PHF Volume: | 218 | 20 | 38 | 27 | 16 | 218 | 512 | 1789 | 325 | 35 | 1986 | 65 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 218 | 20 | 38 | 27 | 16 | 218 | 512 | 1789 | 325 | 35 | 1986 | 65 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 218 | 20 | 38 | 27 | 16 | 218 | 512 | 1789 | 325 | 35 | 1986 | 65 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.90 | 0.90 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.35 | 0.65 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 602 | 1114 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.03 | 0.03 | 0.01 | 0.01 | 0.13 | 0.15 | 0.34 | 0.20 | 0.02 | 0.38 | 0.04 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.21 | 0.28 | 0.28 | 0.08 | 0.15 | 0.29 | 0.14 | 0.41 | 0.41 | 0.10 | 0.37 | 0.37 |
| Volume/Cap: | 0.57 | 0.12 | 0.12 | 0.09 | 0.06 | 0.47 | 1.04 | 0.84 | 0.49 | 0.19 | 1.04 | 0.11 |
| Delay/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 44.2 | 36.0 | 103.1 | 35.2 | 26.8 | 50.2 | 70.0 | 25.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 44.2 | 36.0 | 103.1 | 35.2 | 26.8 | 50.2 | 70.0 | 25.1 |
| LOS by Move: | D | C | C | D | D | D | F | D | C | D | E | C |
| HCM2kAvgQ: | 8 | 2 | 2 | 1 | 1 | 7 | 15 | 24 | 9 | 1 | 36 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.743
Loss Time (sec): 16 Average Delay (sec/veh): 53.2
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 563 | 109 | 368 | 32 | 64 | 108 | 238 | 1620 | 713 | 251 | 1476 | 62 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 563 | 109 | 368 | 32 | 64 | 108 | 238 | 1620 | 713 | 251 | 1476 | 62 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 593 | 115 | 387 | 34 | 67 | 114 | 251 | 1705 | 751 | 264 | 1554 | 65 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 593 | 115 | 387 | 34 | 67 | 114 | 251 | 1705 | 751 | 264 | 1554 | 65 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 593 | 115 | 387 | 34 | 67 | 114 | 251 | 1705 | 751 | 264 | 1554 | 65 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.03 | 0.24 | 0.01 | 0.02 | 0.07 | 0.07 | 0.33 | 0.46 | 0.08 | 0.30 | 0.04 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.34 | 0.34 | 0.10 | 0.28 | 0.28 | 0.09 | 0.34 | 0.51 | 0.08 | 0.33 | 0.33 |
| Volume/Cap: | 0.98 | 0.09 | 0.70 | 0.09 | 0.07 | 0.26 | 0.78 | 0.98 | 0.91 | 0.91 | 0.91 | 0.12 |
| Delay/Veh: | 80.8 | 26.7 | 37.9 | 48.7 | 32.2 | 34.2 | 65.4 | 56.4 | 41.7 | 84.1 | 46.7 | 28.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 80.8 | 26.7 | 37.9 | 48.7 | 32.2 | 34.2 | 65.4 | 56.4 | 41.7 | 84.1 | 46.7 | 28.4 |
| LOS by Move: | F | C | D | D | C | C | E | E | D | F | D | C |
| HCM2kAvgQ: | 16 | 1 | 13 | 1 | 1 | 3 | 7 | 29 | 29 | 8 | 24 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.769
Loss Time (sec): 16 | Average Delay (sec/veh): 41.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 385 | 337 | 189 | 169 | 128 | 334 | 386 | 1313 | 320 | 160 | 1155 | 158 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 385 | 337 | 189 | 169 | 128 | 334 | 386 | 1313 | 320 | 160 | 1155 | 158 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 390 | 341 | 191 | 171 | 130 | 338 | 391 | 1329 | 324 | 162 | 1169 | 160 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 390 | 341 | 191 | 171 | 130 | 338 | 391 | 1329 | 324 | 162 | 1169 | 160 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 390 | 341 | 191 | 171 | 130 | 338 | 391 | 1329 | 324 | 162 | 1169 | 160 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.18 | 0.12 | 0.05 | 0.04 | 0.21 | 0.11 | 0.26 | 0.20 | 0.09 | 0.23 | 0.10 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.14 | 0.34 | 0.34 | 0.10 | 0.30 | 0.30 | 0.14 | 0.31 | 0.31 | 0.11 | 0.28 | 0.28 |
| Volume/Cap: | 0.81 | 0.53 | 0.35 | 0.48 | 0.12 | 0.70 | 0.81 | 0.83 | 0.65 | 0.82 | 0.81 | 0.36 |
| Delay/Veh: | 55.8 | 30.5 | 27.9 | 47.7 | 28.0 | 38.5 | 55.8 | 39.3 | 36.1 | 71.3 | 40.4 | 32.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 55.8 | 30.5 | 27.9 | 47.7 | 28.0 | 38.5 | 55.8 | 39.3 | 36.1 | 71.3 | 40.4 | 32.2 |
| LOS by Move: | E | C | C | D | C | D | E | D | D | E | D | C |
| HCM2kAvgQ: | 9 | 10 | 5 | 3 | 2 | 11 | 9 | 18 | 10 | 8 | 16 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.826
Loss Time (sec): 16 | Average Delay (sec/veh): 47.3
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 382 | 848 | 585 | 129 | 712 | 104 | 188 | 1676 | 519 | 669 | 1244 | 215 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 382 | 848 | 585 | 129 | 712 | 104 | 188 | 1676 | 519 | 669 | 1244 | 215 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.17 | 0.38 | 0.04 | 0.14 | 0.07 | 0.06 | 0.26 | 0.34 | 0.20 | 0.19 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.27 | 0.47 | 0.12 | 0.28 | 0.28 | 0.11 | 0.28 | 0.39 | 0.20 | 0.37 | 0.37 |
| Volume/Cap: | 1.00 | 0.65 | 0.81 | 0.31 | 0.53 | 0.25 | 0.51 | 0.93 | 0.87 | 1.00 | 0.52 | 0.38 |
| Delay/Veh: | 97.3 | 40.0 | 34.2 | 48.4 | 37.2 | 34.1 | 51.4 | 50.8 | 45.9 | 81.1 | 30.0 | 28.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 97.3 | 40.0 | 34.2 | 48.4 | 37.2 | 34.1 | 51.4 | 50.8 | 45.9 | 81.1 | 30.0 | 28.5 |
| LOS by Move: | F | D | C | D | D | C | D | D | D | F | C | C |
| HCM2kAvgQ: | 12 | 11 | 21 | 3 | 9 | 3 | 4 | 21 | 21 | 19 | 10 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.801
Loss Time (sec): 16 | Average Delay (sec/veh): 44.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 206 | 843 | 47 | 954 | 796 | 299 | 351 | 959 | 242 | 42 | 715 | 796 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 206 | 843 | 47 | 954 | 796 | 299 | 351 | 959 | 242 | 42 | 715 | 796 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.17 | 0.03 | 0.28 | 0.16 | 0.19 | 0.10 | 0.19 | 0.15 | 0.01 | 0.14 | 0.51 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.18 | 0.18 | 0.30 | 0.37 | 0.37 | 0.11 | 0.30 | 0.30 | 0.09 | 0.28 | 0.58 |
| Volume/Cap: | 0.57 | 0.93 | 0.17 | 0.93 | 0.42 | 0.51 | 0.93 | 0.64 | 0.52 | 0.14 | 0.52 | 0.88 |
| Delay/Veh: | 53.0 | 64.4 | 41.9 | 55.2 | 28.1 | 29.8 | 82.3 | 37.7 | 36.2 | 50.5 | 37.1 | 31.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.0 | 64.4 | 41.9 | 55.2 | 28.1 | 29.8 | 82.3 | 37.7 | 36.2 | 50.5 | 37.1 | 31.9 |
| LOS by Move: | D | E | D | E | C | C | F | D | D | D | D | C |
| HCM2kAvgQ: | 5 | 16 | 2 | 22 | 8 | 9 | 10 | 12 | 8 | 1 | 9 | 29 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.682
Loss Time (sec): 16 | Average Delay (sec/veh): 39.5
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 234 | 666 | 374 | 104 | 363 | 756 | 765 | 885 | 132 | 165 | 669 | 78 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 234 | 666 | 374 | 104 | 363 | 756 | 765 | 885 | 132 | 165 | 669 | 78 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 246 | 701 | 394 | 109 | 382 | 796 | 805 | 932 | 139 | 174 | 704 | 82 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 246 | 701 | 394 | 109 | 382 | 796 | 805 | 932 | 139 | 174 | 704 | 82 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 246 | 701 | 394 | 109 | 382 | 796 | 805 | 932 | 139 | 174 | 704 | 82 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.19 | 0.24 | 0.03 | 0.11 | 0.49 | 0.23 | 0.18 | 0.09 | 0.05 | 0.14 | 0.05 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.41 | 0.08 | 0.28 | 0.55 | 0.28 | 0.37 | 0.37 | 0.13 | 0.23 | 0.23 |
| Volume/Cap: | 0.84 | 0.71 | 0.60 | 0.38 | 0.38 | 0.90 | 0.84 | 0.48 | 0.23 | 0.37 | 0.58 | 0.22 |
| Delay/Veh: | 73.8 | 41.5 | 29.2 | 52.9 | 35.5 | 35.6 | 47.4 | 28.8 | 25.9 | 47.9 | 41.5 | 37.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 73.8 | 41.5 | 29.2 | 52.9 | 35.5 | 35.6 | 47.4 | 28.8 | 25.9 | 47.9 | 41.5 | 37.4 |
| LOS by Move: | E | D | C | D | D | D | D | C | C | D | D | D |
| HCM2kAvgQ: | 7 | 13 | 12 | 2 | 6 | 29 | 17 | 10 | 3 | 3 | 9 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

Cycle (sec): 95 Critical Vol./Cap.(X): 0.547
Loss Time (sec): 16 Average Delay (sec/veh): 32.8
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 79 | 968 | 93 | 79 | 161 | 120 | 180 | 646 | 134 | 26 | 298 | 146 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 79 | 968 | 93 | 79 | 161 | 120 | 180 | 646 | 134 | 26 | 298 | 146 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 83 | 1019 | 98 | 83 | 169 | 126 | 189 | 680 | 141 | 27 | 314 | 154 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 83 | 1019 | 98 | 83 | 169 | 126 | 189 | 680 | 141 | 27 | 314 | 154 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 83 | 1019 | 98 | 83 | 169 | 126 | 189 | 680 | 141 | 27 | 314 | 154 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.28 | 0.06 | 0.02 | 0.05 | 0.08 | 0.05 | 0.19 | 0.09 | 0.01 | 0.09 | 0.10 |
| Crit Moves: | | **** | | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.13 | 0.34 | 0.34 | 0.11 | 0.31 | 0.31 | 0.11 | 0.25 | 0.25 | 0.14 | 0.28 | 0.28 |
| Volume/Cap: | 0.18 | 0.84 | 0.18 | 0.23 | 0.15 | 0.25 | 0.51 | 0.75 | 0.35 | 0.06 | 0.31 | 0.33 |
| Delay/Veh: | 37.0 | 34.4 | 22.4 | 39.3 | 23.6 | 24.6 | 41.4 | 36.6 | 29.8 | 35.5 | 26.8 | 27.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 37.0 | 34.4 | 22.4 | 39.3 | 23.6 | 24.6 | 41.4 | 36.6 | 29.8 | 35.5 | 26.8 | 27.3 |
| LOS by Move: | D | C | C | D | C | C | D | D | C | D | C | C |
| HCM2kAvgQ: | 1 | 17 | 2 | 1 | 2 | 3 | 3 | 11 | 4 | 0 | 4 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.629
Loss Time (sec): 16 Average Delay (sec/veh): 37.4
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 298 | 767 | 26 | 9 | 150 | 116 | 331 | 85 | 424 | 49 | 229 | 43 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 298 | 767 | 26 | 9 | 150 | 116 | 331 | 85 | 424 | 49 | 229 | 43 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 314 | 807 | 27 | 9 | 158 | 122 | 348 | 89 | 446 | 52 | 241 | 45 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 314 | 807 | 27 | 9 | 158 | 122 | 348 | 89 | 446 | 52 | 241 | 45 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 314 | 807 | 27 | 9 | 158 | 122 | 348 | 89 | 446 | 52 | 241 | 45 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.22 | 0.02 | 0.00 | 0.04 | 0.08 | 0.10 | 0.02 | 0.28 | 0.01 | 0.07 | 0.03 |
| Crit Moves: | | **** | | **** | | | | | **** | **** | | |
| Green/Cycle: | 0.11 | 0.27 | 0.27 | 0.11 | 0.27 | 0.27 | 0.12 | 0.33 | 0.33 | 0.11 | 0.32 | 0.32 |
| Volume/Cap: | 0.80 | 0.83 | 0.06 | 0.02 | 0.16 | 0.28 | 0.83 | 0.07 | 0.83 | 0.13 | 0.21 | 0.09 |
| Delay/Veh: | 50.4 | 37.3 | 24.6 | 35.7 | 25.3 | 26.5 | 51.9 | 20.6 | 38.6 | 36.2 | 22.2 | 21.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.4 | 37.3 | 24.6 | 35.7 | 25.3 | 26.5 | 51.9 | 20.6 | 38.6 | 36.2 | 22.2 | 21.3 |
| LOS by Move: | D | D | C | D | C | C | D | C | D | D | C | C |
| HCM2kAvgQ: | 7 | 14 | 1 | 0 | 2 | 3 | 7 | 1 | 14 | 1 | 3 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.794
Loss Time (sec): 16 | Average Delay (sec/veh): 45.4
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 273 | 439 | 486 | 229 | 428 | 84 | 228 | 1045 | 510 | 512 | 754 | 423 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 273 | 439 | 486 | 229 | 428 | 84 | 228 | 1045 | 510 | 512 | 754 | 423 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 285 | 459 | 508 | 239 | 447 | 88 | 238 | 1092 | 533 | 535 | 788 | 442 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 285 | 459 | 508 | 239 | 447 | 88 | 238 | 1092 | 533 | 535 | 788 | 442 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 285 | 459 | 508 | 239 | 447 | 88 | 238 | 1092 | 533 | 535 | 788 | 442 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.13 | 0.31 | 0.07 | 0.12 | 0.05 | 0.07 | 0.21 | 0.33 | 0.15 | 0.15 | 0.27 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.09 | 0.24 | 0.40 | 0.12 | 0.28 | 0.28 | 0.12 | 0.35 | 0.35 | 0.16 | 0.39 | 0.39 |
| Volume/Cap: | 0.95 | 0.53 | 0.79 | 0.56 | 0.45 | 0.20 | 0.58 | 0.61 | 0.95 | 0.95 | 0.39 | 0.71 |
| Delay/Veh: | 94.2 | 40.6 | 38.3 | 51.2 | 36.3 | 33.6 | 52.1 | 33.1 | 65.1 | 76.7 | 26.6 | 34.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 94.2 | 40.6 | 38.3 | 51.2 | 36.3 | 33.6 | 52.1 | 33.1 | 65.1 | 76.7 | 26.6 | 34.6 |
| LOS by Move: | F | D | D | D | D | C | D | C | E | E | C | C |
| HCM2kAvgQ: | 9 | 8 | 18 | 5 | 7 | 2 | 5 | 13 | 24 | 14 | 8 | 15 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.298
Loss Time (sec): 12 Average Delay (sec/veh): 21.8
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 36 | 0 | 192 | 333 | 1139 | 0 | 0 | 682 | 38 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 36 | 0 | 192 | 333 | 1139 | 0 | 0 | 682 | 38 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 38 | 0 | 202 | 350 | 1198 | 0 | 0 | 717 | 40 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 38 | 0 | 202 | 350 | 1198 | 0 | 0 | 717 | 40 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 38 | 0 | 202 | 350 | 1198 | 0 | 0 | 717 | 40 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.87 | 1.00 | 0.87 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 1.84 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1907 | 0 | 3035 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.10 | 0.23 | 0.00 | 0.00 | 0.14 | 0.02 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.39 | 0.19 | 0.48 | 0.00 | 0.00 | 0.29 | 0.29 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.17 | 0.53 | 0.48 | 0.00 | 0.00 | 0.48 | 0.09 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.1 | 0.0 | 18.1 | 33.7 | 16.1 | 0.0 | 0.0 | 26.6 | 23.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.1 | 0.0 | 18.1 | 33.7 | 16.1 | 0.0 | 0.0 | 26.6 | 23.4 |
| LOS by Move: | A | A | A | B | A | B | C | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 8 | 0 | 0 | 6 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.665 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 36.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 260 | 170 | 82 | 210 | 79 | 191 | 257 | 2318 | 302 | 69 | 1579 | 122 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 260 | 170 | 82 | 210 | 79 | 191 | 257 | 2318 | 302 | 69 | 1579 | 122 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 274 | 179 | 86 | 221 | 83 | 201 | 271 | 2440 | 318 | 73 | 1662 | 128 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 274 | 179 | 86 | 221 | 83 | 201 | 271 | 2440 | 318 | 73 | 1662 | 128 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 274 | 179 | 86 | 221 | 83 | 201 | 271 | 2440 | 318 | 73 | 1662 | 128 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.05 | 0.05 | 0.06 | 0.02 | 0.12 | 0.08 | 0.35 | 0.20 | 0.02 | 0.24 | 0.08 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.18 | 0.18 | 0.18 | 0.28 | 0.28 | 0.13 | 0.42 | 0.51 | 0.08 | 0.37 | 0.37 |
| Volume/Cap: | 0.85 | 0.27 | 0.29 | 0.34 | 0.08 | 0.45 | 0.60 | 0.85 | 0.39 | 0.25 | 0.65 | 0.21 |
| Delay/Veh: | 72.1 | 42.3 | 42.8 | 43.0 | 32.3 | 36.8 | 51.6 | 34.1 | 18.4 | 51.9 | 31.8 | 26.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 72.1 | 42.3 | 42.8 | 43.0 | 32.3 | 36.8 | 51.6 | 34.1 | 18.4 | 51.9 | 31.8 | 26.0 |
| LOS by Move: | E | D | D | D | C | D | D | C | B | D | C | C |
| HCM2kAvgQ: | 8 | 3 | 3 | 4 | 1 | 6 | 6 | 24 | 7 | 1 | 14 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.443
Loss Time (sec): 16 | Average Delay (sec/veh): 32.2
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 101 | 3 | 2 | 5 | 1 | 27 | 78 | 1413 | 71 | 2 | 1555 | 3 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 101 | 3 | 2 | 5 | 1 | 27 | 78 | 1413 | 71 | 2 | 1555 | 3 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 105 | 3 | 2 | 5 | 1 | 28 | 81 | 1475 | 74 | 2 | 1623 | 3 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 105 | 3 | 2 | 5 | 1 | 28 | 81 | 1475 | 74 | 2 | 1623 | 3 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 105 | 3 | 2 | 5 | 1 | 28 | 81 | 1475 | 74 | 2 | 1623 | 3 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.28 | 0.05 | 0.00 | 0.31 | 0.00 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.08 | 0.39 | 0.39 | 0.12 | 0.43 | 0.43 |
| Volume/Cap: | 0.36 | 0.00 | 0.00 | 0.02 | 0.00 | 0.06 | 0.28 | 0.72 | 0.12 | 0.01 | 0.74 | 0.00 |
| Delay/Veh: | 52.7 | 31.6 | 31.6 | 50.5 | 31.5 | 32.2 | 52.1 | 32.2 | 23.2 | 47.0 | 30.2 | 19.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.7 | 31.6 | 31.6 | 50.5 | 31.5 | 32.2 | 52.1 | 32.2 | 23.2 | 47.0 | 30.2 | 19.9 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | B |
| HCM2kAvgQ: | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 18 | 2 | 0 | 19 | 0 |

Note: Queue reported is the number of cars per lane.

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# APPENDIX 7.5

Proposed Menifee General Plan (Post-2035) Intersection Peak Hour Analysis, With Improvements

Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 105 | Critical Vol./Cap.(X): 0.562
Loss Time (sec): 16 | Average Delay (sec/veh): 34.5
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Ovl | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 2 | 1 | 0 2 | 0 | 1 | 2 | 0 3 | 0 | 1 | 2 | 0 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 93 | 57 | 533 | | 150 | 63 | 18 | | 61 | 1085 | 107 | | 610 | 999 | 83 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 93 | 57 | 533 | | 150 | 63 | 18 | | 61 | 1085 | 107 | | 610 | 999 | 83 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 98 | 60 | 561 | | 158 | 66 | 19 | | 64 | 1142 | 113 | | 642 | 1052 | 87 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.75 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 2.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 2842 | | 1805 | 3610 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.02 | 0.20 | | 0.09 | 0.02 | 0.01 | | 0.02 | 0.22 | 0.07 | | 0.18 | 0.20 | 0.05 | |
| Crit Moves: | **** | | | | | **** | | | | **** | | | **** | | | |
| Green/Cycle: | 0.10 | 0.17 | 0.40 | | 0.17 | 0.25 | 0.25 | | 0.16 | 0.28 | 0.28 | | 0.23 | 0.34 | 0.34 | |
| Volume/Cap: | 0.57 | 0.10 | 0.49 | | 0.51 | 0.07 | 0.05 | | 0.11 | 0.80 | 0.25 | | 0.80 | 0.59 | 0.16 | |
| Delay/Veh: | 49.9 | 36.7 | 23.8 | | 40.9 | 30.3 | 30.1 | | 37.7 | 38.6 | 29.9 | | 43.9 | 28.9 | 24.1 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 49.9 | 36.7 | 23.8 | | 40.9 | 30.3 | 30.1 | | 37.7 | 38.6 | 29.9 | | 43.9 | 28.9 | 24.1 | |
| LOS by Move: | D | D | C | | D | C | C | | D | D | C | | D | C | C | |
| HCM2kAvgQ: | 4 | 1 | 8 | | 5 | 1 | 0 | | 1 | 15 | 3 | | 12 | 11 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.621
Loss Time (sec): 16 | Average Delay (sec/veh): 55.4
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | | Ovl | | | Include | | | Ovl | | | Include | |
| Min. Green: | 10 | 39 | 39 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.25 | 0.19 | 0.24 | 0.20 | 0.16 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.20 | 0.33 | 0.52 | 0.08 | 0.20 | 0.20 | 0.11 | 0.26 | 0.46 | 0.20 | 0.35 | 0.35 |
| Volume/Cap: | 0.28 | 0.08 | 0.36 | 0.32 | 0.14 | 0.13 | 0.26 | 0.96 | 0.41 | 1.18 | 0.58 | 0.47 |
| Delay/Veh: | 40.5 | 28.1 | 16.9 | 52.5 | 39.3 | 39.3 | 49.1 | 57.5 | 21.8 | 143.3 | 32.4 | 31.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 40.5 | 28.1 | 16.9 | 52.5 | 39.3 | 39.3 | 49.1 | 57.5 | 21.8 | 143.3 | 32.4 | 31.2 |
| LOS by Move: | D | C | B | D | D | D | D | E | C | F | C | C |
| HCM2kAvgQ: | 3 | 1 | 7 | 2 | 2 | 1 | 2 | 22 | 8 | 27 | 12 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH ADDITIONAL MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 95 Critical Vol./Cap.(X): 0.686
Loss Time (sec): 16 Average Delay (sec/veh): 26.5
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 191 | 47 | 514 | 90 | 51 | 42 | 95 | 1634 | 294 | 785 | 1322 | 248 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 201 | 49 | 541 | 95 | 54 | 44 | 100 | 1720 | 309 | 826 | 1392 | 261 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.25 | 0.19 | 0.24 | 0.20 | 0.16 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.11 | 0.40 | 0.11 | 0.11 | 0.11 | 0.15 | 0.33 | 0.43 | 0.29 | 0.47 | 0.47 |
| Volume/Cap: | 0.55 | 0.25 | 0.48 | 0.26 | 0.27 | 0.26 | 0.19 | 0.76 | 0.44 | 0.80 | 0.43 | 0.34 |
| Delay/Veh: | 42.0 | 39.7 | 21.4 | 39.5 | 39.9 | 39.9 | 35.4 | 30.3 | 19.4 | 35.5 | 16.8 | 16.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 42.0 | 39.7 | 21.4 | 39.5 | 39.9 | 39.9 | 35.4 | 30.3 | 19.4 | 35.5 | 16.8 | 16.2 |
| LOS by Move: | D | D | C | D | D | D | D | C | B | D | B | B |
| HCM2kAvgQ: | 4 | 2 | 7 | 2 | 2 | 1 | 1 | 14 | 7 | 14 | 7 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.797
Loss Time (sec): 16 | Average Delay (sec/veh): 46.3
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 2 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 565 | 546 | 866 | 367 | 678 | 170 | 197 | 1528 | 391 | 501 | 1705 | 177 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 565 | 546 | 866 | 367 | 678 | 170 | 197 | 1528 | 391 | 501 | 1705 | 177 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 595 | 575 | 912 | 386 | 714 | 179 | 207 | 1608 | 412 | 527 | 1795 | 186 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.75 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 2.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 2842 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.11 | 0.32 | 0.11 | 0.14 | 0.11 | 0.06 | 0.23 | 0.25 | 0.15 | 0.26 | 0.12 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.27 | 0.42 | 0.17 | 0.28 | 0.28 | 0.10 | 0.28 | 0.44 | 0.15 | 0.33 | 0.33 |
| Volume/Cap: | 1.01 | 0.41 | 0.77 | 0.63 | 0.50 | 0.40 | 0.60 | 0.85 | 0.58 | 1.01 | 0.80 | 0.35 |
| Delay/Veh: | 90.1 | 36.3 | 33.1 | 48.2 | 36.8 | 36.1 | 54.8 | 44.8 | 26.2 | 93.5 | 39.0 | 31.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 90.1 | 36.3 | 33.1 | 48.2 | 36.8 | 36.1 | 54.8 | 44.8 | 26.2 | 93.5 | 39.0 | 31.3 |
| LOS by Move: | F | D | C | D | D | D | D | D | C | F | D | C |
| HCM2kAvgQ: | 17 | 6 | 18 | 8 | 8 | 6 | 5 | 18 | 12 | 15 | 18 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.618
Loss Time (sec): 16 | Average Delay (sec/veh): 40.2
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 2 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 177 | 666 | 40 | 591 | 660 | 426 | 627 | 679 | 154 | 17 | 787 | 1157 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 177 | 666 | 40 | 591 | 660 | 426 | 627 | 679 | 154 | 17 | 787 | 1157 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 186 | 701 | 42 | 622 | 695 | 448 | 660 | 715 | 162 | 18 | 828 | 1218 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.75 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 2.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 2842 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.14 | 0.03 | 0.18 | 0.13 | 0.28 | 0.19 | 0.14 | 0.10 | 0.01 | 0.16 | 0.43 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.16 | 0.16 | 0.21 | 0.29 | 0.51 | 0.22 | 0.38 | 0.38 | 0.11 | 0.28 | 0.49 |
| Volume/Cap: | 0.64 | 0.83 | 0.16 | 0.83 | 0.46 | 0.55 | 0.87 | 0.37 | 0.27 | 0.04 | 0.58 | 0.88 |
| Delay/Veh: | 57.9 | 55.9 | 43.6 | 53.2 | 35.0 | 20.9 | 56.0 | 27.1 | 26.1 | 47.4 | 38.1 | 34.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.9 | 55.9 | 43.6 | 53.2 | 35.0 | 20.9 | 56.0 | 27.1 | 26.1 | 47.4 | 38.1 | 34.2 |
| LOS by Move: | E | E | D | D | C | C | E | C | C | D | D | C |
| HCM2kAvgQ: | 5 | 12 | 1 | 14 | 8 | 11 | 15 | 7 | 4 | 0 | 10 | 26 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.712
Loss Time (sec): 16 | Average Delay (sec/veh): 45.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 26 | 26 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 2 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 125 | 80 | 916 | 295 | 92 | 53 | 70 | 1427 | 105 | 763 | 1498 | 93 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 125 | 80 | 916 | 295 | 92 | 53 | 70 | 1427 | 105 | 763 | 1498 | 93 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 131 | 84 | 962 | 310 | 97 | 56 | 74 | 1499 | 110 | 801 | 1574 | 98 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 131 | 84 | 962 | 310 | 97 | 56 | 74 | 1499 | 110 | 801 | 1574 | 98 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 131 | 84 | 962 | 310 | 97 | 56 | 74 | 1499 | 110 | 801 | 1574 | 98 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.75 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 2842 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.02 | 0.34 | 0.17 | 0.03 | 0.03 | 0.02 | 0.29 | 0.07 | 0.23 | 0.30 | 0.06 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.12 | 0.37 | 0.18 | 0.22 | 0.22 | 0.12 | 0.32 | 0.32 | 0.25 | 0.44 | 0.44 |
| Volume/Cap: | 0.87 | 0.20 | 0.92 | 0.94 | 0.12 | 0.16 | 0.17 | 0.91 | 0.22 | 0.91 | 0.68 | 0.14 |
| Delay/Veh: | 93.3 | 48.1 | 49.2 | 81.9 | 37.9 | 38.3 | 47.4 | 47.7 | 30.3 | 57.6 | 27.4 | 19.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 93.3 | 48.1 | 49.2 | 81.9 | 37.9 | 38.3 | 47.4 | 47.7 | 30.3 | 57.6 | 27.4 | 19.8 |
| LOS by Move: | F | D | D | F | D | D | D | D | C | E | C | B |
| HCM2kAvgQ: | 7 | 2 | 23 | 15 | 2 | 2 | 1 | 23 | 3 | 19 | 17 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.766
Loss Time (sec): 16 | Average Delay (sec/veh): 78.1
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.24 | 0.32 | 0.31 | 0.26 | 0.10 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.26 | 0.33 | 0.52 | 0.08 | 0.15 | 0.15 | 0.11 | 0.26 | 0.52 | 0.20 | 0.35 | 0.35 |
| Volume/Cap: | 0.57 | 0.11 | 0.78 | 0.95 | 0.34 | 0.46 | 0.22 | 0.92 | 0.61 | 1.56 | 0.76 | 0.30 |
| Delay/Veh: | 39.3 | 28.5 | 25.7 | 94.7 | 46.8 | 48.3 | 48.9 | 51.1 | 21.5 | 304.9 | 36.0 | 28.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 39.3 | 28.5 | 25.7 | 94.7 | 46.8 | 48.3 | 48.9 | 51.1 | 21.5 | 304.9 | 36.0 | 28.8 |
| LOS by Move: | D | C | C | F | D | D | D | D | C | F | D | C |
| HCM2kAvgQ: | 9 | 2 | 21 | 9 | 3 | 4 | 2 | 20 | 13 | 46 | 17 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH ADDITIONAL MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 115 Critical Vol./Cap.(X): 0.888
Loss Time (sec): 16 Average Delay (sec/veh): 39.0
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 501 | 66 | 1113 | 265 | 90 | 103 | 80 | 1560 | 488 | 1038 | 1733 | 161 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 526 | 69 | 1168 | 278 | 94 | 108 | 84 | 1637 | 512 | 1089 | 1818 | 169 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.24 | 0.32 | 0.31 | 0.26 | 0.10 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.16 | 0.13 | 0.47 | 0.12 | 0.09 | 0.09 | 0.15 | 0.27 | 0.43 | 0.34 | 0.46 | 0.46 |
| Volume/Cap: | 0.91 | 0.27 | 0.87 | 0.68 | 0.57 | 0.77 | 0.16 | 0.88 | 0.73 | 0.91 | 0.57 | 0.23 |
| Delay/Veh: | 66.5 | 45.3 | 33.1 | 53.3 | 55.2 | 73.8 | 42.8 | 45.3 | 30.9 | 47.2 | 22.9 | 18.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 66.5 | 45.3 | 33.1 | 53.3 | 55.2 | 73.8 | 42.8 | 45.3 | 30.9 | 47.2 | 22.9 | 18.8 |
| LOS by Move: | E | D | C | D | E | E | D | D | C | D | C | B |
| HCM2kAvgQ: | 13 | 2 | 24 | 6 | 4 | 6 | 1 | 18 | 16 | 23 | 13 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.826
Loss Time (sec): 16 | Average Delay (sec/veh): 46.4
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | | Ovl | | | Include | | | Ovl | | | Include | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 2 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 382 | 848 | 585 | 129 | 712 | 104 | 188 | 1676 | 519 | 669 | 1244 | 215 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 382 | 848 | 585 | 129 | 712 | 104 | 188 | 1676 | 519 | 669 | 1244 | 215 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 402 | 893 | 616 | 136 | 749 | 109 | 198 | 1764 | 546 | 704 | 1309 | 226 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.75 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 2.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 2842 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.17 | 0.22 | 0.04 | 0.14 | 0.07 | 0.06 | 0.26 | 0.34 | 0.20 | 0.19 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.26 | 0.46 | 0.13 | 0.28 | 0.28 | 0.11 | 0.28 | 0.39 | 0.20 | 0.37 | 0.37 |
| Volume/Cap: | 1.00 | 0.65 | 0.47 | 0.30 | 0.53 | 0.25 | 0.51 | 0.93 | 0.87 | 1.00 | 0.52 | 0.38 |
| Delay/Veh: | 97.3 | 40.5 | 22.2 | 47.9 | 37.2 | 34.1 | 51.4 | 50.8 | 45.9 | 81.1 | 30.0 | 28.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 97.3 | 40.5 | 22.2 | 47.9 | 37.2 | 34.1 | 51.4 | 50.8 | 45.9 | 81.1 | 30.0 | 28.5 |
| LOS by Move: | F | D | C | D | D | C | D | D | D | F | C | C |
| HCM2kAvgQ: | 12 | 11 | 9 | 3 | 9 | 3 | 4 | 21 | 21 | 19 | 10 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Proposed Menifee General Plan Conditions WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.801
Loss Time (sec): 16 | Average Delay (sec/veh): 42.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 2 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 206 | 843 | 47 | 954 | 796 | 299 | 351 | 959 | 242 | 42 | 715 | 796 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 206 | 843 | 47 | 954 | 796 | 299 | 351 | 959 | 242 | 42 | 715 | 796 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 213 | 870 | 49 | 985 | 821 | 309 | 362 | 990 | 250 | 43 | 738 | 821 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.75 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 2.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 2842 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.17 | 0.03 | 0.28 | 0.16 | 0.19 | 0.10 | 0.19 | 0.15 | 0.01 | 0.14 | 0.29 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.18 | 0.18 | 0.30 | 0.37 | 0.48 | 0.11 | 0.30 | 0.30 | 0.09 | 0.28 | 0.58 |
| Volume/Cap: | 0.57 | 0.93 | 0.17 | 0.93 | 0.42 | 0.39 | 0.93 | 0.64 | 0.52 | 0.14 | 0.52 | 0.50 |
| Delay/Veh: | 53.0 | 64.4 | 41.9 | 55.2 | 28.1 | 20.0 | 82.3 | 37.7 | 36.2 | 50.5 | 37.1 | 15.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.0 | 64.4 | 41.9 | 55.2 | 28.1 | 20.0 | 82.3 | 37.7 | 36.2 | 50.5 | 37.1 | 15.4 |
| LOS by Move: | D | E | D | E | C | C | F | D | D | D | D | B |
| HCM2kAvgQ: | 5 | 16 | 2 | 22 | 8 | 7 | 10 | 12 | 8 | 1 | 9 | 10 |

Note: Queue reported is the number of cars per lane.

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# APPENDIX 7.6

General Plan EDC Alternative (Post-2035) Refined Model Forecasts

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Goetz Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **239 0 155** | 2012 **146 0 122** |
| < v > | < v > |
| **70** ^ ^ **81** | **329** ^ ^ **161** |
| **370** > < **481** | **546** > < **505** |
| **0** v v **0** | **0** v v **0** |
| < ^ > | < ^ > |
| **0 0 0** | **0 0 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **369 272** | 2012 **390 351** |
| v ^ | v ^ |
| **886** < IN = 1596 < **522** | **1023** < IN = 1964 < **640** |
| **705** > OUT = 1594 > **436** | **934** > OUT = 1964 > **590** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **610 359** | 2035 **615 775** |
| v ^ | v ^ |
| **1101** < IN = 2930 < **1134** | **1580** < IN = 3811 < **1782** |
| **1186** > OUT = 2930 > **1470** | **1414** > OUT = 3812 > **1457** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **10,200** | 2012 10,200 |
| N | N |
| **20,600** W **LEG** E **18,000** | 20,600 W + E 18,000 |
| S | S |
| **0** | 0 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **14,200** | 2035 14,200 |
| N | N |
| **32,600** W **LEG** E **39,000** | 32,600 W + E 39,000 |
| S | S |
| **0** | 0 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A01 Goetz_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Goetz Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 394 | 151 | | |
| | | v | ^ | | |
| 720 | < IN | = | 1396 | < | 562 |
| 440 | > OUT | = | 1396 | > | 525 |
| | | v | ^ | | |
| | | 0 | 0 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| MUL | < | | | < | ADD |
| MUL | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 240 | 49 | | |
| | | v | ^ | | |
| 180 | < | | | < | 610 |
| 300 | > | | | > | 1030 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 240 | 50 | | |
| | | v | ^ | | |
| 180 | < | | | < | 610 |
| 300 | > | | | > | 1030 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 630 | 200 | | |
| | | v | ^ | | |
| 900 | < IN | = | 2540 | < | 1170 |
| 740 | > OUT | = | 2660 | > | 1560 |
| | | v | ^ | * | |
| | | 0 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 268 | 490 | | |
| | | v | ^ | | |
| 651 | < IN | = | 1809 | < | 666 |
| 875 | > OUT | = | 1809 | > | 668 |
| | | v | ^ | | |
| | | 0 | 0 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | ADD |
| MUL | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 152 | 420 | | |
| | | v | ^ | | |
| 349 | < | | | < | 1140 |
| 445 | > | | | > | 870 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 150 | 420 | | |
| | | v | ^ | | |
| 350 | < | | | < | 1140 |
| 450 | > | | | > | 870 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 420 | 939 | | |
| | | v | ^ | | |
| 1032 | < IN | = | 3560 | < | 1810 |
| 1330 | > OUT | = | 3560 | > | 1589 |
| | | v | ^ | * | |
| | | 0 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A01 Goetz_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Goetz Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 155 | 696 | 541 | 349% | 122 | 388 | 266 | 218% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 239 | 36 | -203 | -85% | 146 | 47 | -99 | -68% |
| | SB Total | 394 | 732 | 338 | 86% | 268 | 435 | 167 | 62% |
| EAST BOUND | Left | 70 | 7 | -63 | -90% | 329 | 178 | -151 | -46% |
| | Through | 370 | 864 | 494 | 134% | 546 | 1,201 | 655 | 120% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 440 | 871 | 431 | 98% | 875 | 1,379 | 504 | 58% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 481 | 864 | 383 | 80% | 505 | 985 | 480 | 95% |
| | Right | 81 | 193 | 112 | 138% | 161 | 761 | 600 | 373% |
| | WB Total | 562 | 1,057 | 495 | 88% | 666 | 1,746 | 1,080 | 162% |
| TOTAL ENTERING VOLUME | | 1,396 | 2,660 | 1264 | 91% | 1,809 | 3,560 | 1751 | 97% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 732 | 435 | | | |
| North Leg | Outbound | 200 | 939 | | | |
| **North Leg** | **TOTAL** | **932** | **1,374** | **7%** | **10%** | **14,200** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| East Leg | Inbound | 1,057 | 1,746 | | | |
| East Leg | Outbound | 1,560 | 1,589 | | | |
| **East Leg** | **TOTAL** | **2,617** | **3,335** | **7%** | **9%** | **39,000** |
| West Leg | Inbound | 871 | 1,379 | | | |
| West Leg | Outbound | 900 | 1,032 | | | |
| **West Leg** | **TOTAL** | **1,771** | **2,411** | **5%** | **7%** | **32,600** |
| ***OVERALL TOTAL*** | | ***5,320*** | ***7,120*** | **6%** | ***8%*** | ***85,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A01 Goetz_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Goetz Rd (NS) / Ethanac Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **18 192 121** | 2012 **13 208 159** |
| < v > | < v > |
| **11** ^ ^ **118** | **4** ^ ^ **109** |
| **19** > < **10** | **8** > < **20** |
| **2** v v **178** | **2** v v **178** |
| < ^ > | < ^ > |
| **1 130 120** | **1 90 133** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **317 886** | 2012 **1094 473** |
| v ^ | v ^ |
| **24** < IN = 1295 < **182** | **64** < IN = 1664 < **147** |
| **59** > OUT = 1295 > **126** | **33** > OUT = 1663 > **340** |
| v ^ | v ^ |
| **259 737** | **786 390** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1140 1400** | 2035 **1530 1484** |
| v ^ | v ^ |
| **1436** < IN = 5978 < **1314** | **2172** < IN = 7219 < **2433** |
| **1810** > OUT = 5977 > **2114** | **1806** > OUT = 7219 > **1647** |
| v ^ | v ^ |
| **1027 1714** | **1916 1450** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,900** | 2012 7,900 |
| N | N |
| **700** W **LEG** E **8,200** | 700 W + E 8,200 |
| S | S |
| **8,300** | 8,300 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **26,900** | 2035 26,900 |
| N | N |
| **43,600** W **LEG** E **50,700** | 43,600 W + E 50,700 |
| S | S |
| **32,300** | 32,300 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A02 Goetz_ Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 331 | 259 | |
| | | v | ^ | |
| 29 | < IN = | 920 | < | 306 |
| 32 | > OUT = | 920 | > | 260 |
| | | v | ^ | |
| | | 372 | 251 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 820 | 151 | |
| | | v | ^ | |
| 1410 | < | | < | 1130 |
| 948 | > | | > | 1990 |
| | | v | ^ | |
| | | 770 | 329 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 820 | 150 | |
| | | v | ^ | |
| 1410 | < | | < | 1130 |
| 950 | > | | > | 1990 |
| | | v | ^ | |
| | | 770 | 330 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1150 | 410 | |
| | | v | ^ | |
| 1440 | < IN = | 4150 | < | 1440 |
| 980 | > OUT = | 5240 | > | 2250 |
| | | v | ^ | * |
| | | 1140 | 580 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 380 | 203 | |
| | | v | ^ | |
| 34 | < IN = | 925 | < | 307 |
| 14 | > OUT = | 925 | > | 300 |
| | | v | ^ | |
| | | 388 | 224 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| MUL | < | | < | ADD |
| MUL | > | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 150 | 437 | |
| | | v | ^ | |
| 1116 | < | | < | 2290 |
| 756 | > | | > | 1150 |
| | | v | ^ | |
| | | 562 | 606 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 150 | 440 | |
| | | v | ^ | |
| 1120 | < | | < | 2290 |
| 760 | > | | > | 1150 |
| | | v | ^ | |
| | | 560 | 610 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 530 | 722 | |
| | | v | ^ | |
| 1298 | < IN = | 4730 | < | 2600 |
| 770 | > OUT = | 4730 | > | 1637 |
| | | v | ^ | * |
| | | 1072 | 830 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A02 Goetz_ Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Goetz Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 1 | 35 | 34 | 3400% | 1 | 19 | 18 | 1800% |
| | Through | 130 | 99 | -31 | -24% | 90 | 130 | 40 | 44% |
| | Right | 120 | 599 | 479 | 399% | 133 | 687 | 554 | 417% |
| | NB Total | 251 | 733 | 482 | 192% | 224 | 836 | 612 | 273% |
| SOUTH BOUND | Left | 121 | 553 | 432 | 357% | 159 | 313 | 154 | 97% |
| | Through | 192 | 323 | 131 | 68% | 208 | 126 | -82 | -39% |
| | Right | 18 | 576 | 558 | 3100% | 13 | 92 | 79 | 608% |
| | SB Total | 331 | 1,452 | 1,121 | 339% | 380 | 531 | 151 | 40% |
| EAST BOUND | Left | 11 | 97 | 86 | 782% | 4 | 89 | 85 | 2125% |
| | Through | 19 | 1,099 | 1,080 | 5684% | 8 | 637 | 629 | 7863% |
| | Right | 2 | 43 | 41 | 2050% | 2 | 49 | 47 | 2350% |
| | EB Total | 32 | 1,239 | 1,207 | 3772% | 14 | 775 | 761 | 5436% |
| WEST BOUND | Left | 178 | 775 | 597 | 335% | 178 | 898 | 720 | 404% |
| | Through | 10 | 829 | 819 | 8190% | 20 | 1,187 | 1,167 | 5835% |
| | Right | 118 | 213 | 95 | 81% | 109 | 503 | 394 | 361% |
| | WB Total | 306 | 1,817 | 1,511 | 494% | 307 | 2,588 | 2,281 | 743% |
| TOTAL ENTERING VOLUME | | 920 | 5,241 | 4321 | 470% | 925 | 4,730 | 3805 | 411% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,452 | 531 | | | |
| North Leg | Outbound | 409 | 722 | | | |
| **North Leg** | **TOTAL** | **1,861** | **1,253** | **7%** | **5%** | **26,900** |
| South Leg | Inbound | 733 | 836 | | | |
| South Leg | Outbound | 1,141 | 1,073 | | | |
| **South Leg** | **TOTAL** | **1,874** | **1,909** | **6%** | **6%** | **32,300** |
| East Leg | Inbound | 1,817 | 2,588 | | | |
| East Leg | Outbound | 2,251 | 1,637 | | | |
| **East Leg** | **TOTAL** | **4,068** | **4,225** | **8%** | **8%** | **50,700** |
| West Leg | Inbound | 1,239 | 775 | | | |
| West Leg | Outbound | 1,440 | 1,298 | | | |
| **West Leg** | **TOTAL** | **2,679** | **2,073** | **6%** | **5%** | **43,600** |
| ***OVERALL TOTAL*** | | ***10,482*** | ***9,460*** | ***7%*** | ***6%*** | ***153,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A02 Goetz_ Ethanac.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Murrieta Rd (NS) / Ethanac Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **10 26 9** | 2012 **1 78 14** |
| < v > | < v > |
| **1** ^ ^ **22** | **2** ^ ^ **7** |
| **222** > < **195** | **258** > < **254** |
| **35** v v **97** | **75** v v **152** |
| < ^ > | < ^ > |
| **91 126 119** | **56 73 109** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **50 412** | 2012 **447 114** |
| v ^ | v ^ |
| **171** < IN = 787 < **168** | **148** < IN = 1065 < **170** |
| **130** > OUT = 787 > **144** | **323** > OUT = 1065 > **297** |
| v ^ | v ^ |
| **60 439** | **506 125** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **406 465** | 2035 **645 587** |
| v ^ | v ^ |
| **1617** < IN = 4339 < **1709** | **2120** < IN = 5296 < **2500** |
| **1783** > OUT = 4337 > **2112** | **1798** > OUT = 5297 > **2001** |
| v ^ | v ^ |
| **143 441** | **589 353** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **2,400** | 2012 2,400 |
| N | N |
| **8,700** W **LEG** E **10,700** | 8,700 W + E 10,700 |
| S | S |
| **7,300** | 7,300 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **7,400** | 2035 7,400 |
| N | N |
| **50,700** W **LEG** E **57,700** | 50,700 W + E 57,700 |
| S | S |
| **9,300** | 9,300 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A03 Murrieta_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 45 | 149 | |
| | | v | ^ | |
| 296 | < IN = | 953 | < | 314 |
| 258 | > OUT = | 953 | > | 350 |
| | | v | ^ | |
| | | 158 | 336 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 325 | 21 | |
| | | v | ^ | |
| 1450 | < | | < | 1540 |
| 1650 | > | | > | 1970 |
| | | v | ^ | |
| | | 80 | 4 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 330 | 20 | |
| | | v | ^ | |
| 1450 | < | | < | 1540 |
| 1650 | > | | > | 1970 |
| | | v | ^ | |
| | | 80 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 380 | 170 | |
| | | v | ^ | |
| 1750 | < IN = | 4480 | < | 1850 |
| 1910 | > OUT = | 4480 | > | 2320 |
| | | v | ^ | * |
| | | 240 | 340 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 93 | 82 | |
| | | v | ^ | |
| 311 | < IN = | 1079 | < | 413 |
| 335 | > OUT = | 1079 | > | 381 |
| | | v | ^ | |
| | | 305 | 238 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 37 | 338 | |
| | | v | ^ | |
| 1970 | < | | < | 2330 |
| 1480 | > | | > | 1700 |
| | | v | ^ | |
| | | 55 | 230 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 40 | 340 | |
| | | v | ^ | |
| 1970 | < | | < | 2330 |
| 1480 | > | | > | 1700 |
| | | v | ^ | |
| | | 60 | 230 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 130 | 421 | |
| | | v | ^ | |
| 2284 | < IN = | 5160 | < | 2740 |
| 1820 | > OUT = | 5160 | > | 2084 |
| | | v | ^ | * |
| | | 371 | 470 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A03 Murrieta_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Murrieta Rd (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 91 | 82 | -9 | -10% | 56 | 56 | 0 | 0% |
| | Through | 126 | 66 | -60 | -48% | 73 | 217 | 144 | 197% |
| | Right | 119 | 193 | 74 | 62% | 109 | 201 | 92 | 84% |
| | NB Total | 336 | 341 | 5 | 1% | 238 | 474 | 236 | 99% |
| SOUTH BOUND | Left | 9 | 198 | 189 | 2100% | 14 | 80 | 66 | 471% |
| | Through | 26 | 61 | 35 | 135% | 78 | 49 | -29 | -37% |
| | Right | 10 | 122 | 112 | 1120% | 1 | 3 | 2 | 200% |
| | SB Total | 45 | 381 | 336 | 747% | 93 | 132 | 39 | 42% |
| EAST BOUND | Left | 1 | 3 | 2 | 200% | 2 | 23 | 21 | 1050% |
| | Through | 222 | 1,929 | 1,707 | 769% | 258 | 1,803 | 1,545 | 599% |
| | Right | 35 | 32 | -3 | -9% | 75 | 57 | -18 | -24% |
| | EB Total | 258 | 1,964 | 1,706 | 661% | 335 | 1,883 | 1,548 | 462% |
| WEST BOUND | Left | 97 | 147 | 50 | 52% | 152 | 265 | 113 | 74% |
| | Through | 195 | 1,546 | 1,351 | 693% | 254 | 2,225 | 1,971 | 776% |
| | Right | 22 | 101 | 79 | 359% | 7 | 181 | 174 | 2486% |
| | WB Total | 314 | 1,794 | 1,480 | 471% | 413 | 2,671 | 2,258 | 547% |
| TOTAL ENTERING VOLUME | | 953 | 4,480 | 3527 | 370% | 1,079 | 5,160 | 4081 | 378% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 381 | 132 | | | |
| North Leg | Outbound | 170 | 421 | | | |
| **North Leg** | **TOTAL** | **551** | **553** | **7%** | **7%** | **7,400** |
| South Leg | Inbound | 341 | 474 | | | |
| South Leg | Outbound | 240 | 371 | | | |
| **South Leg** | **TOTAL** | **581** | **845** | **6%** | **9%** | **9,300** |
| East Leg | Inbound | 1,794 | 2,671 | | | |
| East Leg | Outbound | 2,320 | 2,084 | | | |
| **East Leg** | **TOTAL** | **4,114** | **4,755** | **7%** | **8%** | **57,700** |
| West Leg | Inbound | 1,964 | 1,883 | | | |
| West Leg | Outbound | 1,750 | 2,284 | | | |
| **West Leg** | **TOTAL** | **3,714** | **4,167** | **7%** | **8%** | **50,700** |
| ***OVERALL TOTAL*** | | ***8,960*** | ***10,320*** | ***7%*** | ***8%*** | ***125,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A03 Murrieta_Ethanac.xls]Output (*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Murrieta Rd (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**61 172 68**

< v >

**74** ^ ^ **68**

**106** > < **53**

**3** v v **90**

< ^ >

**2 150 96**

EXISTING MODEL YEAR:

**2012**

**80 375**

v ^

**88** < IN = 1056 < **229**

**198** > OUT = 1056 > **392**

v ^

**201 549**

FUTURE MODEL YEAR:

**2035**

**93 269**

v ^

**281** < IN = 1748 < **524**

**575** > OUT = 1747 > **866**

v ^

**331 556**

EXISTING (COUNTED) ADTs BY LEG:

2012

**8,600**

N

**3,200** W **LEG** E **7,900**

S

**7,900**

REFINED FUTURE ADT'S BY LEG:

2035

**8,600**

N

**11,200** W **LEG** E **18,900**

S

**11,900**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**44 182 103**

< v >

**23** ^ ^ **106**

**63** > < **97**

**5** v v **115**

< ^ >

**1 181 98**

EXISTING MODEL YEAR:

2012

**469 133**

v ^

**291** < IN = 1385 < **462**

**130** > OUT = 1385 > **340**

v ^

**621 324**

FUTURE MODEL YEAR:

2035

**394 209**

v ^

**679** < IN = 2389 < **1018**

**442** > OUT = 2388 > **753**

v ^

**747 535**

EXISTING (COUNTED) ADTs BY LEG:

2012

8,600

N

3,200 W + E 7,900

S

7,900

REFINED FUTURE ADT'S BY LEG:

2035

8,600

N

11,200 W + E 18,900

S

11,900

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A04 Murrieta_ McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 301 | 292 | |
| | | v | ^ | |
| 116 < | IN = | 943 | < | 211 |
| 183 > | OUT = | 943 | > | 270 |
| | | v | ^ | |
| | | 265 | 248 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MIN | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 190 < | | | < | 269 |
| 347 > | | | > | 330 |
| | | v | ^ | |
| | | 130 | 2 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 10 | 0 | |
| | | v | ^ | |
| 190 < | | | < | 270 |
| 350 > | | | > | 330 |
| | | v | ^ | |
| | | 130 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 310 | 290 | |
| | | v | ^ | |
| 310 < | IN = | 1570 | < | 480 |
| 530 > | OUT = | 1600 | > | 600 |
| | | v | ^ | * |
| | | 400 | 250 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 329 | 310 | |
| | | v | ^ | |
| 142 < | IN = | 1018 | < | 318 |
| 91 > | OUT = | 1018 | > | 264 |
| | | v | ^ | |
| | | 302 | 280 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | ADD | |
| | | v | ^ | |
| MUL < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 80 | |
| | | v | ^ | |
| 188 < | | | < | 382 |
| 219 > | | | > | 316 |
| | | v | ^ | |
| | | 58 | 180 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 80 | |
| | | v | ^ | |
| 190 < | | | < | 380 |
| 220 > | | | > | 320 |
| | | v | ^ | |
| | | 60 | 180 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 330 | 423 | |
| | | v | ^ | |
| 358 < | IN = | 1800 | < | 700 |
| 310 > | OUT = | 1800 | > | 629 |
| | | v | ^ | * |
| | | 390 | 460 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A04 Murrieta_ McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Murrieta Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 2 | 6 | 4 | 200% | 1 | 2 | 1 | 100% |
| | Through | 150 | 102 | -48 | -32% | 181 | 214 | 33 | 18% |
| | Right | 96 | 145 | 49 | 51% | 98 | 244 | 146 | 149% |
| | NB Total | 248 | 253 | 5 | 2% | 280 | 460 | 180 | 64% |
| SOUTH BOUND | Left | 68 | 56 | -12 | -18% | 103 | 132 | 29 | 28% |
| | Through | 172 | 167 | -5 | -3% | 182 | 145 | -37 | -20% |
| | Right | 61 | 95 | 34 | 56% | 44 | 54 | 10 | 23% |
| | SB Total | 301 | 318 | 17 | 6% | 329 | 331 | 2 | 1% |
| EAST BOUND | Left | 74 | 124 | 50 | 68% | 23 | 44 | 21 | 91% |
| | Through | 106 | 398 | 292 | 275% | 63 | 254 | 191 | 303% |
| | Right | 3 | 13 | 10 | 333% | 5 | 13 | 8 | 160% |
| | EB Total | 183 | 535 | 352 | 192% | 91 | 311 | 220 | 242% |
| WEST BOUND | Left | 90 | 220 | 130 | 144% | 115 | 233 | 118 | 103% |
| | Through | 53 | 209 | 156 | 294% | 97 | 302 | 205 | 211% |
| | Right | 68 | 64 | -4 | -6% | 106 | 165 | 59 | 56% |
| | WB Total | 211 | 493 | 282 | 134% | 318 | 700 | 382 | 120% |
| TOTAL ENTERING VOLUME | | 943 | 1,599 | 656 | 70% | 1,018 | 1,802 | 784 | 77% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 318 | 331 | | | |
| North Leg | Outbound | 290 | 423 | | | |
| **North Leg** | **TOTAL** | **608** | **754** | **7%** | **9%** | **8,600** |
| | | | | | | |
| South Leg | Inbound | 253 | 460 | | | |
| South Leg | Outbound | 400 | 391 | | | |
| **South Leg** | **TOTAL** | **653** | **851** | **5%** | **7%** | **11,900** |
| | | | | | | |
| East Leg | Inbound | 493 | 700 | | | |
| East Leg | Outbound | 599 | 630 | | | |
| **East Leg** | **TOTAL** | **1,092** | **1,330** | **6%** | **7%** | **18,900** |
| | | | | | | |
| West Leg | Inbound | 535 | 311 | | | |
| West Leg | Outbound | 310 | 358 | | | |
| **West Leg** | **TOTAL** | **845** | **669** | **8%** | **6%** | **11,200** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***3,198*** | ***3,604*** | **6%** | ***7%*** | ***50,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A04 Murrieta_ McCall.xls]Output (*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Murrieta Rd (NS) / Cherry Hills Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **46 213 22** | 2012 **7 268 19** |
| < v > | < v > |
| **10** ^ ^ **18** | **9** ^ ^ **13** |
| **46** > < **18** | **33** > < **40** |
| **38** v v **33** | **4** v v **56** |
| < ^ > | < ^ > |
| **7 195 34** | **8 258 49** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **201 549** | 2012 **621 324** |
| v ^ | v ^ |
| **4** < IN = 787 < **29** | **10** < IN = 1004 < **36** |
| **6** > OUT = 788 > **23** | **9** > OUT = 1003 > **39** |
| v ^ | v ^ |
| **212 551** | **630 338** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **331 556** | 2035 **747 535** |
| v ^ | v ^ |
| **27** < IN = 918 < **25** | **61** < IN = 1335 < **75** |
| **54** > OUT = 918 > **28** | **42** > OUT = 1334 > **38** |
| v ^ | v ^ |
| **307 508** | **700 471** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,800** | 2012 7,800 |
| N | N |
| **1,400** W **LEG** E **2,800** | 1,400 W + E 2,800 |
| S | S |
| **8,700** | 8,700 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **11,900** | 2035 11,900 |
| N | N |
| **2,400** W **LEG** E **2,800** | 2,400 W + E 2,800 |
| S | S |
| **10,700** | 10,700 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A05 Murrieta_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 281 | 223 | |
| | | v | ^ | |
| 71 < | IN = | 680 | < | 69 |
| 94 > | OUT = | 680 | > | 102 |
| | | v | ^ | |
| | | 284 | 236 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 130 | 7 | |
| | | v | ^ | |
| 20 < | | | < | 0 |
| 50 > | | | > | 10 |
| | | v | ^ | |
| | | 100 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 130 | 10 | |
| | | v | ^ | |
| 20 < | | | < | 0 |
| 50 > | | | > | 10 |
| | | v | ^ | |
| | | 100 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 410 | 244 | |
| | | v | ^ | |
| 96 < | IN = | 860 | < | 70 |
| 140 > | OUT = | 860 | > | 117 |
| | | v | ^ | * |
| | | 403 | 240 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 294 | 280 | |
| | | v | ^ | |
| 55 < | IN = | 764 | < | 109 |
| 46 > | OUT = | 764 | > | 101 |
| | | v | ^ | |
| | | 328 | 315 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 56 | 180 | |
| | | v | ^ | |
| 50 < | | | < | 40 |
| 30 > | | | > | 0 |
| | | v | ^ | |
| | | 32 | 125 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 60 | 180 | |
| | | v | ^ | |
| 50 < | | | < | 40 |
| 30 > | | | > | 0 |
| | | v | ^ | |
| | | 30 | 130 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 350 | 460 | |
| | | v | ^ | |
| 110 < | IN = | 1030 | < | 150 |
| 80 > | OUT = | 1030 | > | 100 |
| | | v | ^ | * |
| | | 360 | 450 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A05 Murrieta_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Murrieta Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 7 | 7 | 0 | 0% | 8 | 14 | 6 | 75% |
| | Through | 195 | 207 | 12 | 6% | 258 | 409 | 151 | 59% |
| | Right | 34 | 27 | -7 | -21% | 49 | 34 | -15 | -31% |
| | NB Total | 236 | 241 | 5 | 2% | 315 | 457 | 142 | 45% |
| SOUTH BOUND | Left | 22 | 28 | 6 | 27% | 19 | 19 | 0 | 0% |
| | Through | 213 | 311 | 98 | 46% | 268 | 306 | 38 | 14% |
| | Right | 46 | 70 | 24 | 52% | 7 | 18 | 11 | 157% |
| | SB Total | 281 | 409 | 128 | 46% | 294 | 343 | 49 | 17% |
| EAST BOUND | Left | 10 | 18 | 8 | 80% | 9 | 28 | 19 | 211% |
| | Through | 46 | 62 | 16 | 35% | 33 | 46 | 13 | 39% |
| | Right | 38 | 60 | 22 | 58% | 4 | 6 | 2 | 50% |
| | EB Total | 94 | 140 | 46 | 49% | 46 | 80 | 34 | 74% |
| WEST BOUND | Left | 33 | 32 | -1 | -3% | 56 | 48 | -8 | -14% |
| | Through | 18 | 18 | 0 | 0% | 40 | 78 | 38 | 95% |
| | Right | 18 | 20 | 2 | 11% | 13 | 23 | 10 | 77% |
| | WB Total | 69 | 70 | 1 | 1% | 109 | 149 | 40 | 37% |
| TOTAL ENTERING VOLUME | | 680 | 860 | 180 | 26% | 764 | 1,029 | 265 | 35% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 409 | 343 | | | |
| North Leg | Outbound | 245 | 460 | | | |
| **North Leg** | **TOTAL** | **654** | **803** | **5%** | **7%** | **11,900** |
| South Leg | Inbound | 241 | 457 | | | |
| South Leg | Outbound | 403 | 360 | | | |
| **South Leg** | **TOTAL** | **644** | **817** | **6%** | **8%** | **10,700** |
| East Leg | Inbound | 70 | 149 | | | |
| East Leg | Outbound | 117 | 99 | | | |
| **East Leg** | **TOTAL** | **187** | **248** | **7%** | **9%** | **2,800** |
| West Leg | Inbound | 140 | 80 | | | |
| West Leg | Outbound | 95 | 110 | | | |
| **West Leg** | **TOTAL** | **235** | **190** | **10%** | **8%** | **2,400** |
| ***OVERALL TOTAL*** | | ***1,720*** | ***2,058*** | **6%** | ***7%*** | ***27,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A05 Murrieta_Cherry Hills.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Murrieta Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **114 41 445** | 2012 **134 58 330** |
| < v > | < v > |
| **103** ^ ^ **195** | **162** ^ ^ **318** |
| **674** > < **545** | **643** > < **759** |
| **15** v v **46** | **20** v v **49** |
| < ^ > | < ^ > |
| **19 38 26** | **54 56 52** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **407 578** | 2012 **746 530** |
| v ^ | v ^ |
| **676** < IN = 2183 < **722** | **911** < IN = 2720 < **799** |
| **724** > OUT = 2183 > **643** | **822** > OUT = 2721 > **875** |
| v ^ | v ^ |
| **286 330** | **405 353** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1388 1554** | 2035 **1940 1833** |
| v ^ | v ^ |
| **1233** < IN = 5073 < **1236** | **2047** < IN = 6550 < **2029** |
| **1716** > OUT = 5073 > **1539** | **1632** > OUT = 6551 > **1702** |
| v ^ | v ^ |
| **747 733** | **969 949** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **14,300** | 2012 14,300 |
| N | N |
| **23,900** W **LEG** E **29,000** | 23,900 W + E 29,000 |
| S | S |
| **3,900** | 3,900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **42,300** | 2035 42,300 |
| N | N |
| **44,900** W **LEG** E **50,000** | 44,900 W + E 50,000 |
| S | S |
| **15,900** | 15,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A06 Murrieta_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 600 | 336 | |
| | | v | ^ | |
| 678 < | IN = | 2261 | < | 786 |
| 792 > | OUT = | 2261 | > | 1145 |
| | | v | ^ | |
| | | 102 | 83 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 980 | 564 | |
| | | v | ^ | |
| 560 < | | | < | 510 |
| 990 > | | | > | 900 |
| | | v | ^ | |
| | | 168 | 97 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 980 | 560 | |
| | | v | ^ | |
| 560 < | | | < | 510 |
| 990 > | | | > | 900 |
| | | v | ^ | |
| | | 170 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1580 | 977 | |
| | | v | ^ | |
| 1346 < | IN = | 4840 | < | 1300 |
| 1780 > | OUT = | 4840 | > | 2225 |
| | | v | ^ | * |
| | | 293 | 180 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 522 | 536 | |
| | | v | ^ | |
| 947 < | IN = | 2635 | < | 1126 |
| 825 > | OUT = | 2635 | > | 1025 |
| | | v | ^ | |
| | | 127 | 162 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 838 | 1300 | |
| | | v | ^ | |
| 1140 < | | | < | 1230 |
| 810 > | | | > | 830 |
| | | v | ^ | |
| | | 173 | 278 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 840 | 1300 | |
| | | v | ^ | |
| 1140 < | | | < | 1230 |
| 810 > | | | > | 830 |
| | | v | ^ | |
| | | 170 | 280 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1360 | 1840 | |
| | | v | ^ | |
| 2090 < | IN = | 5800 | < | 2360 |
| 1640 > | OUT = | 6090 | > | 1860 |
| | | v | ^ | * |
| | | 300 | 440 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A06 Murrieta_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Murrieta Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 19 | 42 | 23 | 121% | 54 | 144 | 90 | 167% |
| | Through | 38 | 109 | 71 | 187% | 56 | 233 | 177 | 316% |
| | Right | 26 | 30 | 4 | 15% | 52 | 85 | 33 | 63% |
| | NB Total | 83 | 181 | 98 | 118% | 162 | 462 | 300 | 185% |
| SOUTH BOUND | Left | 445 | 947 | 502 | 113% | 330 | 752 | 422 | 128% |
| | Through | 41 | 168 | 127 | 310% | 58 | 179 | 121 | 209% |
| | Right | 114 | 465 | 351 | 308% | 134 | 496 | 362 | 270% |
| | SB Total | 600 | 1,580 | 980 | 163% | 522 | 1,427 | 905 | 173% |
| EAST BOUND | Left | 103 | 477 | 374 | 363% | 162 | 655 | 493 | 304% |
| | Through | 674 | 1,248 | 574 | 85% | 643 | 1,023 | 380 | 59% |
| | Right | 15 | 54 | 39 | 260% | 20 | 43 | 23 | 115% |
| | EB Total | 792 | 1,779 | 987 | 125% | 825 | 1,721 | 896 | 109% |
| WEST BOUND | Left | 46 | 71 | 25 | 54% | 49 | 78 | 29 | 59% |
| | Through | 545 | 839 | 294 | 54% | 759 | 1,450 | 691 | 91% |
| | Right | 195 | 391 | 196 | 101% | 318 | 951 | 633 | 199% |
| | WB Total | 786 | 1,301 | 515 | 66% | 1,126 | 2,479 | 1,353 | 120% |
| TOTAL ENTERING VOLUME | | 2,261 | 4,841 | 2580 | 114% | 2,635 | 6,089 | 3454 | 131% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,580 | 1,427 | | | |
| North Leg | Outbound | 977 | 1,839 | | | |
| **North Leg** | **TOTAL** | **2,557** | **3,266** | **6%** | **8%** | **42,300** |
| | | | | | | |
| South Leg | Inbound | 181 | 462 | | | |
| South Leg | Outbound | 293 | 300 | | | |
| **South Leg** | **TOTAL** | **474** | **762** | **3%** | **5%** | **15,900** |
| | | | | | | |
| East Leg | Inbound | 1,301 | 2,479 | | | |
| East Leg | Outbound | 2,225 | 1,860 | | | |
| **East Leg** | **TOTAL** | **3,526** | **4,339** | **7%** | **9%** | **50,000** |
| | | | | | | |
| West Leg | Inbound | 1,779 | 1,721 | | | |
| West Leg | Outbound | 1,346 | 2,090 | | | |
| **West Leg** | **TOTAL** | **3,125** | **3,811** | **7%** | **8%** | **44,900** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***9,682*** | ***12,178*** | **6%** | ***8%*** | ***153,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A06 Murrieta_Newport.xls]Output*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Murrieta Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **153** **0** **86** | 2012 **94** **0** **75** |
| < v > | < v > |
| **84** ^ ^ **70** | **218** ^ ^ **65** |
| **254** > < **275** | **417** > < **304** |
| **0** v v **0** | **0** v v **0** |
| < ^ > | < ^ > |
| **0** **0** **0** | **0** **0** **0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **95** **264** | 2012 **257** **196** |
| v ^ | v ^ |
| **316** < IN = 802 < **331** | **395** < IN = 965 < **249** |
| **376** > OUT = 802 > **222** | **459** > OUT = 964 > **373** |
| v ^ | v ^ |
| **0** **0** | **0** **0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **613** **628** | 2035 **862** **820** |
| v ^ | v ^ |
| **1280** < IN = 3458 < **1072** | **2277** < IN = 4465 < **1934** |
| **1773** > OUT = 3458 > **1550** | **1669** > OUT = 4465 > **1368** |
| v ^ | v ^ |
| **0** **0** | **0** **0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **6,100** | 2012 6,100 |
| N | N |
| **14,000** W **LEG** E **11,600** | 14,000 W + E 11,600 |
| S | S |
| **0** | 0 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **19,100** | 2035 19,100 |
| N | N |
| **45,000** W **LEG** E **38,600** | 45,000 W + E 38,600 |
| S | S |
| **0** | 0 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A07 Murrieta_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 239 | 154 | |
| | | v | ^ | |
| 428 | < IN = | 922 | < | 345 |
| 338 | > OUT = | 922 | > | 340 |
| | | v | ^ | |
| | | 0 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 520 | 216 | |
| | | v | ^ | |
| 960 | < | | < | 740 |
| 1252 | > | | > | 1330 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 520 | 220 | |
| | | v | ^ | |
| 960 | < | | < | 740 |
| 1250 | > | | > | 1330 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 760 | 371 | |
| | | v | ^ | |
| 1394 | < IN = | 3440 | < | 1090 |
| 1590 | > OUT = | 3440 | > | 1675 |
| | | v | ^ | * |
| | | 0 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 169 | 283 | |
| | | v | ^ | |
| 398 | < IN = | 1173 | < | 369 |
| 635 | > OUT = | 1173 | > | 492 |
| | | v | ^ | |
| | | 0 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 401 | 620 | |
| | | v | ^ | |
| 1880 | < | | < | 1690 |
| 1210 | > | | > | 1000 |
| | | v | ^ | |
| | | 0 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 400 | 620 | |
| | | v | ^ | |
| 1880 | < | | < | 1690 |
| 1210 | > | | > | 1000 |
| | | v | ^ | |
| | | 0 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 570 | 900 | |
| | | v | ^ | |
| 2280 | < IN = | 4480 | < | 2060 |
| 1850 | > OUT = | 4670 | > | 1490 |
| | | v | ^ | * |
| | | 0 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A07 Murrieta_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Murrieta Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 86 | 308 | 222 | 258% | 75 | 210 | 135 | 180% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 153 | 452 | 299 | 195% | 94 | 385 | 291 | 310% |
| | SB Total | 239 | 760 | 521 | 218% | 169 | 595 | 426 | 252% |
| EAST BOUND | Left | 84 | 226 | 142 | 169% | 218 | 636 | 418 | 192% |
| | Through | 254 | 1,367 | 1,113 | 438% | 417 | 1,280 | 863 | 207% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 338 | 1,593 | 1,255 | 371% | 635 | 1,916 | 1,281 | 202% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 275 | 943 | 668 | 243% | 304 | 1,895 | 1,591 | 523% |
| | Right | 70 | 145 | 75 | 107% | 65 | 264 | 199 | 306% |
| | WB Total | 345 | 1,088 | 743 | 215% | 369 | 2,159 | 1,790 | 485% |
| TOTAL ENTERING VOLUME | | 922 | 3,441 | 2519 | 273% | 1,173 | 4,670 | 3497 | 298% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 760 | 595 | | | |
| North Leg | Outbound | 371 | 900 | | | |
| **North Leg** | **TOTAL** | **1,131** | **1,495** | **6%** | **8%** | **19,100** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| East Leg | Inbound | 1,088 | 2,159 | | | |
| East Leg | Outbound | 1,675 | 1,490 | | | |
| **East Leg** | **TOTAL** | **2,763** | **3,649** | **7%** | **9%** | **38,600** |
| | | | | | | |
| West Leg | Inbound | 1,593 | 1,916 | | | |
| West Leg | Outbound | 1,395 | 2,280 | | | |
| **West Leg** | **TOTAL** | **2,988** | **4,196** | **7%** | **9%** | **45,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***6,882*** | ***9,340*** | ***7%*** | ***9%*** | ***102,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A07 Murrieta_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Bradley Rd (NS) / McCall Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **10** | **63** | **117** | | |
| | | < | v | > | | |
| **29** | ^ | | | | ^ | **52** |
| **470** | > | | | | < | **411** |
| **60** | v | | | | v | **451** |
| | | < | ^ | > | | |
| | | **37** | **34** | **295** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **36** | **42** | | |
| | | | v | ^ | | |
| **429** | < | IN = | 1531 | | < | **608** |
| **493** | > | OUT = | 1531 | | > | **795** |
| | | | v | ^ | | |
| | | | **265** | **394** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **77** | **115** | | |
| | | | v | ^ | | |
| **1066** | < | IN = | 3331 | | < | **1378** |
| **1164** | > | OUT = | 3330 | | > | **1666** |
| | | | v | ^ | | |
| | | | **483** | **712** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **4,400** | | | |
| | | | N | | | |
| **19,500** | W | | **LEG** | | E | **31,400** |
| | | | S | | | |
| | | | **15,600** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **6,400** | | | |
| | | | N | | | |
| **38,500** | W | | **LEG** | | E | **56,400** |
| | | | S | | | |
| | | | **24,600** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **19** | **41** | **104** | | |
| | | < | v | > | | |
| **43** | ^ | | | | ^ | **54** |
| **622** | > | | | | < | **630** |
| **58** | v | | | | v | **401** |
| | | < | ^ | > | | |
| | | **72** | **63** | **517** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **96** | **38** | | |
| | | | v | ^ | | |
| **605** | < | IN = | 2097 | | < | **978** |
| **641** | > | OUT = | 2097 | | > | **891** |
| | | | v | ^ | | |
| | | | **563** | **382** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **374** | **115** | | |
| | | | v | ^ | | |
| **1538** | < | IN = | 4971 | | < | **2227** |
| **1514** | > | OUT = | 4971 | | > | **2259** |
| | | | v | ^ | | |
| | | | **1059** | **856** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 4,400 | | | |
| | | | N | | | |
| 19,500 | W | | + | | E | 31,400 |
| | | | S | | | |
| | | | 15,600 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 6,400 | | | |
| | | | N | | | |
| 38,500 | W | | + | | E | 56,400 |
| | | | S | | | |
| | | | 24,600 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A08 Bradley_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Bradley Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | 115 | | |
| | | v | ^ | | |
| 458 | < IN | = | 2029 | < | 914 |
| 559 | > OUT | = | 2029 | > | 882 |
| | | v | ^ | | |
| | | 574 | 366 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | 70 | | |
| | | v | ^ | | |
| 640 | < | | | < | 770 |
| 670 | > | | | > | 870 |
| | | v | ^ | | |
| | | 220 | 294 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 40 | 70 | | |
| | | v | ^ | | |
| 640 | < | | | < | 770 |
| 670 | > | | | > | 870 |
| | | v | ^ | | |
| | | 220 | 290 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 230 | 190 | | |
| | | v | ^ | | |
| 1100 | < IN | = | 3800 | < | 1680 |
| 1230 | > OUT | = | 3830 | > | 1750 |
| | | v | ^ | * | |
| | | 790 | 660 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 164 | 160 | | |
| | | v | ^ | | |
| 721 | < IN | = | 2624 | < | 1085 |
| 723 | > OUT | = | 2624 | > | 1243 |
| | | v | ^ | | |
| | | 500 | 652 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 280 | 80 | | |
| | | v | ^ | | |
| 930 | < | | | < | 1250 |
| 870 | > | | | > | 1370 |
| | | v | ^ | | |
| | | 440 | 470 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 280 | 80 | | |
| | | v | ^ | | |
| 930 | < | | | < | 1250 |
| 870 | > | | | > | 1370 |
| | | v | ^ | | |
| | | 440 | 470 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 440 | 242 | | |
| | | v | ^ | | |
| 1665 | < IN | = | 5490 | < | 2340 |
| 1590 | > OUT | = | 5490 | > | 2634 |
| | | v | ^ | * | |
| | | 949 | 1120 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A08 Bradley_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Bradley Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 37 | 89 | 52 | 141% | 72 | 125 | 53 | 74% |
| | Through | 34 | 52 | 18 | 53% | 63 | 80 | 17 | 27% |
| | Right | 295 | 524 | 229 | 78% | 517 | 917 | 400 | 77% |
| | NB Total | 366 | 665 | 299 | 82% | 652 | 1,122 | 470 | 72% |
| SOUTH BOUND | Left | 117 | 151 | 34 | 29% | 104 | 296 | 192 | 185% |
| | Through | 63 | 63 | 0 | 0% | 41 | 91 | 50 | 122% |
| | Right | 10 | 17 | 7 | 70% | 19 | 53 | 34 | 179% |
| | SB Total | 190 | 231 | 41 | 22% | 164 | 440 | 276 | 168% |
| EAST BOUND | Left | 29 | 57 | 28 | 97% | 43 | 70 | 27 | 63% |
| | Through | 470 | 1,075 | 605 | 129% | 622 | 1,420 | 798 | 128% |
| | Right | 60 | 106 | 46 | 77% | 58 | 103 | 45 | 78% |
| | EB Total | 559 | 1,238 | 679 | 121% | 723 | 1,593 | 870 | 120% |
| WEST BOUND | Left | 451 | 621 | 170 | 38% | 401 | 755 | 354 | 88% |
| | Through | 411 | 994 | 583 | 142% | 630 | 1,487 | 857 | 136% |
| | Right | 52 | 80 | 28 | 54% | 54 | 93 | 39 | 72% |
| | WB Total | 914 | 1,695 | 781 | 85% | 1,085 | 2,335 | 1,250 | 115% |
| TOTAL ENTERING VOLUME | | 2,029 | 3,829 | 1800 | 89% | 2,624 | 5,490 | 2866 | 109% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 231 | 440 | | | |
| North Leg | Outbound | 189 | 243 | | | |
| **North Leg** | **TOTAL** | **420** | **683** | **7%** | **11%** | **6,400** |
| South Leg | Inbound | 665 | 1,122 | | | |
| South Leg | Outbound | 790 | 949 | | | |
| **South Leg** | **TOTAL** | **1,455** | **2,071** | **6%** | **8%** | **24,600** |
| East Leg | Inbound | 1,695 | 2,335 | | | |
| East Leg | Outbound | 1,750 | 2,633 | | | |
| **East Leg** | **TOTAL** | **3,445** | **4,968** | **6%** | **9%** | **56,400** |
| West Leg | Inbound | 1,238 | 1,593 | | | |
| West Leg | Outbound | 1,100 | 1,665 | | | |
| **West Leg** | **TOTAL** | **2,338** | **3,258** | **6%** | **8%** | **38,500** |
| ***OVERALL TOTAL*** | | ***7,658*** | ***10,980*** | **6%** | ***9%*** | ***125,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A08 Bradley_McCall.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Bradley Rd (NS) / Cherry Hills Bl (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **43** | **215** | **0** | |
| | | < | v | > | | |
| | **55** | ^ | | | ^ | **0** |
| | **0** | > | | | < | **0** |
| | **53** | v | | | v | **0** |
| | | < | ^ | > | | |
| | | | **82** | **233** | **0** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **265** | **394** | |
| | | | | v | ^ | |
| | **9** | < | IN = | | 670 < | **0** |
| | **8** | > | OUT = | | 669 > | **0** |
| | | | | v | ^ | |
| | | | | **266** | **397** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **483** | **712** | |
| | | | | v | ^ | |
| | **10** | < | IN = | | 1201 < | **0** |
| | **13** | > | OUT = | | 1200 > | **0** |
| | | | | v | ^ | |
| | | | | **478** | **705** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **10,400** | | |
| | | | N | | |
| | **4,600** | W | **LEG** | E | **0** |
| | | | S | | |
| | | | **11,100** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **24,600** | | |
| | | | N | | |
| | **5,600** | W | **LEG** | E | **0** |
| | | | S | | |
| | | | **20,100** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **69** | **272** | **0** | |
| | | < | v | > | | |
| | **77** | ^ | | | ^ | **0** |
| | **0** | > | | | < | **0** |
| | **72** | v | | | v | **0** |
| | | < | ^ | > | | |
| | | | **122** | **354** | **0** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **563** | **382** | |
| | | | | v | ^ | |
| | **10** | < | IN = | | 961 < | **0** |
| | **13** | > | OUT = | | 962 > | **0** |
| | | | | v | ^ | |
| | | | | **570** | **385** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **1059** | **856** | |
| | | | | v | ^ | |
| | **49** | < | IN = | | 1971 < | **0** |
| | **24** | > | OUT = | | 1971 > | **0** |
| | | | | v | ^ | |
| | | | | **1066** | **888** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 10,400 | | |
| | | | N | | |
| | 4,600 | W | + | E | 0 |
| | | | S | | |
| | | | 11,100 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 24,600 | | |
| | | | N | | |
| | 5,600 | W | + | E | 0 |
| | | | S | | |
| | | | 20,100 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A09 Bradley_Cherry Hills.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

| AM | | | | | PM | | | | |
|---|---|---|---|---|---|---|---|---|---|
| EXISTING COUNT YEAR: | | | | | EXISTING COUNT YEAR: | | | | |
| 2012 | | 258 | 288 | | 2012 | | 341 | 431 | |
| | | v | ^ | | | | v | ^ | |
| 125 < | IN = | 681 | < | 0 | 191 < | IN = | 966 | < | 0 |
| 108 > | OUT = | 681 | > | 0 | 149 > | OUT = | 966 | > | 0 |
| | | v | ^ | | | | v | ^ | |
| | | 268 | 315 | | | | 344 | 476 | |
| GROWTH CALCULATION DECISION RULE | | | | | | | | | |
| MIN = Minimum Count Growth Approach | | | | | MIN = Minimum Count Growth Approach | | | | |
| ADD = Additive (Growth Increment) Approach | | MUL | MUL | | ADD = Additive (Growth Increment) Approach | | MUL | ADD | |
| MUL = Multiplicative (Ratio) Approach | | v | ^ | | MUL = Multiplicative (Ratio) Approach | | v | ^ | |
| ADD < | | | < | MUL | ADD < | | | < | MUL |
| ADD > | | | > | MUL | ADD > | | | > | MUL |
| | | v | ^ | | | | v | ^ | |
| | | ADD | MUL | | | | MUL | ADD | |
| MINIMUM GROWTH %s 2012 TO 2035 | | | | | | | | | |
| | | 0% | 0% | | | | 0% | 0% | |
| | | v | ^ | | | | v | ^ | |
| 0% < | | | < | 0% | 0% < | | | < | 0% |
| 0% > | | | > | 0% | 0% > | | | > | 0% |
| | | v | ^ | | | | v | ^ | |
| | | 0% | 0% | | | | 0% | 0% | |
| REFINED GROWTH: 2012 TO 2035 | | | | | ADJUSTED GROWTH: 2012 TO 2035 | | | | |
| | | 212 | 232 | | | | 299 | 470 | |
| | | v | ^ | | | | v | ^ | |
| 0 < | | | < | 0 | 40 < | | | < | 0 |
| 10 > | | | > | 0 | 10 > | | | > | 0 |
| | | v | ^ | | | | v | ^ | |
| | | 210 | 245 | | | | 296 | 500 | |
| PRORATED GROWTH: 2012 TO 2035 | | | | | PRORATED GROWTH: 2012 TO 2035 | | | | |
| 23 YEARS | | 210 | 230 | | 23 YEARS | | 300 | 470 | |
| | | v | ^ | | | | v | ^ | |
| 0 < | | | < | 0 | 40 < | | | < | 0 |
| 10 > | | | > | 0 | 10 > | | | > | 0 |
| | | v | ^ | | | | v | ^ | |
| | | 210 | 250 | | | | 300 | 500 | |
| NEW PROJECTED VOLUMES: 2035 | | | | | NEW PROJECTED VOLUMES: 2035 | | | | |
| | | 470 | 534 | | | | 640 | 905 | |
| | | v | ^ | | | | v | ^ | |
| 133 < | IN = | 1160 | < | 0 | 231 < | IN = | 1780 | < | 0 |
| 120 > | OUT = | 1160 | > | 0 | 160 > | OUT = | 1780 | > | 0 |
| | | v | ^ | * | | | v | ^ | * |
| | | 493 | 570 | | | | 644 | 980 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A09 Bradley_Cherry Hills.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Bradley Rd (NS) / Cherry Hills Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 82 | 91 | 9 | 11% | 122 | 155 | 33 | 27% |
| | Through | 233 | 476 | 243 | 104% | 354 | 824 | 470 | 133% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 315 | 567 | 252 | 80% | 476 | 979 | 503 | 106% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 215 | 430 | 215 | 100% | 272 | 565 | 293 | 108% |
| | Right | 43 | 42 | -1 | -2% | 69 | 76 | 7 | 10% |
| | SB Total | 258 | 472 | 214 | 83% | 341 | 641 | 300 | 88% |
| EAST BOUND | Left | 55 | 58 | 3 | 5% | 77 | 82 | 5 | 6% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 62 | 9 | 17% | 72 | 78 | 6 | 8% |
| | EB Total | 108 | 120 | 12 | 11% | 149 | 160 | 11 | 7% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| TOTAL ENTERING VOLUME | | 681 | 1,159 | 478 | 70% | 966 | 1,780 | 814 | 84% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 472 | 641 | | | |
| North Leg | Outbound | 534 | 906 | | | |
| **North Leg** | **TOTAL** | **1,006** | **1,547** | **4%** | **6%** | **24,600** |
| South Leg | Inbound | 567 | 979 | | | |
| South Leg | Outbound | 492 | 643 | | | |
| **South Leg** | **TOTAL** | **1,059** | **1,622** | **5%** | **8%** | **20,100** |
| East Leg | Inbound | 0 | 0 | | | |
| East Leg | Outbound | 0 | 0 | | | |
| **East Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| West Leg | Inbound | 120 | 160 | | | |
| West Leg | Outbound | 133 | 231 | | | |
| **West Leg** | **TOTAL** | **253** | **391** | **5%** | **7%** | **5,600** |
| ***OVERALL TOTAL*** | | ***2,318*** | ***3,560*** | **5%** | ***7%*** | ***50,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A09 Bradley_Cherry Hills.xls]Outpu*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Bradley Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **93** **205** **201** | 2012 **74** **152** **219** |
| < v > | < v > |
| **119** ^ ^ **128** | **108** ^ ^ **276** |
| **792** > < **555** | **671** > < **872** |
| **119** v v **225** | **78** v v **172** |
| < ^ > | < ^ > |
| **174** **246** **325** | **110** **151** **129** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **175** **260** | 2012 **357** **233** |
| v ^ | v ^ |
| **701** < IN = 1869 < **762** | **906** < IN = 2351 < **943** |
| **777** > OUT = 1869 > **765** | **905** > OUT = 2352 > **985** |
| v ^ | v ^ |
| **143** **155** | **228** **146** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **275** **490** | 2035 **772** **552** |
| v ^ | v ^ |
| **1101** < IN = 3387 < **1163** | **2030** < IN = 4846 < **1854** |
| **1586** > OUT = 3388 > **1533** | **1607** > OUT = 4846 > **1746** |
| v ^ | v ^ |
| **264** **363** | **518** **613** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **13,200** | 2012 13,200 |
| N | N |
| **25,800** W **LEG** E **31,600** | 25,800 W + E 31,600 |
| S | S |
| **10,700** | 10,700 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **15,200** | 2035 15,200 |
| N | N |
| **43,800** W **LEG** E **49,600** | 43,800 W + E 49,600 |
| S | S |
| **15,700** | 15,700 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A10 Bradley_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Bradley Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 499 | 493 | | |
| | | v | ^ | | |
| 822 | < IN | = | 3182 | < | 908 |
| 1030 | > OUT | = | 3182 | > | 1318 |
| | | v | ^ | | |
| | | 549 | 745 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 230 | | |
| | | v | ^ | | |
| 400 | < | | | < | 400 |
| 810 | > | | | > | 770 |
| | | v | ^ | | |
| | | 120 | 210 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 230 | | |
| | | v | ^ | | |
| 400 | < | | | < | 400 |
| 810 | > | | | > | 770 |
| | | v | ^ | | |
| | | 120 | 210 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 600 | 722 | | |
| | | v | ^ | | |
| 1223 | < IN | = | 4710 | < | 1310 |
| 1840 | > OUT | = | 4710 | > | 2094 |
| | | v | ^ | * | |
| | | 671 | 960 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 445 | 535 | | |
| | | v | ^ | | |
| 1056 | < IN | = | 3012 | < | 1320 |
| 857 | > OUT | = | 3012 | > | 1019 |
| | | v | ^ | | |
| | | 402 | 390 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 420 | 320 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 910 |
| 663 | > | | | > | 760 |
| | | v | ^ | | |
| | | 290 | 470 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 420 | 320 | | |
| | | v | ^ | | |
| 1120 | < | | | < | 910 |
| 660 | > | | | > | 760 |
| | | v | ^ | | |
| | | 290 | 470 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 870 | 860 | | |
| | | v | ^ | | |
| 2180 | < IN | = | 5480 | < | 2230 |
| 1520 | > OUT | = | 5510 | > | 1780 |
| | | v | ^ | * | |
| | | 690 | 860 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A10 Bradley_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Bradley Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 174 | 238 | 64 | 37% | 110 | 324 | 214 | 195% |
| | Through | 246 | 315 | 69 | 28% | 151 | 302 | 151 | 100% |
| | Right | 325 | 406 | 81 | 25% | 129 | 239 | 110 | 85% |
| | NB Total | 745 | 959 | 214 | 29% | 390 | 865 | 475 | 122% |
| SOUTH BOUND | Left | 201 | 253 | 52 | 26% | 219 | 374 | 155 | 71% |
| | Through | 205 | 219 | 14 | 7% | 152 | 298 | 146 | 96% |
| | Right | 93 | 128 | 35 | 38% | 74 | 201 | 127 | 172% |
| | SB Total | 499 | 600 | 101 | 20% | 445 | 873 | 428 | 96% |
| EAST BOUND | Left | 119 | 221 | 102 | 86% | 108 | 203 | 95 | 88% |
| | Through | 792 | 1,435 | 643 | 81% | 671 | 1,166 | 495 | 74% |
| | Right | 119 | 183 | 64 | 54% | 78 | 156 | 78 | 100% |
| | EB Total | 1,030 | 1,839 | 809 | 79% | 857 | 1,525 | 668 | 78% |
| WEST BOUND | Left | 225 | 269 | 44 | 20% | 172 | 236 | 64 | 37% |
| | Through | 555 | 856 | 301 | 54% | 872 | 1,655 | 783 | 90% |
| | Right | 128 | 185 | 57 | 45% | 276 | 356 | 80 | 29% |
| | WB Total | 908 | 1,310 | 402 | 44% | 1,320 | 2,247 | 927 | 70% |
| TOTAL ENTERING VOLUME | | 3,182 | 4,708 | 1526 | 48% | 3,012 | 5,510 | 2498 | 83% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 600 | 873 | | | |
| North Leg | Outbound | 721 | 861 | | | |
| **North Leg** | **TOTAL** | **1,321** | **1,734** | **9%** | **11%** | **15,200** |
| South Leg | Inbound | 959 | 865 | | | |
| South Leg | Outbound | 671 | 690 | | | |
| **South Leg** | **TOTAL** | **1,630** | **1,555** | **10%** | **10%** | **15,700** |
| East Leg | Inbound | 1,310 | 2,247 | | | |
| East Leg | Outbound | 2,094 | 1,779 | | | |
| **East Leg** | **TOTAL** | **3,404** | **4,026** | **7%** | **8%** | **49,600** |
| West Leg | Inbound | 1,839 | 1,525 | | | |
| West Leg | Outbound | 1,222 | 2,180 | | | |
| **West Leg** | **TOTAL** | **3,061** | **3,705** | **7%** | **8%** | **43,800** |
| ***OVERALL TOTAL*** | | ***9,416*** | ***11,020*** | **8%** | ***9%*** | ***124,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A10 Bradley_Newport.xls]Output (3*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Ethanac Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **141 1 43** | 2012 **265 3 86** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **441** > < **440** | **395** > < **411** |
| **318** v v **113** | **330** v v **82** |
| < ^ > | < ^ > |
| **0 0 0** | **0 0 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **144 0** | 2012 **394 0** |
| v ^ | v ^ |
| **251** < IN = 694 < **324** | **326** < IN = 1043 < **242** |
| **226** > OUT = 693 > **264** | **407** > OUT = 1042 > **501** |
| v ^ | v ^ |
| **178 0** | **215 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **486 0** | 2035 **356 0** |
| v ^ | v ^ |
| **2041** < IN = 4585 < **2162** | **2339** < IN = 5049 < **2459** |
| **1937** > OUT = 4584 > **2150** | **2234** > OUT = 5049 > **2243** |
| v ^ | v ^ |
| **393 0** | **467 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **4,800** | 2012 4,800 |
| N | N |
| **18,900** W **LEG** E **13,200** | 18,900 W + E 13,200 |
| S | S |
| **5,600** | 5,600 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **8,800** | 2035 8,800 |
| N | N |
| **65,900** W **LEG** E **64,200** | 65,900 W + E 64,200 |
| S | S |
| **9,600** | 9,600 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A11 I-215 SB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 185 | 0 | | |
| | | v | ^ | | |
| 581 | < IN | = | 1497 | < | 553 |
| 759 | > OUT | = | 1497 | > | 484 |
| | | v | ^ | | |
| | | 432 | 0 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 340 | 0 | | |
| | | v | ^ | | |
| 1790 | < | | | < | 1840 |
| 1710 | > | | | > | 1890 |
| | | v | ^ | | |
| | | 220 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 340 | 0 | | |
| | | v | ^ | | |
| 1790 | < | | | < | 1840 |
| 1710 | > | | | > | 1890 |
| | | v | ^ | | |
| | | 220 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 530 | 0 | | |
| | | v | ^ | | |
| 2370 | < IN | = | 5390 | < | 2390 |
| 2470 | > OUT | = | 5390 | > | 2370 |
| | | v | ^ | * | |
| | | 650 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 354 | 0 | | |
| | | v | ^ | | |
| 676 | < IN | = | 1572 | < | 493 |
| 725 | > OUT | = | 1572 | > | 481 |
| | | v | ^ | | |
| | | 415 | 0 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | MUL |
| | | v | ^ | | |
| | | ADD | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 2010 | < | | | < | 2220 |
| 1830 | > | | | > | 1669 |
| | | v | ^ | | |
| | | 250 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 2010 | < | | | < | 2220 |
| 1830 | > | | | > | 1670 |
| | | v | ^ | | |
| | | 250 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 350 | 0 | | |
| | | v | ^ | | |
| 2744 | < IN | = | 5620 | < | 2710 |
| 2560 | > OUT | = | 5620 | > | 2193 |
| | | v | ^ | * | |
| | | 683 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A11 I-215 SB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 SB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 43 | 220 | 177 | 412% | 86 | 111 | 25 | 29% |
| | Through | 1 | 1 | 0 | 0% | 3 | 1 | -2 | -67% |
| | Right | 141 | 307 | 166 | 118% | 265 | 238 | -27 | -10% |
| | SB Total | 185 | 528 | 343 | 185% | 354 | 350 | -4 | -1% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 441 | 2,150 | 1,709 | 388% | 395 | 2,082 | 1,687 | 427% |
| | Right | 318 | 360 | 42 | 13% | 330 | 484 | 154 | 47% |
| | EB Total | 759 | 2,510 | 1,751 | 231% | 725 | 2,566 | 1,841 | 254% |
| WEST BOUND | Left | 113 | 288 | 175 | 155% | 82 | 199 | 117 | 143% |
| | Through | 440 | 2,063 | 1,623 | 369% | 411 | 2,506 | 2,095 | 510% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 553 | 2,351 | 1,798 | 325% | 493 | 2,705 | 2,212 | 449% |
| TOTAL ENTERING VOLUME | | 1,497 | 5,389 | 3892 | 260% | 1,572 | 5,621 | 4049 | 258% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 528 | 350 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **528** | **350** | **6%** | **4%** | **8,800** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 649 | 684 | | | |
| **South Leg** | **TOTAL** | **649** | **684** | **7%** | **7%** | **9,600** |
| East Leg | Inbound | 2,351 | 2,705 | | | |
| East Leg | Outbound | 2,370 | 2,193 | | | |
| **East Leg** | **TOTAL** | **4,721** | **4,898** | **7%** | **8%** | **64,200** |
| West Leg | Inbound | 2,510 | 2,566 | | | |
| West Leg | Outbound | 2,370 | 2,744 | | | |
| **West Leg** | **TOTAL** | **4,880** | **5,310** | **7%** | **8%** | **65,900** |
| ***OVERALL TOTAL*** | | ***10,778*** | ***11,242*** | ***7%*** | ***8%*** | ***148,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A11 I-215 SB Ramps_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 SB Ramps (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **184** **0** **120** | 2012 **373** **2** **295** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **648** > < **730** | **909** > < **712** |
| **234** v v **389** | **334** v v **285** |
| < ^ > | < ^ > |
| **0** **0** **0** | **0** **0** **0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **295** **0** | 2012 **358** **0** |
| v ^ | v ^ |
| **608** < IN = 1540 < **450** | **978** < IN = 1955 < **706** |
| **795** > OUT = 1541 > **692** | **891** > OUT = 1955 > **721** |
| v ^ | v ^ |
| **241** **0** | **256** **0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **483** **0** | 2035 **342** **0** |
| v ^ | v ^ |
| **1378** < IN = 3589 < **1440** | **2227** < IN = 4872 < **2271** |
| **1666** > OUT = 3589 > **1665** | **2259** > OUT = 4873 > **1755** |
| v ^ | v ^ |
| **546** **0** | **891** **0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **9,100** | 2012 9,100 |
| N | N |
| **31,400** W **LEG** E **29,700** | 31,400 W + E 29,700 |
| S | S |
| **8,400** | 8,400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **9,100** | 2035 9,100 |
| N | N |
| **56,400** W **LEG** E **57,700** | 56,400 W + E 57,700 |
| S | S |
| **8,400** | 8,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A12 I-215 SB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 304 | | 0 | |
| | | v | | ^ | |
| 914 | < | IN | = | 2305 | < 1119 |
| 882 | > | OUT | = | 2305 | > 768 |
| | | v | | ^ | |
| | | 623 | | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | | 0 | |
| | | v | | ^ | |
| 770 | < | | | | < 990 |
| 870 | > | | | | > 970 |
| | | v | | ^ | |
| | | 310 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 190 | | 0 | |
| | | v | | ^ | |
| 770 | < | | | | < 990 |
| 870 | > | | | | > 970 |
| | | v | | ^ | |
| | | 310 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 490 | | 0 | | |
| | | v | | ^ | | |
| 1680 | < | IN | = | 4350 | < | 2110 |
| 1750 | > | OUT | = | 4350 | > | 1740 |
| | | v | | ^ | * | |
| | | 930 | | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 670 | | 0 | |
| | | v | | ^ | |
| 1085 | < | IN | = | 2910 | < 997 |
| 1243 | > | OUT | = | 2910 | > 1204 |
| | | v | | ^ | |
| | | 621 | | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | | MUL | |
| | | v | | ^ | |
| ADD | < | | | | < ADD |
| ADD | > | | | | > ADD |
| | | v | | ^ | |
| | | ADD | | MUL | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | | 0% | |
| | | v | | ^ | |
| 0% | < | | | | < 0% |
| 0% | > | | | | > 0% |
| | | v | | ^ | |
| | | 0% | | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1250 | < | | | | < 1570 |
| 1370 | > | | | | > 1030 |
| | | v | | ^ | |
| | | 640 | | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | | 0 | |
| | | v | | ^ | |
| 1250 | < | | | | < 1570 |
| 1370 | > | | | | > 1030 |
| | | v | | ^ | |
| | | 640 | | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 670 | | 0 | | |
| | | v | | ^ | | |
| 2348 | < | IN | = | 5850 | < | 2570 |
| 2610 | > | OUT | = | 5850 | > | 2238 |
| | | v | | ^ | * | |
| | | 1264 | | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A12 I-215 SB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 SB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 120 | 254 | 134 | 112% | 295 | 275 | -20 | -7% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 2 | 0 | 0% |
| | Right | 184 | 237 | 53 | 29% | 373 | 393 | 20 | 5% |
| | SB Total | 304 | 491 | 187 | 62% | 670 | 670 | 0 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 648 | 1,486 | 838 | 129% | 909 | 1,962 | 1,053 | 116% |
| | Right | 234 | 277 | 43 | 18% | 334 | 644 | 310 | 93% |
| | EB Total | 882 | 1,763 | 881 | 100% | 1,243 | 2,606 | 1,363 | 110% |
| WEST BOUND | Left | 389 | 653 | 264 | 68% | 285 | 618 | 333 | 117% |
| | Through | 730 | 1,443 | 713 | 98% | 712 | 1,955 | 1,243 | 175% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,119 | 2,096 | 977 | 87% | 997 | 2,573 | 1,576 | 158% |
| TOTAL ENTERING VOLUME | | 2,305 | 4,350 | 2045 | 89% | 2,910 | 5,849 | 2939 | 101% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 491 | 670 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **491** | **670** | **5%** | **7%** | **9,100** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 930 | 1,264 | | | |
| **South Leg** | **TOTAL** | **930** | **1,264** | **11%** | **15%** | **8,400** |
| East Leg | Inbound | 2,096 | 2,573 | | | |
| East Leg | Outbound | 1,740 | 2,237 | | | |
| **East Leg** | **TOTAL** | **3,836** | **4,810** | **7%** | **8%** | **57,700** |
| West Leg | Inbound | 1,763 | 2,606 | | | |
| West Leg | Outbound | 1,680 | 2,348 | | | |
| **West Leg** | **TOTAL** | **3,443** | **4,954** | **6%** | **9%** | **56,400** |
| ***OVERALL TOTAL*** | | ***8,700*** | ***11,698*** | ***7%*** | ***9%*** | ***131,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A12 I-215 SB Ramps_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Haun Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **42 41 90** | 2012 **103 90 245** |
| < v > | < v > |
| **95** ^ ^ **247** | **80** ^ ^ **156** |
| **1050** > < **784** | **846** > < **1098** |
| **139** v v **334** | **289** v v **551** |
| < ^ > | < ^ > |
| **85 35 224** | **312 63 530** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **0 0** | 2012 **0 0** |
| v ^ | v ^ |
| **813** < IN = 1772 < **849** | **1040** < IN = 2238 < **1101** |
| **868** > OUT = 1772 > **910** | **1061** > OUT = 2238 > **1122** |
| v ^ | v ^ |
| **49 55** | **76 76** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **0 0** | 2035 **0 0** |
| v ^ | v ^ |
| **1441** < IN = 3896 < **1829** | **1851** < IN = 5039 < **2217** |
| **1601** > OUT = 3895 > **1773** | **1957** > OUT = 5038 > **2429** |
| v ^ | v ^ |
| **681 466** | **758 865** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **10,000** | 2012 10,000 |
| N | N |
| **36,800** W **LEG** E **48,500** | 36,800 W + E 48,500 |
| S | S |
| **24,800** | 24,800 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **10,000** | 2035 10,000 |
| N | N |
| **56,800** W **LEG** E **75,500** | 56,800 W + E 75,500 |
| S | S |
| **42,800** | 42,800 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A13 Haun_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Haun Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 173 | 377 | | |
| | | v | ^ | | |
| 911 | < IN | = | 3166 | < | 1365 |
| 1284 | > OUT | = | 3166 | > | 1364 |
| | | v | ^ | | |
| | | 514 | 344 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 630 | < | | | < | 980 |
| 730 | > | | | > | 860 |
| | | v | ^ | | |
| | | 630 | 410 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 630 | < | | | < | 980 |
| 730 | > | | | > | 860 |
| | | v | ^ | | |
| | | 630 | 410 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 170 | 380 | | |
| | | v | ^ | | |
| 1540 | < IN | = | 5280 | < | 2350 |
| 2010 | > OUT | = | 5280 | > | 2220 |
| | | v | ^ | * | |
| | | 1140 | 750 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 438 | 299 | | |
| | | v | ^ | | |
| 1513 | < IN | = | 4363 | < | 1805 |
| 1215 | > OUT | = | 4363 | > | 1621 |
| | | v | ^ | | |
| | | 930 | 905 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 810 | < | | | < | 1120 |
| 900 | > | | | > | 1310 |
| | | v | ^ | | |
| | | 680 | 790 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 810 | < | | | < | 1120 |
| 900 | > | | | > | 1310 |
| | | v | ^ | | |
| | | 680 | 790 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 440 | 301 | | |
| | | v | ^ | | |
| 2330 | < IN | = | 7190 | < | 2930 |
| 2120 | > OUT | = | 7190 | > | 2942 |
| | | v | ^ | * | |
| | | 1617 | 1700 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A13 Haun_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Haun Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 85 | 190 | 105 | 124% | 312 | 512 | 200 | 64% |
| | Through | 35 | 47 | 12 | 34% | 63 | 67 | 4 | 6% |
| | Right | 224 | 513 | 289 | 129% | 530 | 1,122 | 592 | 112% |
| | NB Total | 344 | 750 | 406 | 118% | 905 | 1,701 | 796 | 88% |
| SOUTH BOUND | Left | 90 | 81 | -9 | -10% | 245 | 264 | 19 | 8% |
| | Through | 41 | 51 | 10 | 24% | 90 | 90 | 0 | 0% |
| | Right | 42 | 37 | -5 | -12% | 103 | 86 | -17 | -17% |
| | SB Total | 173 | 169 | -4 | -2% | 438 | 440 | 2 | 0% |
| EAST BOUND | Left | 95 | 86 | -9 | -9% | 80 | 74 | -6 | -8% |
| | Through | 1,050 | 1,626 | 576 | 55% | 846 | 1,556 | 710 | 84% |
| | Right | 139 | 298 | 159 | 114% | 289 | 491 | 202 | 70% |
| | EB Total | 1,284 | 2,010 | 726 | 57% | 1,215 | 2,121 | 906 | 75% |
| WEST BOUND | Left | 334 | 791 | 457 | 137% | 551 | 1,036 | 485 | 88% |
| | Through | 784 | 1,312 | 528 | 67% | 1,098 | 1,732 | 634 | 58% |
| | Right | 247 | 247 | 0 | 0% | 156 | 160 | 4 | 3% |
| | WB Total | 1,365 | 2,350 | 985 | 72% | 1,805 | 2,928 | 1,123 | 62% |
| TOTAL ENTERING VOLUME | | 3,166 | 5,279 | 2113 | 67% | 4,363 | 7,190 | 2827 | 65% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 169 | 440 | | | |
| North Leg | Outbound | 380 | 301 | | | |
| **North Leg** | **TOTAL** | **549** | **741** | **5%** | **7%** | **10,000** |
| | | | | | | |
| South Leg | Inbound | 750 | 1,701 | | | |
| South Leg | Outbound | 1,140 | 1,617 | | | |
| **South Leg** | **TOTAL** | **1,890** | **3,318** | **4%** | **8%** | **42,800** |
| | | | | | | |
| East Leg | Inbound | 2,350 | 2,928 | | | |
| East Leg | Outbound | 2,220 | 2,942 | | | |
| **East Leg** | **TOTAL** | **4,570** | **5,870** | **6%** | **8%** | **75,500** |
| | | | | | | |
| West Leg | Inbound | 2,010 | 2,121 | | | |
| West Leg | Outbound | 1,539 | 2,330 | | | |
| **West Leg** | **TOTAL** | **3,549** | **4,451** | **6%** | **8%** | **56,800** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***10,558*** | ***14,380*** | **6%** | ***8%*** | ***185,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A13 Haun_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Haun Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **61 9 403** | 2012 **39 4 281** |
| < v > | < v > |
| **62** ^ ^ **267** | **52** ^ ^ **371** |
| **344** > < **312** | **540** > < **368** |
| **8** v v **5** | **4** v v **10** |
| < ^ > | < ^ > |
| **5 30 1** | **2 4 3** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **77 190** | 2012 **216 143** |
| v ^ | v ^ |
| **349** < IN = 871 < **527** | **289** < IN = 1041 < **409** |
| **261** > OUT = 871 > **323** | **402** > OUT = 1041 > **602** |
| v ^ | v ^ |
| **9 6** | **7 14** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **288 287** | 2035 **326 452** |
| v ^ | v ^ |
| **1224** < IN = 3530 < **1653** | **1603** < IN = 4394 < **1528** |
| **1198** > OUT = 3531 > **1015** | **1594** > OUT = 4395 > **1738** |
| v ^ | v ^ |
| **1005 391** | **602 946** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **8,600** | 2012 8,600 |
| N | N |
| **13,600** W **LEG** E **20,000** | 13,600 W + E 20,000 |
| S | S |
| **400** | 400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **13,600** | 2035 13,600 |
| N | N |
| **38,600** W **LEG** E **48,000** | 38,600 W + E 48,000 |
| S | S |
| **17,400** | 17,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A14 Haun_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Haun Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 473 | 359 | | |
| | | v | ^ | | |
| 378 | < IN | = | 1507 | < | 584 |
| 414 | > OUT | = | 1507 | > | 748 |
| | | v | ^ | | |
| | | 22 | 36 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 210 | 100 | | |
| | | v | ^ | | |
| 880 | < | | | < | 1130 |
| 940 | > | | | > | 690 |
| | | v | ^ | | |
| | | 1000 | 390 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 210 | 100 | | |
| | | v | ^ | | |
| 880 | < | | | < | 1130 |
| 940 | > | | | > | 690 |
| | | v | ^ | | |
| | | 1000 | 390 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 680 | 460 | | |
| | | v | ^ | | |
| 1260 | < IN | = | 4170 | < | 1710 |
| 1350 | > OUT | = | 4180 | > | 1440 |
| | | v | ^ | * | |
| | | 1020 | 430 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 324 | 427 | | |
| | | v | ^ | | |
| 409 | < IN | = | 1678 | < | 749 |
| 596 | > OUT | = | 1678 | > | 824 |
| | | v | ^ | | |
| | | 18 | 9 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 110 | 310 | | |
| | | v | ^ | | |
| 1310 | < | | | < | 1120 |
| 1190 | > | | | > | 1140 |
| | | v | ^ | | |
| | | 600 | 601 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 110 | 310 | | |
| | | v | ^ | | |
| 1310 | < | | | < | 1120 |
| 1190 | > | | | > | 1140 |
| | | v | ^ | | |
| | | 600 | 600 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 430 | 740 | | |
| | | v | ^ | | |
| 1720 | < IN | = | 4700 | < | 1870 |
| 1790 | > OUT | = | 5040 | > | 1960 |
| | | v | ^ | * | |
| | | 620 | 610 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A14 Haun_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Haun Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 5 | 159 | 154 | 3080% | 2 | 302 | 300 | 15000% |
| | Through | 30 | 222 | 192 | 640% | 4 | 191 | 187 | 4675% |
| | Right | 1 | 44 | 43 | 4300% | 3 | 163 | 160 | 5333% |
| | NB Total | 36 | 425 | 389 | 1081% | 9 | 656 | 647 | 7189% |
| SOUTH BOUND | Left | 403 | 454 | 51 | 13% | 281 | 270 | -11 | -4% |
| | Through | 9 | 186 | 177 | 1967% | 4 | 85 | 81 | 2025% |
| | Right | 61 | 49 | -12 | -20% | 39 | 104 | 65 | 167% |
| | SB Total | 473 | 689 | 216 | 46% | 324 | 459 | 135 | 42% |
| EAST BOUND | Left | 62 | 28 | -34 | -55% | 52 | 129 | 77 | 148% |
| | Through | 344 | 941 | 597 | 174% | 540 | 1,526 | 986 | 183% |
| | Right | 8 | 401 | 393 | 4913% | 4 | 250 | 246 | 6150% |
| | EB Total | 414 | 1,370 | 956 | 231% | 596 | 1,905 | 1,309 | 220% |
| WEST BOUND | Left | 5 | 433 | 428 | 8560% | 10 | 285 | 275 | 2750% |
| | Through | 312 | 1,052 | 740 | 237% | 368 | 1,314 | 946 | 257% |
| | Right | 267 | 210 | -57 | -21% | 371 | 420 | 49 | 13% |
| | WB Total | 584 | 1,695 | 1,111 | 190% | 749 | 2,019 | 1,270 | 170% |
| TOTAL ENTERING VOLUME | | 1,507 | 4,179 | 2672 | 177% | 1,678 | 5,039 | 3361 | 200% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 689 | 459 | | | |
| North Leg | Outbound | 460 | 740 | | | |
| **North Leg** | **TOTAL** | **1,149** | **1,199** | **8%** | **9%** | **13,600** |
| South Leg | Inbound | 425 | 656 | | | |
| South Leg | Outbound | 1,020 | 620 | | | |
| **South Leg** | **TOTAL** | **1,445** | **1,276** | **8%** | **7%** | **17,400** |
| East Leg | Inbound | 1,695 | 2,019 | | | |
| East Leg | Outbound | 1,439 | 1,959 | | | |
| **East Leg** | **TOTAL** | **3,134** | **3,978** | **7%** | **8%** | **48,000** |
| West Leg | Inbound | 1,370 | 1,905 | | | |
| West Leg | Outbound | 1,260 | 1,720 | | | |
| **West Leg** | **TOTAL** | **2,630** | **3,625** | **7%** | **9%** | **38,600** |
| ***OVERALL TOTAL*** | | ***8,358*** | ***10,078*** | ***7%*** | ***9%*** | ***117,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A14 Haun_Scott.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **I-215 SB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**244 0 397**
< v >
**0** ^ ^ **0**
**940** > < **1121**
**424** v v **621**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

**2012**

**250 0**
v ^
**849** < IN = 2510 < **1350**
**910** > OUT = 2511 > **746**
v ^
**916 0**

FUTURE MODEL YEAR:

**2035**

**760 0**
v ^
**1829** < IN = 4302 < **1769**
**1773** > OUT = 4302 > **1539**
v ^
**934 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

**13,600**
N
**48,500** W **LEG** E **46,500**
S
**9,800**

REFINED FUTURE ADT'S BY LEG:

2035

**17,600**
N
**75,500** W **LEG** E **64,500**
S
**9,800**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**491 2 512**
< v >
**0** ^ ^ **0**
**1260** > < **1314**
**361** v v **359**
< ^ >
**0 0 0**

EXISTING MODEL YEAR:

2012

**601 0**
v ^
**1101** < IN = 3231 < **1508**
**1122** > OUT = 3232 > **1445**
v ^
**686 0**

FUTURE MODEL YEAR:

2035

**598 0**
v ^
**2217** < IN = 5378 < **2351**
**2429** > OUT = 5379 > **2283**
v ^
**879 0**

EXISTING (COUNTED) ADTs BY LEG:

2012

13,600
N
48,500 W + E 46,500
S
9,800

REFINED FUTURE ADT'S BY LEG:

2035

17,600
N
75,500 W + E 64,500
S
9,800

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A15 I-215 SB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 641 | 0 | |
| | | v | ^ | |
| 1365 | < IN | = 3747 | < | 1742 |
| 1364 | > OUT | = 3747 | > | 1337 |
| | | v | ^ | |
| | | 1045 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 510 | 0 | |
| | | v | ^ | |
| 980 | < | | < | 420 |
| 860 | > | | > | 790 |
| | | v | ^ | |
| | | 20 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 510 | 0 | |
| | | v | ^ | |
| 980 | < | | < | 420 |
| 860 | > | | > | 790 |
| | | v | ^ | |
| | | 20 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1150 | 0 | |
| | | v | ^ | |
| 2350 | < IN | = 5530 | < | 2160 |
| 2220 | > OUT | = 5550 | > | 2130 |
| | | v | ^ | * |
| | | 1070 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 1005 | 0 | |
| | | v | ^ | |
| 1805 | < IN | = 4299 | < | 1673 |
| 1621 | > OUT | = 4299 | > | 1772 |
| | | v | ^ | |
| | | 722 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1120 | < | | < | 840 |
| 1310 | > | | > | 840 |
| | | v | ^ | |
| | | 190 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1120 | < | | < | 840 |
| 1310 | > | | > | 840 |
| | | v | ^ | |
| | | 190 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1010 | 0 | |
| | | v | ^ | |
| 2930 | < IN | = 6450 | < | 2510 |
| 2930 | > OUT | = 6450 | > | 2610 |
| | | v | ^ | * |
| | | 910 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A15 I-215 SB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 SB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 397 | 536 | 139 | 35% | 512 | 340 | -172 | -34% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 1 | -1 | -50% |
| | Right | 244 | 619 | 375 | 154% | 491 | 674 | 183 | 37% |
| | SB Total | 641 | 1,155 | 514 | 80% | 1,005 | 1,015 | 10 | 1% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 940 | 1,594 | 654 | 70% | 1,260 | 2,270 | 1,010 | 80% |
| | Right | 424 | 626 | 202 | 48% | 361 | 623 | 262 | 73% |
| | EB Total | 1,364 | 2,220 | 856 | 63% | 1,621 | 2,893 | 1,272 | 78% |
| WEST BOUND | Left | 621 | 444 | -177 | -29% | 359 | 285 | -74 | -21% |
| | Through | 1,121 | 1,731 | 610 | 54% | 1,314 | 2,256 | 942 | 72% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 1,742 | 2,175 | 433 | 25% | 1,673 | 2,541 | 868 | 52% |
| TOTAL ENTERING VOLUME | | 3,747 | 5,550 | 1803 | 48% | 4,299 | 6,449 | 2150 | 50% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,155 | 1,015 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **1,155** | **1,015** | **7%** | **6%** | **17,600** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 1,070 | 909 | | | |
| **South Leg** | **TOTAL** | **1,070** | **909** | **11%** | **9%** | **9,800** |
| East Leg | Inbound | 2,175 | 2,541 | | | |
| East Leg | Outbound | 2,130 | 2,610 | | | |
| **East Leg** | **TOTAL** | **4,305** | **5,151** | **7%** | **8%** | **64,500** |
| West Leg | Inbound | 2,220 | 2,893 | | | |
| West Leg | Outbound | 2,350 | 2,930 | | | |
| **West Leg** | **TOTAL** | **4,570** | **5,823** | **6%** | **8%** | **75,500** |
| ***OVERALL TOTAL*** | | ***11,100*** | ***12,898*** | ***7%*** | ***8%*** | ***167,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A15 I-215 SB Ramps_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 SB Ramps (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **95 0 282** | 2012 **122 2 405** |
| < v > | < v > |
| **0** ^ ^ **0** | **0** ^ ^ **0** |
| **404** > < **489** | **603** > < **627** |
| **344** v v **464** | **221** v v **435** |
| < ^ > | < ^ > |
| **0 0 0** | **0 0 0** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **349 0** | 2012 **468 0** |
| v ^ | v ^ |
| **567** < IN = 1266 < **578** | **432** < IN = 1623 < **513** |
| **339** > OUT = 1265 > **410** | **642** > OUT = 1623 > **847** |
| v ^ | v ^ |
| **288 0** | **344 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **492 0** | 2035 **205 0** |
| v ^ | v ^ |
| **1980** < IN = 3234 < **1636** | **1696** < IN = 4144 < **1805** |
| **1106** > OUT = 3235 > **821** | **2134** > OUT = 4144 > **1755** |
| v ^ | v ^ |
| **434 0** | **693 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,100** | 2012 7,100 |
| N | N |
| **20,000** W **LEG** E **28,000** | 20,000 W + E 28,000 |
| S | S |
| **8,900** | 8,900 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **7,100** | 2035 7,100 |
| N | N |
| **48,000** W **LEG** E **47,000** | 48,000 W + E 47,000 |
| S | S |
| **11,900** | 11,900 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A16 I-215 SB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 377 | 0 | |
| | | v | ^ | |
| 584 | < IN | = | 2078 | < 953 |
| 748 | > OUT | = | 2078 | > 686 |
| | | v | ^ | |
| | | 808 | 0 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 140 | 0 | |
| | | v | ^ | |
| 1410 | < | | | < 1060 |
| 770 | > | | | > 410 |
| | | v | ^ | |
| | | 150 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 140 | 0 | |
| | | v | ^ | |
| 1410 | < | | | < 1060 |
| 770 | > | | | > 410 |
| | | v | ^ | |
| | | 150 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 520 | 0 | |
| | | v | ^ | |
| 1990 | < IN | = | 4050 | < 2010 |
| 1520 | > OUT | = | 4050 | > 1100 |
| | | v | ^ | * |
| | | 960 | 0 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 529 | 0 | |
| | | v | ^ | |
| 749 | < IN | = | 2415 | < 1062 |
| 824 | > OUT | = | 2415 | > 1008 |
| | | v | ^ | |
| | | 658 | 0 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MUL | |
| | | v | ^ | |
| ADD | < | | | < ADD |
| ADD | > | | | > ADD |
| | | v | ^ | |
| | | ADD | MUL | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | | < 0% |
| 0% | > | | | > 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1260 | < | | | < 1290 |
| 1490 | > | | | > 910 |
| | | v | ^ | |
| | | 350 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1260 | < | | | < 1290 |
| 1490 | > | | | > 910 |
| | | v | ^ | |
| | | 350 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 530 | 0 | |
| | | v | ^ | |
| 2112 | < IN | = | 5190 | < 2350 |
| 2310 | > OUT | = | 5190 | > 2017 |
| | | v | ^ | * |
| | | 1061 | 0 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A16 I-215 SB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 SB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 282 | 222 | -60 | -21% | 405 | 304 | -101 | -25% |
| | Through | 0 | 0 | 0 | #DIV/0! | 2 | 1 | -1 | -50% |
| | Right | 95 | 298 | 203 | 214% | 122 | 224 | 102 | 84% |
| | SB Total | 377 | 520 | 143 | 38% | 529 | 529 | 0 | 0% |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 404 | 878 | 474 | 117% | 603 | 1,714 | 1,111 | 184% |
| | Right | 344 | 625 | 281 | 82% | 221 | 572 | 351 | 159% |
| | EB Total | 748 | 1,503 | 755 | 101% | 824 | 2,286 | 1,462 | 177% |
| WEST BOUND | Left | 464 | 335 | -129 | -28% | 435 | 487 | 52 | 12% |
| | Through | 489 | 1,692 | 1,203 | 246% | 627 | 1,888 | 1,261 | 201% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 953 | 2,027 | 1,074 | 113% | 1,062 | 2,375 | 1,313 | 124% |
| TOTAL ENTERING VOLUME | | 2,078 | 4,050 | 1972 | 95% | 2,415 | 5,190 | 2775 | 115% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 520 | 529 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **520** | **529** | **7%** | **7%** | **7,100** |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 960 | 1,060 | | | |
| **South Leg** | **TOTAL** | **960** | **1,060** | **8%** | **9%** | **11,900** |
| East Leg | Inbound | 2,027 | 2,375 | | | |
| East Leg | Outbound | 1,100 | 2,018 | | | |
| **East Leg** | **TOTAL** | **3,127** | **4,393** | **7%** | **9%** | **47,000** |
| West Leg | Inbound | 1,503 | 2,286 | | | |
| West Leg | Outbound | 1,990 | 2,112 | | | |
| **West Leg** | **TOTAL** | **3,493** | **4,398** | **7%** | **9%** | **48,000** |
| ***OVERALL TOTAL*** | | ***8,100*** | ***10,380*** | ***7%*** | ***9%*** | ***114,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A16 I-215 SB Ramps_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Ethanac Rd (EW)**

## AM PEAK HOUR

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **164** | ^ | | | ^ | **43** |
| | **320** | > | | | < | **290** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **263** | **6** | **138** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **356** | |
| | | | | v | ^ | |
| | **324** | < | IN | = | 926 | < **426** |
| | **264** | > | OUT | = | 926 | > **246** |
| | | | | v | ^ | |
| | | | | **0** | **236** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **262** | |
| | | | | v | ^ | |
| | **2162** | < | IN | = | 4714 | < **1974** |
| | **2150** | > | OUT | = | 4715 | > **2291** |
| | | | | v | ^ | |
| | | | | **0** | **590** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **3,200** | | |
| | | | N | | |
| | **13,200** | W | **LEG** | E | **11,300** |
| | | | S | | |
| | | | **5,200** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **7,200** | | |
| | | | N | | |
| | **64,200** | W | **LEG** | E | **67,300** |
| | | | S | | |
| | | | **10,200** | | |

## PM PEAK HOUR

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | | < | v | > | |
| | **168** | ^ | | | ^ | **69** |
| | **313** | > | | | < | **280** |
| | **0** | v | | | v | **0** |
| | | | < | ^ | > | |
| | | | **213** | **1** | **174** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **164** | |
| | | | | v | ^ | |
| | **242** | < | IN | = | 969 | < **235** |
| | **501** | > | OUT | = | 969 | > **563** |
| | | | | v | ^ | |
| | | | | **0** | **233** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **609** | |
| | | | | v | ^ | |
| | **2459** | < | IN | = | 5517 | < **2770** |
| | **2243** | > | OUT | = | 5517 | > **2449** |
| | | | | v | ^ | |
| | | | | **0** | **504** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 3,200 | | |
| | | | N | | |
| | 13,200 | W | + | E | 11,300 |
| | | | S | | |
| | | | 5,200 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 7,200 | | |
| | | | N | | |
| | 64,200 | W | + | E | 67,300 |
| | | | S | | |
| | | | 10,200 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A17 I-215 NB Ramps_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 213 | | |
| | | v | ^ | | |
| 553 | < IN | = | 1224 | < | 333 |
| 484 | > OUT | = | 1224 | > | 458 |
| | | v | ^ | | |
| | | 0 | 407 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | MUL |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1840 | < | | | < | 1207 |
| 1890 | > | | | > | 2050 |
| | | v | ^ | | |
| | | 0 | 350 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1840 | < | | | < | 1210 |
| 1890 | > | | | > | 2050 |
| | | v | ^ | | |
| | | 0 | 350 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 210 | | |
| | | v | ^ | | |
| 2390 | < IN | = | 4670 | < | 1540 |
| 2370 | > OUT | = | 5110 | > | 2510 |
| | | v | ^ | * | |
| | | 0 | 760 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 238 | | |
| | | v | ^ | | |
| 493 | < IN | = | 1218 | < | 349 |
| 481 | > OUT | = | 1218 | > | 487 |
| | | v | ^ | | |
| | | 0 | 388 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | MUL |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 2220 | < | | | < | 2540 |
| 1669 | > | | | > | 1633 |
| | | v | ^ | | |
| | | 0 | 270 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 2220 | < | | | < | 2540 |
| 1670 | > | | | > | 1630 |
| | | v | ^ | | |
| | | 0 | 270 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 713 | | |
| | | v | ^ | | |
| 2798 | < IN | = | 5700 | < | 2890 |
| 2150 | > OUT | = | 5700 | > | 2189 |
| | | v | ^ | * | |
| | | 0 | 660 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A17 I-215 NB Ramps_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 NB Ramps (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 263 | 662 | 399 | 152% | 213 | 287 | 74 | 35% |
| | Through | 6 | 1 | -5 | -83% | 1 | 1 | 0 | 0% |
| | Right | 138 | 187 | 49 | 36% | 174 | 374 | 200 | 115% |
| | NB Total | 407 | 850 | 443 | 109% | 388 | 662 | 274 | 71% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 164 | 187 | 23 | 14% | 168 | 353 | 185 | 110% |
| | Through | 320 | 2,323 | 2,003 | 626% | 313 | 1,815 | 1,502 | 480% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 484 | 2,510 | 2,026 | 419% | 481 | 2,168 | 1,687 | 351% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 290 | 1,728 | 1,438 | 496% | 280 | 2,512 | 2,232 | 797% |
| | Right | 43 | 22 | -21 | -49% | 69 | 359 | 290 | 420% |
| | WB Total | 333 | 1,750 | 1,417 | 426% | 349 | 2,871 | 2,522 | 723% |
| TOTAL ENTERING VOLUME | | 1,224 | 5,110 | 3886 | 317% | 1,218 | 5,701 | 4483 | 368% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 210 | 713 | | | |
| **North Leg** | **TOTAL** | **210** | **713** | **3%** | **10%** | **7,200** |
| | | | | | | |
| South Leg | Inbound | 850 | 662 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **850** | **662** | **8%** | **6%** | **10,200** |
| | | | | | | |
| East Leg | Inbound | 1,750 | 2,871 | | | |
| East Leg | Outbound | 2,510 | 2,189 | | | |
| **East Leg** | **TOTAL** | **4,260** | **5,060** | **6%** | **8%** | **67,300** |
| | | | | | | |
| West Leg | Inbound | 2,510 | 2,168 | | | |
| West Leg | Outbound | 2,390 | 2,799 | | | |
| **West Leg** | **TOTAL** | **4,900** | **4,967** | **8%** | **8%** | **64,200** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***10,220*** | ***11,402*** | ***7%*** | ***8%*** | ***148,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A17 I-215 NB Ramps_Ethanac.xls]Output (3)*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **I-215 NB Ramps (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **0** **0** **0** | 2012 **0** **0** **0** |
| < v > | < v > |
| **256** ^ ^ **186** | **264** ^ ^ **112** |
| **512** > < **923** | **940** > < **731** |
| **0** v v **0** | **0** v v **0** |
| < ^ > | < ^ > |
| **196** **2** **229** | **266** **1** **423** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **0** **349** | 2012 **0** **435** |
| v ^ | v ^ |
| **450** < IN = 1299 < **398** | **706** < IN = 1656 < **603** |
| **692** > OUT = 1299 > **500** | **721** > OUT = 1656 > **515** |
| v ^ | v ^ |
| **0** **209** | **0** **332** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **0** **256** | 2035 **0** **381** |
| v ^ | v ^ |
| **1440** < IN = 3407 < **1271** | **2271** < IN = 4383 < **2094** |
| **1665** > OUT = 3408 > **1712** | **1755** > OUT = 4382 > **1730** |
| v ^ | v ^ |
| **0** **471** | **0** **534** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **5,100** | 2012 5,100 |
| N | N |
| **29,700** W **LEG** E **29,800** | 29,700 W + E 29,800 |
| S | S |
| **9,300** | 9,300 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **5,100** | 2035 5,100 |
| N | N |
| **57,700** W **LEG** E **58,800** | 57,700 W + E 58,800 |
| S | S |
| **13,300** | 13,300 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A18 I-215 NB Ramps_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 444 | | |
| | | v | ^ | | |
| 1119 | < IN | = | 2304 | < | 1109 |
| 768 | > OUT | = | 2304 | > | 741 |
| | | v | ^ | | |
| | | 0 | 427 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 990 | < | | | < | 870 |
| 970 | > | | | > | 1210 |
| | | v | ^ | | |
| | | 0 | 260 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 990 | < | | | < | 870 |
| 970 | > | | | > | 1210 |
| | | v | ^ | | |
| | | 0 | 260 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 440 | | |
| | | v | ^ | | |
| 2110 | < IN | = | 4410 | < | 1980 |
| 1740 | > OUT | = | 4500 | > | 1950 |
| | | v | ^ | * | |
| | | 0 | 690 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 377 | | |
| | | v | ^ | | |
| 997 | < IN | = | 2737 | < | 843 |
| 1204 | > OUT | = | 2737 | > | 1363 |
| | | v | ^ | | |
| | | 0 | 690 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1570 | < | | | < | 1490 |
| 1030 | > | | | > | 1220 |
| | | v | ^ | | |
| | | 0 | 200 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1570 | < | | | < | 1490 |
| 1030 | > | | | > | 1220 |
| | | v | ^ | | |
| | | 0 | 200 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 380 | | |
| | | v | ^ | | |
| 2570 | < IN | = | 5450 | < | 2330 |
| 2230 | > OUT | = | 5530 | > | 2580 |
| | | v | ^ | * | |
| | | 0 | 890 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A18 I-215 NB Ramps_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 NB Ramps (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 196 | 272 | 76 | 39% | 266 | 346 | 80 | 30% |
| | Through | 2 | 1 | -1 | -50% | 1 | 1 | 0 | 0% |
| | Right | 229 | 431 | 202 | 88% | 423 | 556 | 133 | 31% |
| | NB Total | 427 | 704 | 277 | 65% | 690 | 903 | 213 | 31% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 256 | 264 | 8 | 3% | 264 | 236 | -28 | -11% |
| | Through | 512 | 1,519 | 1,007 | 197% | 940 | 2,024 | 1,084 | 115% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 768 | 1,783 | 1,015 | 132% | 1,204 | 2,260 | 1,056 | 88% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 923 | 1,838 | 915 | 99% | 731 | 2,224 | 1,493 | 204% |
| | Right | 186 | 175 | -11 | -6% | 112 | 143 | 31 | 28% |
| | WB Total | 1,109 | 2,013 | 904 | 82% | 843 | 2,367 | 1,524 | 181% |
| TOTAL ENTERING VOLUME | | 2,304 | 4,500 | 2196 | 95% | 2,737 | 5,530 | 2793 | 102% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 440 | 380 | | | |
| **North Leg** | **TOTAL** | **440** | **380** | **9%** | **7%** | **5,100** |
| South Leg | Inbound | 704 | 903 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **704** | **903** | **5%** | **7%** | **13,300** |
| East Leg | Inbound | 2,013 | 2,367 | | | |
| East Leg | Outbound | 1,950 | 2,580 | | | |
| **East Leg** | **TOTAL** | **3,963** | **4,947** | **7%** | **8%** | **58,800** |
| West Leg | Inbound | 1,783 | 2,260 | | | |
| West Leg | Outbound | 2,110 | 2,570 | | | |
| **West Leg** | **TOTAL** | **3,893** | **4,830** | **7%** | **8%** | **57,700** |
| ***OVERALL TOTAL*** | | ***9,000*** | ***11,060*** | ***7%*** | ***8%*** | ***134,900*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A18 I-215 NB Ramps_McCall.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**0 0 0**
< v >
**253** ^ ^ **404**
**1084** > < **1500**
**0** v v **0**
< ^ >
**242 1 370**

EXISTING MODEL YEAR:

**2012**

**0 458**
v ^
**1350** < IN = 3106 < **1609**
**745** > OUT = 3105 > **1297**
v ^
**0 752**

FUTURE MODEL YEAR:

**2035**

**0 526**
v ^
**1769** < IN = 4105 < **1676**
**1539** > OUT = 4105 > **1810**
v ^
**0 890**

EXISTING (COUNTED) ADTs BY LEG:

2012

**9,700**
N
**46,500** W **LEG** E **52,700**
S
**16,600**

REFINED FUTURE ADT'S BY LEG:

2035

**14,700**
N
**64,500** W **LEG** E **60,700**
S
**16,600**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**0 0 0**
< v >
**356** ^ ^ **359**
**1416** > < **1148**
**0** v v **0**
< ^ >
**525 0 707**

EXISTING MODEL YEAR:

2012

**0 352**
v ^
**1508** < IN = 3859 < **1469**
**1445** > OUT = 3859 > **1999**
v ^
**0 945**

FUTURE MODEL YEAR:

2035

**0 787**
v ^
**2351** < IN = 5304 < **2075**
**2283** > OUT = 5303 > **2165**
v ^
**0 946**

EXISTING (COUNTED) ADTs BY LEG:

2012

9,700
N
46,500 W + E 52,700
S
16,600

REFINED FUTURE ADT'S BY LEG:

2035

14,700
N
64,500 W + E 60,700
S
16,600

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A19 I-215 NB Ramps_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

```
                    0   658
                    v     ^
1742 <  IN   =  3854 <  1904
1337 >  OUT  =  3854 >  1454
                    v     ^
                    0   613
```

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                MUL   ADD
                  v     ^
ADD  <                 <  ADD
ADD  >                 >  ADD
                  v     ^
                MUL   MUL
```

MINIMUM GROWTH %s 2012 TO 2035

```
                   0%    0%
                    v     ^
   0% <                <    0%
   0% >                >    0%
                    v     ^
                   0%    0%
```

REFINED GROWTH: 2012 TO 2035

```
                    0    70
                    v     ^
 420 <                <    70
 790 >                >   510
                    v     ^
                    0   117
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0    70
                    v     ^
 420 <                <    70
 790 >                >   510
                    v     ^
                    0   120
```

NEW PROJECTED VOLUMES: 2035

```
                    0   730
                    v     ^
2160 <  IN   =  4830 <  1970
2130 >  OUT  =  4850 >  1960
                    v     ^   *
                    0   730
```

**PM**

EXISTING COUNT YEAR:
2012

```
                    0   715
                    v     ^
1673 <  IN   =  4511 <  1507
1772 >  OUT  =  4511 >  2123
                    v     ^
                    0  1232
```

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

```
                MUL   ADD
                  v     ^
ADD  <                 <  ADD
ADD  >                 >  ADD
                  v     ^
                MUL   ADD
```

```
                   0%    0%
                    v     ^
   0% <                <    0%
   0% >                >    0%
                    v     ^
                   0%    0%
```

ADJUSTED GROWTH: 2012 TO 2035

```
                    0   440
                    v     ^
 840 <                <   610
 840 >                >   170
                    v     ^
                    0     0
```

PRORATED GROWTH: 2012 TO 2035
23 YEARS

```
                    0   440
                    v     ^
 840 <                <   610
 840 >                >   170
                    v     ^
                    0     0
```

NEW PROJECTED VOLUMES: 2035

```
                    0  1160
                    v     ^
2510 <  IN   =  5960 <  2120
2610 >  OUT  =  5960 >  2290
                    v     ^   *
                    0  1230
```

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A19 I-215 NB Ramps_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 NB Ramps (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 242 | 426 | 184 | 76% | 525 | 774 | 249 | 47% |
| | Through | 1 | 1 | 0 | 0% | 0 | 0 | 0 | #DIV/0! |
| | Right | 370 | 308 | -62 | -17% | 707 | 458 | -249 | -35% |
| | NB Total | 613 | 735 | 122 | 20% | 1,232 | 1,232 | 0 | 0% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 253 | 464 | 211 | 83% | 356 | 764 | 408 | 115% |
| | Through | 1,084 | 1,652 | 568 | 52% | 1,416 | 1,832 | 416 | 29% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 1,337 | 2,116 | 779 | 58% | 1,772 | 2,596 | 824 | 47% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 1,500 | 1,734 | 234 | 16% | 1,148 | 1,736 | 588 | 51% |
| | Right | 404 | 265 | -139 | -34% | 359 | 396 | 37 | 10% |
| | WB Total | 1,904 | 1,999 | 95 | 5% | 1,507 | 2,132 | 625 | 41% |
| TOTAL ENTERING VOLUME | | 3,854 | 4,850 | 996 | 26% | 4,511 | 5,960 | 1449 | 32% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 730 | 1,160 | | | |
| **North Leg** | **TOTAL** | **730** | **1,160** | **5%** | **8%** | **14,700** |
| South Leg | Inbound | 735 | 1,232 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **735** | **1,232** | **4%** | **7%** | **16,600** |
| East Leg | Inbound | 1,999 | 2,132 | | | |
| East Leg | Outbound | 1,960 | 2,290 | | | |
| **East Leg** | **TOTAL** | **3,959** | **4,422** | **7%** | **7%** | **60,700** |
| West Leg | Inbound | 2,116 | 2,596 | | | |
| West Leg | Outbound | 2,160 | 2,510 | | | |
| **West Leg** | **TOTAL** | **4,276** | **5,106** | **7%** | **8%** | **64,500** |
| ***OVERALL TOTAL*** | | ***9,700*** | ***11,920*** | **6%** | ***8%*** | ***156,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A19 I-215 NB Ramps_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **I-215 NB Ramps (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **99** ^ | | | | ^ | **354** |
| | **587** > | | | | < | **838** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **115** | **1** | **286** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **0** | **484** | |
| | | | v | | ^ | |
| | **578** | < | IN | = | 1685 < | **849** |
| | **410** | > | OUT | = | 1685 > | **623** |
| | | | v | | ^ | |
| | | | | **0** | **426** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **0** | **134** | |
| | | | v | | ^ | |
| | **1636** | < | IN | = | 2981 < | **1267** |
| | **821** | > | OUT | = | 2980 > | **1210** |
| | | | v | | ^ | |
| | | | | **0** | **893** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **6,300** | | |
| | | | N | | |
| | **28,000** | W | **LEG** | E | **35,700** |
| | | | S | | |
| | | | **10,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **6,300** | | |
| | | | N | | |
| | **47,000** | W | **LEG** | E | **48,700** |
| | | | S | | |
| | | | **15,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **0** | **0** | **0** | |
| | | < | v | > | | |
| | **109** ^ | | | | ^ | **356** |
| | **899** > | | | | < | **788** |
| | **0** v | | | | v | **0** |
| | | < | ^ | > | | |
| | | | **274** | **0** | **516** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **0** | **365** | |
| | | | v | | ^ | |
| | **513** | < | IN | = | 1893 < | **621** |
| | **847** | > | OUT | = | 1893 > | **1015** |
| | | | v | | ^ | |
| | | | | **0** | **425** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **0** | **392** | |
| | | | v | | ^ | |
| | **1805** | < | IN | = | 3810 < | **1274** |
| | **1755** | > | OUT | = | 3810 > | **1613** |
| | | | v | | ^ | |
| | | | | **0** | **781** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 6,300 | | |
| | | | N | | |
| | 28,000 | W | + | E | 35,700 |
| | | | S | | |
| | | | 10,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 6,300 | | |
| | | | N | | |
| | 47,000 | W | + | E | 48,700 |
| | | | S | | |
| | | | 15,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A20 I-215 NB Ramps_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 454 | | |
| | | v | ^ | | |
| 953 | < IN | = | 2280 | < | 1192 |
| 686 | > OUT | = | 2280 | > | 873 |
| | | v | ^ | | |
| | | 0 | 402 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1060 | < | | | < | 420 |
| 410 | > | | | > | 590 |
| | | v | ^ | | |
| | | 0 | 438 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1060 | < | | | < | 420 |
| 410 | > | | | > | 590 |
| | | v | ^ | | |
| | | 0 | 440 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 450 | | |
| | | v | ^ | | |
| 2010 | < IN | = | 3550 | < | 1610 |
| 1100 | > OUT | = | 3920 | > | 1460 |
| | | v | ^ | * | |
| | | 0 | 840 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 465 | | |
| | | v | ^ | | |
| 1062 | < IN | = | 2942 | < | 1144 |
| 1008 | > OUT | = | 2942 | > | 1415 |
| | | v | ^ | | |
| | | 0 | 790 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 30 | | |
| | | v | ^ | | |
| 1290 | < | | | < | 650 |
| 910 | > | | | > | 600 |
| | | v | ^ | | |
| | | 0 | 360 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 30 | | |
| | | v | ^ | | |
| 1290 | < | | | < | 650 |
| 910 | > | | | > | 600 |
| | | v | ^ | | |
| | | 0 | 360 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 500 | | |
| | | v | ^ | | |
| 2350 | < IN | = | 4860 | < | 1790 |
| 1920 | > OUT | = | 4870 | > | 2020 |
| | | v | ^ | * | |
| | | 0 | 1150 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A20 I-215 NB Ramps_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: I-215 NB Ramps (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 115 | 480 | 365 | 317% | 274 | 774 | 500 | 182% |
| | Through | 1 | 2 | 1 | 100% | 0 | 0 | 0 | #DIV/0! |
| | Right | 286 | 444 | 158 | 55% | 516 | 384 | -132 | -26% |
| | NB Total | 402 | 926 | 524 | 130% | 790 | 1,158 | 368 | 47% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 99 | 187 | 88 | 89% | 109 | 257 | 148 | 136% |
| | Through | 587 | 1,016 | 429 | 73% | 899 | 1,636 | 737 | 82% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 686 | 1,203 | 517 | 75% | 1,008 | 1,893 | 885 | 88% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 838 | 1,530 | 692 | 83% | 788 | 1,576 | 788 | 100% |
| | Right | 354 | 262 | -92 | -26% | 356 | 243 | -113 | -32% |
| | WB Total | 1,192 | 1,792 | 600 | 50% | 1,144 | 1,819 | 675 | 59% |
| TOTAL ENTERING VOLUME | | 2,280 | 3,921 | 1641 | 72% | 2,942 | 4,870 | 1928 | 66% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 451 | 500 | | | |
| **North Leg** | **TOTAL** | **451** | **500** | **7%** | **8%** | **6,300** |
| | | | | | | |
| South Leg | Inbound | 926 | 1,158 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **926** | **1,158** | **6%** | **7%** | **15,700** |
| | | | | | | |
| East Leg | Inbound | 1,792 | 1,819 | | | |
| East Leg | Outbound | 1,460 | 2,020 | | | |
| **East Leg** | **TOTAL** | **3,252** | **3,839** | **7%** | **8%** | **48,700** |
| | | | | | | |
| West Leg | Inbound | 1,203 | 1,893 | | | |
| West Leg | Outbound | 2,010 | 2,350 | | | |
| **West Leg** | **TOTAL** | **3,213** | **4,243** | **7%** | **9%** | **47,000** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***7,842*** | ***9,740*** | ***7%*** | ***8%*** | ***117,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A20 I-215 NB Ramps_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Encanto Dr (NS) / Ethanac Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**0 0 0**
< v >
**0** ^ ^ **0**
**425** > < **285**
**33** v v **28**
< ^ >
**48 0 53**

EXISTING MODEL YEAR:

**2012**

**0 0**
v ^
**426** < IN = 764 < **251**
**246** > OUT = 764 > **317**
v ^
**21 267**

FUTURE MODEL YEAR:

**2035**

**0 0**
v ^
**1974** < IN = 4376 < **1826**
**2291** > OUT = 4376 > **2192**
v ^
**210 259**

EXISTING (COUNTED) ADTs BY LEG:

2012

**0**
N
**11,300** W **LEG** E **10,200**
S
**3,200**

REFINED FUTURE ADT'S BY LEG:

2035

**0**
N
**67,300** W **LEG** E **62,200**
S
**8,200**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**0 0 0**
< v >
**0** ^ ^ **0**
**395** > < **280**
**92** v v **33**
< ^ >
**69 0 44**

EXISTING MODEL YEAR:

2012

**0 0**
v ^
**235** < IN = 941 < **343**
**563** > OUT = 942 > **371**
v ^
**336 35**

FUTURE MODEL YEAR:

2035

**0 0**
v ^
**2770** < IN = 5360 < **2526**
**2449** > OUT = 5360 > **2198**
v ^
**392 385**

EXISTING (COUNTED) ADTs BY LEG:

2012

0
N
11,300 W + E 10,200
S
3,200

REFINED FUTURE ADT'S BY LEG:

2035

0
N
67,300 W + E 62,200
S
8,200

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A21 Encanto_Ethanac.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 333 < | IN = | 872 | < | 313 |
| 458 > | OUT = | 872 | > | 478 |
| | | v | ^ | |
| | | 61 | 101 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| MUL | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1207 | < | | < | 1580 |
| 2050 | > | | > | 1880 |
| | | v | ^ | |
| | | 190 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1210 | < | | < | 1580 |
| 2050 | > | | > | 1880 |
| | | v | ^ | |
| | | 190 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 1670 < | IN = | 4500 | < | 1890 |
| 2510 > | OUT = | 4500 | > | 2559 |
| | | v | ^ | * |
| | | 271 | 100 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 349 < | IN = | 913 | < | 313 |
| 487 > | OUT = | 913 | > | 439 |
| | | v | ^ | |
| | | 125 | 113 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | MUL | |
| | | v | ^ | |
| ADD | < | | < | MUL |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2540 | < | | < | 1997 |
| 1633 | > | | > | 1830 |
| | | v | ^ | |
| | | 25 | 350 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2540 | < | | < | 2000 |
| 1630 | > | | > | 1830 |
| | | v | ^ | |
| | | 30 | 350 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 2890 < | IN = | 4890 | < | 2310 |
| 2120 > | OUT = | 5320 | > | 2270 |
| | | v | ^ | * |
| | | 160 | 460 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A21 Encanto_Ethanac.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Encanto Dr (NS) / Ethanac Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 48 | 31 | -17 | -35% | 69 | 361 | 292 | 423% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 53 | 70 | 17 | 32% | 44 | 144 | 100 | 227% |
| | NB Total | 101 | 101 | 0 | 0% | 113 | 505 | 392 | 347% |
| SOUTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | SB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| EAST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 425 | 2,489 | 2,064 | 486% | 395 | 2,126 | 1,731 | 438% |
| | Right | 33 | 100 | 67 | 203% | 92 | 116 | 24 | 26% |
| | EB Total | 458 | 2,589 | 2,131 | 465% | 487 | 2,242 | 1,755 | 360% |
| WEST BOUND | Left | 28 | 171 | 143 | 511% | 33 | 44 | 11 | 33% |
| | Through | 285 | 1,639 | 1,354 | 475% | 280 | 2,529 | 2,249 | 803% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | WB Total | 313 | 1,810 | 1,497 | 478% | 313 | 2,573 | 2,260 | 722% |
| TOTAL ENTERING VOLUME | | 872 | 4,500 | 3628 | 416% | 913 | 5,320 | 4407 | 483% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 0 | 0 | | | |
| North Leg | Outbound | 0 | 0 | | | |
| **North Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| South Leg | Inbound | 101 | 505 | | | |
| South Leg | Outbound | 271 | 160 | | | |
| **South Leg** | **TOTAL** | **372** | **665** | **5%** | **8%** | **8,200** |
| | | | | | | |
| East Leg | Inbound | 1,810 | 2,573 | | | |
| East Leg | Outbound | 2,559 | 2,270 | | | |
| **East Leg** | **TOTAL** | **4,369** | **4,843** | **7%** | **8%** | **62,200** |
| | | | | | | |
| West Leg | Inbound | 2,589 | 2,242 | | | |
| West Leg | Outbound | 1,670 | 2,890 | | | |
| **West Leg** | **TOTAL** | **4,259** | **5,132** | **6%** | **8%** | **67,300** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***9,000*** | ***10,640*** | ***7%*** | ***8%*** | ***137,700*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A21 Encanto_Ethanac.xls]Output (3*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Encanto Dr (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **98 9 46** | 2012 **88 16 26** |
| < v > | < v > |
| **83** ^ ^ **44** | **174** ^ ^ **34** |
| **561** > < **814** | **887** > < **584** |
| **97** v v **15** | **302** v v **34** |
| < ^ > | < ^ > |
| **197 12 20** | **171 20 37** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **27 235** | 2012 **311 51** |
| v ^ | v ^ |
| **398** < IN = 1002 < **475** | **603** < IN = 1261 < **435** |
| **500** > OUT = 1001 > **368** | **515** > OUT = 1261 > **607** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **248 410** | 2035 **555 402** |
| v ^ | v ^ |
| **1271** < IN = 3041 < **1081** | **2094** < IN = 3924 < **1639** |
| **1712** > OUT = 3041 > **1360** | **1730** > OUT = 3925 > **1429** |
| v ^ | v ^ |
| **0 0** | **0 0** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **4,800** | 2012 4,800 |
| N | N |
| **29,800** W **LEG** E **21,600** | 29,800 W + E 21,600 |
| S | S |
| **7,800** | 7,800 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **13,800** | 2035 13,800 |
| N | N |
| **58,800** W **LEG** E **42,600** | 58,800 W + E 42,600 |
| S | S |
| **7,800** | 7,800 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A22 Encanto_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Encanto Dr (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 153 | 139 | | |
| | | v | ^ | | |
| 1109 | < IN | = | 1996 | < | 873 |
| 741 | > OUT | = | 1996 | > | 627 |
| | | v | ^ | | |
| | | 121 | 229 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 101 | | |
| | | v | ^ | | |
| 870 | < | | | < | 610 |
| 1210 | > | | | > | 990 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 100 | | |
| | | v | ^ | | |
| 870 | < | | | < | 610 |
| 1210 | > | | | > | 990 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 370 | 244 | | |
| | | v | ^ | | |
| 2015 | < IN | = | 4030 | < | 1480 |
| 1950 | > OUT | = | 4030 | > | 1649 |
| | | v | ^ | * | |
| | | 122 | 230 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 130 | 228 | | |
| | | v | ^ | | |
| 843 | < IN | = | 2373 | < | 652 |
| 1363 | > OUT | = | 2373 | > | 950 |
| | | v | ^ | | |
| | | 352 | 228 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 350 | | |
| | | v | ^ | | |
| 1490 | < | | | < | 1200 |
| 1220 | > | | | > | 820 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 100 | 350 | | |
| | | v | ^ | | |
| 1490 | < | | | < | 1200 |
| 1220 | > | | | > | 820 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 230 | 580 | | |
| | | v | ^ | | |
| 2330 | < IN | = | 4890 | < | 1850 |
| 2580 | > OUT | = | 5030 | > | 1770 |
| | | v | ^ | * | |
| | | 350 | 230 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A22 Encanto_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Encanto Dr (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 197 | 221 | 24 | 12% | 171 | 213 | 42 | 25% |
| | Through | 12 | 6 | -6 | -50% | 20 | 14 | -6 | -30% |
| | Right | 20 | 11 | -9 | -45% | 37 | 18 | -19 | -51% |
| | NB Total | 229 | 238 | 9 | 4% | 228 | 245 | 17 | 7% |
| SOUTH BOUND | Left | 46 | 70 | 24 | 52% | 26 | 24 | -2 | -8% |
| | Through | 9 | 6 | -3 | -33% | 16 | 8 | -8 | -50% |
| | Right | 98 | 303 | 205 | 209% | 88 | 213 | 125 | 142% |
| | SB Total | 153 | 379 | 226 | 148% | 130 | 245 | 115 | 88% |
| EAST BOUND | Left | 83 | 204 | 121 | 146% | 174 | 503 | 329 | 189% |
| | Through | 561 | 1,568 | 1,007 | 180% | 887 | 1,728 | 841 | 95% |
| | Right | 97 | 111 | 14 | 14% | 302 | 319 | 17 | 6% |
| | EB Total | 741 | 1,883 | 1,142 | 154% | 1,363 | 2,550 | 1,187 | 87% |
| WEST BOUND | Left | 15 | 6 | -9 | -60% | 34 | 23 | -11 | -32% |
| | Through | 814 | 1,492 | 678 | 83% | 584 | 1,903 | 1,319 | 226% |
| | Right | 44 | 35 | -9 | -20% | 34 | 63 | 29 | 85% |
| | WB Total | 873 | 1,533 | 660 | 76% | 652 | 1,989 | 1,337 | 205% |
| TOTAL ENTERING VOLUME | | 1,996 | 4,033 | 2037 | 102% | 2,373 | 5,029 | 2656 | 112% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 379 | 245 | | | |
| North Leg | Outbound | 245 | 580 | | | |
| **North Leg** | **TOTAL** | **624** | **825** | **5%** | **6%** | **13,800** |
| South Leg | Inbound | 238 | 245 | | | |
| South Leg | Outbound | 123 | 350 | | | |
| **South Leg** | **TOTAL** | **361** | **595** | **5%** | **8%** | **7,800** |
| East Leg | Inbound | 1,533 | 1,989 | | | |
| East Leg | Outbound | 1,649 | 1,770 | | | |
| **East Leg** | **TOTAL** | **3,182** | **3,759** | **7%** | **9%** | **42,600** |
| West Leg | Inbound | 1,883 | 2,550 | | | |
| West Leg | Outbound | 2,016 | 2,329 | | | |
| **West Leg** | **TOTAL** | **3,899** | **4,879** | **7%** | **8%** | **58,800** |
| ***OVERALL TOTAL*** | | ***8,066*** | ***10,058*** | ***7%*** | ***8%*** | ***123,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A22 Encanto_McCall.xls]Output (3,*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Antelope Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **160 70 110** | 2012 **108 61 18** |
| < v > | < v > |
| **70** ^ ^ **78** | **238** ^ ^ **31** |
| **719** > < **1340** | **1172** > < **836** |
| **665** v v **128** | **713** v v **129** |
| < ^ > | < ^ > |
| **404 40 118** | **563 101 207** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **374 194** | 2012 **276 419** |
| v ^ | v ^ |
| **1609** < IN = 3005 < **749** | **1469** < IN = 3616 < **883** |
| **1297** > OUT = 3005 > **856** | **1999** > OUT = 3616 > **985** |
| v ^ | v ^ |
| **346 585** | **743 458** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **253 164** | 2035 **227 322** |
| v ^ | v ^ |
| **1676** < IN = 3647 < **1210** | **2075** < IN = 4547 < **1594** |
| **1810** > OUT = 3646 > **1385** | **2165** > OUT = 4547 > **1623** |
| v ^ | v ^ |
| **421 374** | **527 561** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **7,500** | 2012 7,500 |
| N | N |
| **52,700** W **LEG** E **34,200** | 52,700 W + E 34,200 |
| S | S |
| **18,700** | 18,700 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **7,500** | 2035 7,500 |
| N | N |
| **60,700** W **LEG** E **46,200** | 60,700 W + E 46,200 |
| S | S |
| **18,700** | 18,700 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A23 Antelope_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Antelope Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 340 | 188 | |
| | | v | ^ | |
| 1904 < | IN = | 3902 | < | 1546 |
| 1454 > | OUT = | 3902 | > | 947 |
| | | v | ^ | |
| | | 863 | 562 | |

GROUTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 70 < | | | < | 460 |
| 510 > | | | > | 530 |
| | | v | ^ | |
| | | 80 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 70 < | | | < | 460 |
| 510 > | | | > | 530 |
| | | v | ^ | |
| | | 80 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 340 | 202 | |
| | | v | ^ | |
| 2095 < | IN = | 4870 | < | 2010 |
| 1960 > | OUT = | 4870 | > | 1574 |
| | | v | ^ | * |
| | | 1000 | 560 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 187 | 370 | |
| | | v | ^ | |
| 1507 < | IN = | 4177 | < | 996 |
| 2123 > | OUT = | 4177 | > | 1397 |
| | | v | ^ | |
| | | 903 | 871 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MIN | MIN | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 610 < | | | < | 710 |
| 170 > | | | > | 640 |
| | | v | ^ | |
| | | 0 | 100 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 0 | 0 | |
| | | v | ^ | |
| 610 < | | | < | 710 |
| 170 > | | | > | 640 |
| | | v | ^ | |
| | | 0 | 100 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 190 | 370 | |
| | | v | ^ | |
| 2120 < | IN = | 5160 | < | 1710 |
| 2290 > | OUT = | 5430 | > | 2040 |
| | | v | ^ | * |
| | | 900 | 970 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A23 Antelope_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Antelope Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 404 | 320 | -84 | -21% | 563 | 539 | -24 | -4% |
| | Through | 40 | 35 | -5 | -13% | 101 | 109 | 8 | 8% |
| | Right | 118 | 204 | 86 | 73% | 207 | 372 | 165 | 80% |
| | NB Total | 562 | 559 | -3 | -1% | 871 | 1,020 | 149 | 17% |
| SOUTH BOUND | Left | 110 | 165 | 55 | 50% | 18 | 32 | 14 | 78% |
| | Through | 70 | 67 | -3 | -4% | 61 | 64 | 3 | 5% |
| | Right | 160 | 109 | -51 | -32% | 108 | 103 | -5 | -5% |
| | SB Total | 340 | 341 | 1 | 0% | 187 | 199 | 12 | 6% |
| EAST BOUND | Left | 70 | 59 | -11 | -16% | 238 | 199 | -39 | -16% |
| | Through | 719 | 1,205 | 486 | 68% | 1,172 | 1,636 | 464 | 40% |
| | Right | 665 | 711 | 46 | 7% | 713 | 584 | -129 | -18% |
| | EB Total | 1,454 | 1,975 | 521 | 36% | 2,123 | 2,419 | 296 | 14% |
| WEST BOUND | Left | 128 | 222 | 94 | 73% | 129 | 252 | 123 | 95% |
| | Through | 1,340 | 1,666 | 326 | 24% | 836 | 1,478 | 642 | 77% |
| | Right | 78 | 107 | 29 | 37% | 31 | 62 | 31 | 100% |
| | WB Total | 1,546 | 1,995 | 449 | 29% | 996 | 1,792 | 796 | 80% |
| TOTAL ENTERING VOLUME | | 3,902 | 4,870 | 968 | 25% | 4,177 | 5,430 | 1253 | 30% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 341 | 199 | | | |
| North Leg | Outbound | 201 | 370 | | | |
| **North Leg** | **TOTAL** | **542** | **569** | **7%** | **8%** | **7,500** |
| South Leg | Inbound | 559 | 1,020 | | | |
| South Leg | Outbound | 1,000 | 900 | | | |
| **South Leg** | **TOTAL** | **1,559** | **1,920** | **8%** | **10%** | **18,700** |
| East Leg | Inbound | 1,995 | 1,792 | | | |
| East Leg | Outbound | 1,574 | 2,040 | | | |
| **East Leg** | **TOTAL** | **3,569** | **3,832** | **8%** | **8%** | **46,200** |
| West Leg | Inbound | 1,975 | 2,419 | | | |
| West Leg | Outbound | 2,095 | 2,120 | | | |
| **West Leg** | **TOTAL** | **4,070** | **4,539** | **7%** | **7%** | **60,700** |
| ***OVERALL TOTAL*** | | ***9,740*** | ***10,860*** | ***7%*** | ***8%*** | ***133,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A23 Antelope_Newport.xls]Output*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Antelope Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

**284 283 69**
< v >
**132** ^ ^ **33**
**437** > < **552**
**304** v v **83**
< ^ >
**356 111 41**

EXISTING MODEL YEAR:

**2012**

**84 364**
v ^
**849** < IN = 1614 < **542**
**623** > OUT = 1613 > **314**
v ^
**86 365**

FUTURE MODEL YEAR:

**2035**

**302 405**
v ^
**1267** < IN = 2811 < **1093**
**1210** > OUT = 2811 > **1014**
v ^
**125 206**

EXISTING (COUNTED) ADTs BY LEG:

2012

**13,500**
N
**35,700** W **LEG** E **21,300**
S
**17,100**

REFINED FUTURE ADT'S BY LEG:

2035

**18,500**
N
**48,700** W **LEG** E **36,300**
S
**17,100**

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

**253 107 57**
< v >
**291** ^ ^ **37**
**804** > < **521**
**320** v v **75**
< ^ >
**370 270 123**

EXISTING MODEL YEAR:

2012

**332 238**
v ^
**621** < IN = 1890 < **377**
**1015** > OUT = 1891 > **573**
v ^
**459 166**

FUTURE MODEL YEAR:

2035

**508 541**
v ^
**1274** < IN = 3555 < **1251**
**1613** > OUT = 3555 > **1347**
v ^
**393 183**

EXISTING (COUNTED) ADTs BY LEG:

2012

13,500
N
35,700 W + E 21,300
S
17,100

REFINED FUTURE ADT'S BY LEG:

2035

18,500
N
48,700 W + E 36,300
S
17,100

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A24 Antelope_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Antelope Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 636 | 276 | | |
| | | v | ^ | | |
| 1192 | < IN | = | 2685 | < | 668 |
| 873 | > OUT | = | 2685 | > | 547 |
| | | v | ^ | | |
| | | 670 | 508 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | MUL | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MIN | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 34 | | |
| | | v | ^ | | |
| 420 | < | | | < | 550 |
| 590 | > | | | > | 700 |
| | | v | ^ | | |
| | | 40 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 220 | 30 | | |
| | | v | ^ | | |
| 420 | < | | | < | 550 |
| 590 | > | | | > | 700 |
| | | v | ^ | | |
| | | 40 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 860 | 324 | | |
| | | v | ^ | | |
| 1681 | < IN | = | 4050 | < | 1220 |
| 1460 | > OUT | = | 4050 | > | 1305 |
| | | v | ^ | * | |
| | | 741 | 510 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 417 | 598 | | |
| | | v | ^ | | |
| 1144 | < IN | = | 3228 | < | 633 |
| 1415 | > OUT | = | 3228 | > | 984 |
| | | v | ^ | | |
| | | 502 | 763 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MIN | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 180 | 300 | | |
| | | v | ^ | | |
| 650 | < | | | < | 870 |
| 600 | > | | | > | 770 |
| | | v | ^ | | |
| | | 0 | 20 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 180 | 300 | | |
| | | v | ^ | | |
| 650 | < | | | < | 870 |
| 600 | > | | | > | 770 |
| | | v | ^ | | |
| | | 0 | 20 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 600 | 900 | | |
| | | v | ^ | | |
| 1790 | < IN | = | 4900 | < | 1500 |
| 2020 | > OUT | = | 4940 | > | 1750 |
| | | v | ^ | * | |
| | | 500 | 780 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A24 Antelope_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Antelope Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 356 | 318 | -38 | -11% | 370 | 262 | -108 | -29% |
| | Through | 111 | 108 | -3 | -3% | 270 | 336 | 66 | 24% |
| | Right | 41 | 83 | 42 | 102% | 123 | 188 | 65 | 53% |
| | NB Total | 508 | 509 | 1 | 0% | 763 | 786 | 23 | 3% |
| SOUTH BOUND | Left | 69 | 193 | 124 | 180% | 57 | 158 | 101 | 177% |
| | Through | 283 | 316 | 33 | 12% | 107 | 121 | 14 | 13% |
| | Right | 284 | 351 | 67 | 24% | 253 | 325 | 72 | 28% |
| | SB Total | 636 | 860 | 224 | 35% | 417 | 604 | 187 | 45% |
| EAST BOUND | Left | 132 | 150 | 18 | 14% | 291 | 414 | 123 | 42% |
| | Through | 437 | 1,029 | 592 | 135% | 804 | 1,404 | 600 | 75% |
| | Right | 304 | 287 | -17 | -6% | 320 | 227 | -93 | -29% |
| | EB Total | 873 | 1,466 | 593 | 68% | 1,415 | 2,045 | 630 | 45% |
| WEST BOUND | Left | 83 | 138 | 55 | 66% | 75 | 152 | 77 | 103% |
| | Through | 552 | 1,012 | 460 | 83% | 521 | 1,203 | 682 | 131% |
| | Right | 33 | 66 | 33 | 100% | 37 | 150 | 113 | 305% |
| | WB Total | 668 | 1,216 | 548 | 82% | 633 | 1,505 | 872 | 138% |
| TOTAL ENTERING VOLUME | | 2,685 | 4,051 | 1366 | 51% | 3,228 | 4,940 | 1712 | 53% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 860 | 604 | | | |
| North Leg | Outbound | 324 | 900 | | | |
| **North Leg** | **TOTAL** | **1,184** | **1,504** | **6%** | **8%** | **18,500** |
| South Leg | Inbound | 509 | 786 | | | |
| South Leg | Outbound | 741 | 500 | | | |
| **South Leg** | **TOTAL** | **1,250** | **1,286** | **7%** | **8%** | **17,100** |
| East Leg | Inbound | 1,216 | 1,505 | | | |
| East Leg | Outbound | 1,305 | 1,750 | | | |
| **East Leg** | **TOTAL** | **2,521** | **3,255** | **7%** | **9%** | **36,300** |
| West Leg | Inbound | 1,466 | 2,045 | | | |
| West Leg | Outbound | 1,681 | 1,790 | | | |
| **West Leg** | **TOTAL** | **3,147** | **3,835** | **6%** | **8%** | **48,700** |
| ***OVERALL TOTAL*** | | ***8,102*** | ***9,880*** | ***7%*** | ***8%*** | ***120,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A24 Antelope_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Menifee Rd (NS) / Pinacate Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **31 172 121** | 2012 **31 134 52** |
| < v > | < v > |
| **45** ^ ^ **82** | **52** ^ ^ **75** |
| **701** > < **881** | **846** > < **584** |
| **138** v v **359** | **122** v v **198** |
| < ^ > | < ^ > |
| **166 144 459** | **92 152 191** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **112 268** | 2012 **324 171** |
| v ^ | v ^ |
| **898** < IN = 2185 < **1052** | **875** < IN = 2570 < **1016** |
| **652** > OUT = 2185 > **847** | **1023** > OUT = 2570 > **1129** |
| v ^ | v ^ |
| **172 369** | **395 207** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1023 893** | 2035 **1352 1157** |
| v ^ | v ^ |
| **2263** < IN = 6577 < **2101** | **2133** < IN = 7606 < **2422** |
| **1889** > OUT = 6578 > **2333** | **2293** > OUT = 7606 > **2482** |
| v ^ | v ^ |
| **1089 1564** | **1834 1539** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **6,700** | 2012 6,700 |
| N | N |
| **23,300** W **LEG** E **26,300** | 23,300 W + E 26,300 |
| S | S |
| **12,000** | 12,000 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **24,700** | 2035 24,700 |
| N | N |
| **62,300** W **LEG** E **64,300** | 62,300 W + E 64,300 |
| S | S |
| **39,000** | 39,000 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A25 Menifee_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 324 | 271 | |
| | | v | ^ | |
| 1078 < | IN = | 3299 | < | 1322 |
| 884 > | OUT = | 3299 | > | 1281 |
| | | v | ^ | |
| | | 669 | 769 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 910 | 630 | |
| | | v | ^ | |
| 1370 < | | | < | 1050 |
| 1240 > | | | > | 1490 |
| | | v | ^ | |
| | | 920 | 1200 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 910 | 630 | |
| | | v | ^ | |
| 1370 < | | | < | 1050 |
| 1240 > | | | > | 1490 |
| | | v | ^ | |
| | | 920 | 1200 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 1230 | 900 | |
| | | v | ^ | |
| 2450 < | IN = | 7690 | < | 2370 |
| 2120 > | OUT = | 7710 | > | 2770 |
| | | v | ^ | * |
| | | 1590 | 1970 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 217 | 279 | |
| | | v | ^ | |
| 707 < | IN = | 2529 | < | 857 |
| 1020 > | OUT = | 2529 | > | 1089 |
| | | v | ^ | |
| | | 454 | 435 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| MUL < | | | < | MUL |
| MUL > | | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 693 | 990 | |
| | | v | ^ | |
| 1013 < | | | < | 1183 |
| 1270 > | | | > | 1311 |
| | | v | ^ | |
| | | 1440 | 1330 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 690 | 990 | |
| | | v | ^ | |
| 1010 < | | | < | 1180 |
| 1270 > | | | > | 1310 |
| | | v | ^ | |
| | | 1440 | 1330 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 910 | 1270 | |
| | | v | ^ | |
| 1720 < | IN = | 7010 | < | 2040 |
| 2290 > | OUT = | 7280 | > | 2400 |
| | | v | ^ | * |
| | | 1890 | 1770 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A25 Menifee_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 166 | 572 | 406 | 245% | 92 | 381 | 289 | 314% |
| | Through | 144 | 535 | 391 | 272% | 152 | 864 | 712 | 468% |
| | Right | 459 | 868 | 409 | 89% | 191 | 594 | 403 | 211% |
| | NB Total | 769 | 1,975 | 1,206 | 157% | 435 | 1,839 | 1,404 | 323% |
| SOUTH BOUND | Left | 121 | 370 | 249 | 206% | 52 | 130 | 78 | 150% |
| | Through | 172 | 691 | 519 | 302% | 134 | 712 | 578 | 431% |
| | Right | 31 | 172 | 141 | 455% | 31 | 103 | 72 | 232% |
| | SB Total | 324 | 1,233 | 909 | 281% | 217 | 945 | 728 | 335% |
| EAST BOUND | Left | 45 | 193 | 148 | 329% | 52 | 188 | 136 | 262% |
| | Through | 701 | 1,533 | 832 | 119% | 846 | 1,676 | 830 | 98% |
| | Right | 138 | 397 | 259 | 188% | 122 | 512 | 390 | 320% |
| | EB Total | 884 | 2,123 | 1,239 | 140% | 1,020 | 2,376 | 1,356 | 133% |
| WEST BOUND | Left | 359 | 502 | 143 | 40% | 198 | 667 | 469 | 237% |
| | Through | 881 | 1,706 | 825 | 94% | 584 | 1,236 | 652 | 112% |
| | Right | 82 | 171 | 89 | 109% | 75 | 218 | 143 | 191% |
| | WB Total | 1,322 | 2,379 | 1,057 | 80% | 857 | 2,121 | 1,264 | 147% |
| TOTAL ENTERING VOLUME | | 3,299 | 7,710 | 4411 | 134% | 2,529 | 7,281 | 4752 | 188% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,233 | 945 | | | |
| North Leg | Outbound | 899 | 1,270 | | | |
| **North Leg** | **TOTAL** | **2,132** | **2,215** | **9%** | **9%** | **24,700** |
| | | | | | | |
| South Leg | Inbound | 1,975 | 1,839 | | | |
| South Leg | Outbound | 1,590 | 1,891 | | | |
| **South Leg** | **TOTAL** | **3,565** | **3,730** | **9%** | **10%** | **39,000** |
| | | | | | | |
| East Leg | Inbound | 2,379 | 2,121 | | | |
| East Leg | Outbound | 2,771 | 2,400 | | | |
| **East Leg** | **TOTAL** | **5,150** | **4,521** | **8%** | **7%** | **64,300** |
| | | | | | | |
| West Leg | Inbound | 2,123 | 2,376 | | | |
| West Leg | Outbound | 2,450 | 1,720 | | | |
| **West Leg** | **TOTAL** | **4,573** | **4,096** | **7%** | **7%** | **62,300** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***15,420*** | ***14,562*** | **8%** | ***8%*** | ***190,300*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A25 Menifee_Pinacate.xls]Output (3*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Menifee Rd (NS) / McCall Bl (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **397** **120** **52** | 2012 **238** **122** **35** |
| < v > | < v > |
| **451** ^ ^ **64** | **294** ^ ^ **25** |
| **257** > < **242** | **147** > < **89** |
| **120** v v **1** | **155** v v **1** |
| < ^ > | < ^ > |
| **142** **96** **3** | **94** **97** **1** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **189** **533** | 2012 **542** **316** |
| v ^ | v ^ |
| **178** < IN = 817 < **86** | **221** < IN = 1015 < **33** |
| **235** > OUT = 817 > **20** | **292** > OUT = 1015 > **95** |
| v ^ | v ^ |
| **86** **307** | **383** **148** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **1271** **2355** | 2035 **2675** **1919** |
| v ^ | v ^ |
| **786** < IN = 4847 < **1675** | **1025** < IN = 6310 < **1418** |
| **815** > OUT = 4846 > **1019** | **1169** > OUT = 6310 > **1885** |
| v ^ | v ^ |
| **686** **1086** | **1481** **1048** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **11,000** | 2012 11,000 |
| N | N |
| **13,700** W **LEG** E **4,000** | 13,700 W + E 4,000 |
| S | S |
| **6,400** | 6,400 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **47,000** | 2035 47,000 |
| N | N |
| **29,700** W **LEG** E **36,000** | 29,700 W + E 36,000 |
| S | S |
| **24,400** | 24,400 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A26 Menifree_McCall.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / McCall Bl (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 569 | 611 | | |
| | | v | ^ | | |
| 781 | < | IN = | 1945 | < | 307 |
| 828 | > | OUT = | 1945 | > | 312 |
| | | v | ^ | | |
| | | 241 | 241 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1080 | 1820 | | |
| | | v | ^ | | |
| 610 | < | | | < | 1590 |
| 580 | > | | | > | 1000 |
| | | v | ^ | | |
| | | 600 | 609 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1080 | 1820 | | |
| | | v | ^ | | |
| 610 | < | | | < | 1590 |
| 580 | > | | | > | 1000 |
| | | v | ^ | | |
| | | 600 | 610 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1650 | 2430 | | |
| | | v | ^ | | |
| 1390 | < | IN = | 5810 | < | 1900 |
| 1410 | > | OUT = | 5970 | > | 1310 |
| | | v | ^ | * | |
| | | 840 | 850 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 395 | 416 | | |
| | | v | ^ | | |
| 421 | < | IN = | 1298 | < | 115 |
| 596 | > | OUT = | 1298 | > | 183 |
| | | v | ^ | | |
| | | 278 | 192 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1555 | 1600 | | |
| | | v | ^ | | |
| 800 | < | | | < | 1390 |
| 880 | > | | | > | 1790 |
| | | v | ^ | | |
| | | 802 | 900 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1560 | 1600 | | |
| | | v | ^ | | |
| 800 | < | | | < | 1390 |
| 880 | > | | | > | 1790 |
| | | v | ^ | | |
| | | 800 | 900 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1960 | 2020 | | |
| | | v | ^ | | |
| 1220 | < | IN = | 6040 | < | 1510 |
| 1480 | > | OUT = | 6290 | > | 1970 |
| | | v | ^ | * | |
| | | 1080 | 1090 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A26 Menifree_McCall.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / McCall Bl (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 142 | 175 | 33 | 23% | 94 | 209 | 115 | 122% |
| | Through | 96 | 658 | 562 | 585% | 97 | 867 | 770 | 794% |
| | Right | 3 | 39 | 36 | 1200% | 1 | 49 | 48 | 4800% |
| | NB Total | 241 | 872 | 631 | 262% | 192 | 1,125 | 933 | 486% |
| SOUTH BOUND | Left | 52 | 596 | 544 | 1046% | 35 | 962 | 927 | 2649% |
| | Through | 120 | 670 | 550 | 458% | 122 | 797 | 675 | 553% |
| | Right | 397 | 431 | 34 | 9% | 238 | 297 | 59 | 25% |
| | SB Total | 569 | 1,697 | 1,128 | 198% | 395 | 2,056 | 1,661 | 421% |
| EAST BOUND | Left | 451 | 622 | 171 | 38% | 294 | 350 | 56 | 19% |
| | Through | 257 | 674 | 417 | 162% | 147 | 959 | 812 | 552% |
| | Right | 120 | 153 | 33 | 28% | 155 | 241 | 86 | 55% |
| | EB Total | 828 | 1,449 | 621 | 75% | 596 | 1,550 | 954 | 160% |
| WEST BOUND | Left | 1 | 17 | 16 | 1600% | 1 | 42 | 41 | 4100% |
| | Through | 242 | 784 | 542 | 224% | 89 | 713 | 624 | 701% |
| | Right | 64 | 1,150 | 1,086 | 1697% | 25 | 804 | 779 | 3116% |
| | WB Total | 307 | 1,951 | 1,644 | 536% | 115 | 1,559 | 1,444 | 1256% |
| TOTAL ENTERING VOLUME | | 1,945 | 5,969 | 4024 | 207% | 1,298 | 6,290 | 4992 | 385% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,697 | 2,056 | | | |
| North Leg | Outbound | 2,430 | 2,021 | | | |
| **North Leg** | **TOTAL** | **4,127** | **4,077** | **9%** | **9%** | **47,000** |
| South Leg | Inbound | 872 | 1,125 | | | |
| South Leg | Outbound | 840 | 1,080 | | | |
| **South Leg** | **TOTAL** | **1,712** | **2,205** | **7%** | **9%** | **24,400** |
| East Leg | Inbound | 1,951 | 1,559 | | | |
| East Leg | Outbound | 1,309 | 1,970 | | | |
| **East Leg** | **TOTAL** | **3,260** | **3,529** | **9%** | **10%** | **36,000** |
| West Leg | Inbound | 1,449 | 1,550 | | | |
| West Leg | Outbound | 1,390 | 1,219 | | | |
| **West Leg** | **TOTAL** | **2,839** | **2,769** | **10%** | **9%** | **29,700** |
| ***OVERALL TOTAL*** | | ***11,938*** | ***12,580*** | **9%** | ***9%*** | ***137,100*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A26 Menifree_McCall.xls]Output (3*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Menifee Rd (NS) / Newport Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **308 69 40** | 2012 **126 36 15** |
| < v > | < v > |
| **218** ^ ^ **40** | **196** ^ ^ **18** |
| **510** > < **816** | **885** > < **669** |
| **99** v v **117** | **100** v v **113** |
| < ^ > | < ^ > |
| **136 60 122** | **95 54 131** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **125 158** | 2012 **221 146** |
| v ^ | v ^ |
| **789** < IN = 2292 < **784** | **939** < IN = 2695 < **1240** |
| **902** > OUT = 2292 > **1201** | **1044** > OUT = 2695 > **1051** |
| v ^ | v ^ |
| **144 481** | **559 190** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **958 1112** | 2035 **1526 1341** |
| v ^ | v ^ |
| **1147** < IN = 4182 < **926** | **1585** < IN = 5570 < **1274** |
| **1389** > OUT = 4183 > **1041** | **1572** > OUT = 5570 > **1251** |
| v ^ | v ^ |
| **883 909** | **1393 1198** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **6,000** | 2012 6,000 |
| N | N |
| **34,200** W **LEG** E **24,700** | 34,200 W + E 24,700 |
| S | S |
| **8,300** | 8,300 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **28,000** | 2035 28,000 |
| N | N |
| **44,200** W **LEG** E **24,700** | 44,200 W + E 24,700 |
| S | S |
| **24,300** | 24,300 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A27 Menifee_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 417 | 318 | | |
| | | v | ^ | | |
| 1260 | < | IN = | 2535 | < | 973 |
| 827 | > | OUT = | 2535 | > | 672 |
| | | v | ^ | | |
| | | 285 | 318 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MUL | > | | | > | MIN |
| | | v | ^ | | |
| | | ADD | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 830 | 950 | | |
| | | v | ^ | | |
| 360 | < | | | < | 140 |
| 443 | > | | | > | 0 |
| | | v | ^ | | |
| | | 740 | 282 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 830 | 950 | | |
| | | v | ^ | | |
| 360 | < | | | < | 140 |
| 440 | > | | | > | 0 |
| | | v | ^ | | |
| | | 740 | 280 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1250 | 1270 | | |
| | | v | ^ | | |
| 1620 | < | IN = | 4230 | < | 1110 |
| 1270 | > | OUT = | 4590 | > | 670 |
| | | v | ^ | * | |
| | | 1030 | 600 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 177 | 268 | | |
| | | v | ^ | | |
| 890 | < | IN = | 2438 | < | 800 |
| 1181 | > | OUT = | 2438 | > | 1031 |
| | | v | ^ | | |
| | | 249 | 280 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MUL | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | MUL |
| ADD | > | | | > | MUL |
| | | v | ^ | | |
| | | MUL | ADD | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1043 | 1200 | | |
| | | v | ^ | | |
| 610 | < | | | < | 20 |
| 530 | > | | | > | 199 |
| | | v | ^ | | |
| | | 371 | 1010 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 1040 | 1200 | | |
| | | v | ^ | | |
| 610 | < | | | < | 20 |
| 530 | > | | | > | 200 |
| | | v | ^ | | |
| | | 370 | 1010 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 1220 | 1537 | | |
| | | v | ^ | | |
| 1568 | < | IN = | 5040 | < | 820 |
| 1710 | > | OUT = | 5040 | > | 1286 |
| | | v | ^ | * | |
| | | 648 | 1290 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A27 Menifee_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 136 | 158 | 22 | 16% | 95 | 238 | 143 | 151% |
| | Through | 60 | 338 | 278 | 463% | 54 | 679 | 625 | 1157% |
| | Right | 122 | 157 | 35 | 29% | 131 | 377 | 246 | 188% |
| | NB Total | 318 | 653 | 335 | 105% | 280 | 1,294 | 1,014 | 362% |
| SOUTH BOUND | Left | 40 | 107 | 67 | 168% | 15 | 103 | 88 | 587% |
| | Through | 69 | 503 | 434 | 629% | 36 | 356 | 320 | 889% |
| | Right | 308 | 743 | 435 | 141% | 126 | 754 | 628 | 498% |
| | SB Total | 417 | 1,353 | 936 | 224% | 177 | 1,213 | 1,036 | 585% |
| EAST BOUND | Left | 218 | 761 | 543 | 249% | 196 | 780 | 584 | 298% |
| | Through | 510 | 406 | -104 | -20% | 885 | 806 | -79 | -9% |
| | Right | 99 | 215 | 116 | 117% | 100 | 131 | 31 | 31% |
| | EB Total | 827 | 1,382 | 555 | 67% | 1,181 | 1,717 | 536 | 45% |
| WEST BOUND | Left | 117 | 312 | 195 | 167% | 113 | 161 | 48 | 42% |
| | Through | 816 | 719 | -97 | -12% | 669 | 577 | -92 | -14% |
| | Right | 40 | 171 | 131 | 328% | 18 | 78 | 60 | 333% |
| | WB Total | 973 | 1,202 | 229 | 24% | 800 | 816 | 16 | 2% |
| TOTAL ENTERING VOLUME | | 2,535 | 4,590 | 2055 | 81% | 2,438 | 5,040 | 2602 | 107% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 1,353 | 1,213 | | | |
| North Leg | Outbound | 1,270 | 1,537 | | | |
| **North Leg** | **TOTAL** | **2,623** | **2,750** | **9%** | **10%** | **28,000** |
| | | | | | | |
| South Leg | Inbound | 653 | 1,294 | | | |
| South Leg | Outbound | 1,030 | 648 | | | |
| **South Leg** | **TOTAL** | **1,683** | **1,942** | **7%** | **8%** | **24,300** |
| | | | | | | |
| East Leg | Inbound | 1,202 | 816 | | | |
| East Leg | Outbound | 670 | 1,286 | | | |
| **East Leg** | **TOTAL** | **1,872** | **2,102** | **8%** | **9%** | **24,700** |
| | | | | | | |
| West Leg | Inbound | 1,382 | 1,717 | | | |
| West Leg | Outbound | 1,620 | 1,569 | | | |
| **West Leg** | **TOTAL** | **3,002** | **3,286** | **7%** | **7%** | **44,200** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***9,180*** | ***10,080*** | **8%** | ***8%*** | ***121,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A27 Menifee_Newport.xls]Output (*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Menifee Rd (NS) / Holland Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **88** | **149** | **38** | | |
| | | < | v | > | | |
| **88** | ^ | | | | ^ | **70** |
| **87** | > | | | | < | **131** |
| **14** | v | | | | v | **101** |
| | | < | ^ | > | | |
| | | **30** | **191** | **108** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **123** | **524** | | |
| | | | v | ^ | | |
| **76** | < | IN = | | 745 | < | **29** |
| **249** | > | OUT = | | 744 | > | **20** |
| | | | v | ^ | | |
| | | | **124** | **344** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **810** | **811** | | |
| | | | v | ^ | | |
| **741** | < | IN = | | 2636 | < | **548** |
| **561** | > | OUT = | | 2637 | > | **326** |
| | | | v | ^ | | |
| | | | **759** | **717** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | **7,000** | | | |
| | | N | | | |
| **4,400** | W | **LEG** | E | **3,100** | |
| | | S | | | |
| | | **6,500** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | **21,000** | | | |
| | | N | | | |
| **19,400** | W | **LEG** | E | **13,100** | |
| | | S | | | |
| | | **18,500** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **43** | **122** | **21** | | |
| | | < | v | > | | |
| **42** | ^ | | | | ^ | **37** |
| **88** | > | | | | < | **59** |
| **52** | v | | | | v | **11** |
| | | < | ^ | > | | |
| | | **16** | **251** | **14** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **680** | **185** | | |
| | | | v | ^ | | |
| **217** | < | IN = | | 1037 | < | **29** |
| **153** | > | OUT = | | 1038 | > | **43** |
| | | | v | ^ | | |
| | | | **593** | **175** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **1288** | **1123** | | |
| | | | v | ^ | | |
| **871** | < | IN = | | 3676 | < | **388** |
| **948** | > | OUT = | | 3676 | > | **709** |
| | | | v | ^ | | |
| | | | **973** | **1052** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | |
|---|---|---|---|---|---|
| | | 7,000 | | | |
| | | N | | | |
| 4,400 | W | + | E | 3,100 | |
| | | S | | | |
| | | 6,500 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | |
|---|---|---|---|---|---|
| | | 21,000 | | | |
| | | N | | | |
| 19,400 | W | + | E | 13,100 | |
| | | S | | | |
| | | 18,500 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A28 Menifree_Holland.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / Holland Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 275 | 349 | |
| | | v | ^ | |
| 249 | < IN = | 1095 | < | 302 |
| 189 | > OUT = | 1095 | > | 233 |
| | | v | ^ | |
| | | 264 | 329 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| MUL | > | | > | ADD |
| | | v | ^ | |
| | | ADD | MUL | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 690 | 191 | |
| | | v | ^ | |
| 670 | < | | < | 520 |
| 241 | > | | > | 310 |
| | | v | ^ | |
| | | 640 | 361 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 690 | 190 | |
| | | v | ^ | |
| 670 | < | | < | 520 |
| 240 | > | | > | 310 |
| | | v | ^ | |
| | | 640 | 360 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 970 | 542 | |
| | | v | ^ | |
| 923 | < IN = | 2910 | < | 820 |
| 430 | > OUT = | 2910 | > | 542 |
| | | v | ^ | * |
| | | 903 | 690 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 186 | 330 | |
| | | v | ^ | |
| 118 | < IN = | 756 | < | 107 |
| 182 | > OUT = | 756 | > | 123 |
| | | v | ^ | |
| | | 185 | 281 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| MUL | < | | < | ADD |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 164 | 940 | |
| | | v | ^ | |
| 352 | < | | < | 360 |
| 800 | > | | > | 670 |
| | | v | ^ | |
| | | 115 | 880 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 160 | 940 | |
| | | v | ^ | |
| 350 | < | | < | 360 |
| 800 | > | | > | 670 |
| | | v | ^ | |
| | | 120 | 880 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 350 | 1324 | |
| | | v | ^ | |
| 490 | < IN = | 2960 | < | 470 |
| 980 | > OUT = | 2960 | > | 823 |
| | | v | ^ | * |
| | | 323 | 1160 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A28 Menifree_Holland.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / Holland Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 30 | 133 | 103 | 343% | 16 | 79 | 63 | 394% |
| | Through | 191 | 306 | 115 | 60% | 251 | 989 | 738 | 294% |
| | Right | 108 | 248 | 140 | 130% | 14 | 92 | 78 | 557% |
| | NB Total | 329 | 687 | 358 | 109% | 281 | 1,160 | 879 | 313% |
| SOUTH BOUND | Left | 38 | 79 | 41 | 108% | 21 | 76 | 55 | 262% |
| | Through | 149 | 540 | 391 | 262% | 122 | 158 | 36 | 30% |
| | Right | 88 | 354 | 266 | 302% | 43 | 116 | 73 | 170% |
| | SB Total | 275 | 973 | 698 | 254% | 186 | 350 | 164 | 88% |
| EAST BOUND | Left | 88 | 152 | 64 | 73% | 42 | 187 | 145 | 345% |
| | Through | 87 | 215 | 128 | 147% | 88 | 655 | 567 | 644% |
| | Right | 14 | 61 | 47 | 336% | 52 | 139 | 87 | 167% |
| | EB Total | 189 | 428 | 239 | 126% | 182 | 981 | 799 | 439% |
| WEST BOUND | Left | 101 | 303 | 202 | 200% | 11 | 26 | 15 | 136% |
| | Through | 131 | 436 | 305 | 233% | 59 | 295 | 236 | 400% |
| | Right | 70 | 84 | 14 | 20% | 37 | 148 | 111 | 300% |
| | WB Total | 302 | 823 | 521 | 173% | 107 | 469 | 362 | 338% |
| TOTAL ENTERING VOLUME | | 1,095 | 2,911 | 1816 | 166% | 756 | 2,960 | 2204 | 292% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 973 | 350 | | | |
| North Leg | Outbound | 542 | 1,324 | | | |
| **North Leg** | **TOTAL** | **1,515** | **1,674** | **7%** | **8%** | **21,000** |
| | | | | | | |
| South Leg | Inbound | 687 | 1,160 | | | |
| South Leg | Outbound | 904 | 323 | | | |
| **South Leg** | **TOTAL** | **1,591** | **1,483** | **9%** | **8%** | **18,500** |
| | | | | | | |
| East Leg | Inbound | 823 | 469 | | | |
| East Leg | Outbound | 542 | 823 | | | |
| **East Leg** | **TOTAL** | **1,365** | **1,292** | **10%** | **10%** | **13,100** |
| | | | | | | |
| West Leg | Inbound | 428 | 981 | | | |
| West Leg | Outbound | 923 | 490 | | | |
| **West Leg** | **TOTAL** | **1,351** | **1,471** | **7%** | **8%** | **19,400** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***5,822*** | ***5,920*** | **8%** | ***8%*** | ***72,000*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A28 Menifree_Holland.xls]Output (*

INPUT DATA

| | | | | | |
|---|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: | 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: | MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: | July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | | |

LOCATION: **Menifee Rd (NS) / Garbani Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2012** | | | **23** | **206** | **8** | | |
| | | < | v | > | | | |
| | **9** | ^ | | | ^ | **8** | |
| | **10** | > | | | < | **21** | |
| | **22** | v | | | v | **32** | |
| | | < | ^ | > | | | |
| | | | **10** | **169** | **19** | | |

EXISTING MODEL YEAR:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2012** | | | | **143** | **286** | | |
| | | | | v | ^ | | |
| | **2** | < | IN = | | 449 | < | **117** |
| | **3** | > | OUT = | | 449 | > | **86** |
| | | | | v | ^ | | |
| | | | | **75** | **186** | | |

FUTURE MODEL YEAR:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2035** | | | | **693** | **674** | | |
| | | | | v | ^ | | |
| | **755** | < | IN = | | 2536 | < | **628** |
| | **362** | > | OUT = | | 2537 | > | **538** |
| | | | | v | ^ | | |
| | | | | **570** | **853** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **6,300** | | | |
| | | | N | | | |
| | **1,100** | W | **LEG** | E | **1,100** | |
| | | | S | | | |
| | | | **6,900** | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | **18,300** | | | |
| | | | N | | | |
| | **15,100** | W | **LEG** | E | **12,100** | |
| | | | S | | | |
| | | | **18,900** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012 | | | **15** | **133** | **9** | | |
| | | < | v | > | | | |
| | **7** | ^ | | | ^ | **9** | |
| | **8** | > | | | < | **11** | |
| | **14** | v | | | v | **16** | |
| | | < | ^ | > | | | |
| | | | **26** | **294** | **26** | | |

EXISTING MODEL YEAR:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012 | | | | **541** | **162** | | |
| | | | | v | ^ | | |
| | **4** | < | IN = | | 735 | < | **78** |
| | **4** | > | OUT = | | 734 | > | **291** |
| | | | | v | ^ | | |
| | | | | **277** | **112** | | |

FUTURE MODEL YEAR:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2035 | | | | **935** | **973** | | |
| | | | | v | ^ | | |
| | **563** | < | IN = | | 3265 | < | **655** |
| | **810** | > | OUT = | | 3266 | > | **706** |
| | | | | v | ^ | | |
| | | | | **1024** | **865** | | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | 6,300 | | | |
| | | | N | | | |
| | 1,100 | W | + | E | 1,100 | |
| | | | S | | | |
| | | | 6,900 | | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | 18,300 | | | |
| | | | N | | | |
| | 15,100 | W | + | E | 12,100 | |
| | | | S | | | |
| | | | 18,900 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A29 Menifree_Garbani.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 237 | 186 | |
| | | v | ^ | |
| 54 < | IN = | 537 | < | 61 |
| 41 > | OUT = | 537 | > | 37 |
| | | v | ^ | |
| | | 260 | 198 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | MUL | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 550 | 254 | |
| | | v | ^ | |
| 750 < | | | < | 269 |
| 360 > | | | > | 193 |
| | | v | ^ | |
| | | 500 | 670 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 550 | 250 | |
| | | v | ^ | |
| 750 < | | | < | 270 |
| 360 > | | | > | 190 |
| | | v | ^ | |
| | | 500 | 670 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 790 | 472 | |
| | | v | ^ | |
| 857 < | IN = | 2390 | < | 330 |
| 400 > | OUT = | 2390 | > | 247 |
| | | v | ^ | * |
| | | 815 | 870 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 157 | 310 | |
| | | v | ^ | |
| 52 < | IN = | 568 | < | 36 |
| 29 > | OUT = | 568 | > | 43 |
| | | v | ^ | |
| | | 163 | 346 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | MUL |
| ADD > | | | > | MUL |
| | | v | ^ | |
| | | MUL | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 113 | 810 | |
| | | v | ^ | |
| 560 < | | | < | 264 |
| 810 > | | | > | 57 |
| | | v | ^ | |
| | | 437 | 750 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 110 | 810 | |
| | | v | ^ | |
| 560 < | | | < | 260 |
| 810 > | | | > | 60 |
| | | v | ^ | |
| | | 440 | 750 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 270 | 1157 | |
| | | v | ^ | |
| 630 < | IN = | 2510 | < | 300 |
| 840 > | OUT = | 2510 | > | 103 |
| | | v | ^ | * |
| | | 620 | 1100 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A29 Menifree_Garbani.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / Garbani Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 10 | 326 | 316 | 3160% | 26 | 301 | 275 | 1058% |
| | Through | 169 | 424 | 255 | 151% | 294 | 785 | 491 | 167% |
| | Right | 19 | 117 | 98 | 516% | 26 | 15 | -11 | -42% |
| | NB Total | 198 | 867 | 669 | 338% | 346 | 1,101 | 755 | 218% |
| SOUTH BOUND | Left | 8 | 19 | 11 | 138% | 9 | 4 | -5 | -56% |
| | Through | 206 | 491 | 285 | 138% | 133 | 151 | 18 | 14% |
| | Right | 23 | 282 | 259 | 1126% | 15 | 116 | 101 | 673% |
| | SB Total | 237 | 792 | 555 | 234% | 157 | 271 | 114 | 73% |
| EAST BOUND | Left | 9 | 40 | 31 | 344% | 7 | 332 | 325 | 4643% |
| | Through | 10 | 110 | 100 | 1000% | 8 | 84 | 76 | 950% |
| | Right | 22 | 250 | 228 | 1036% | 14 | 423 | 409 | 2921% |
| | EB Total | 41 | 400 | 359 | 876% | 29 | 839 | 810 | 2793% |
| WEST BOUND | Left | 32 | 74 | 42 | 131% | 16 | 46 | 30 | 188% |
| | Through | 21 | 249 | 228 | 1086% | 11 | 214 | 203 | 1845% |
| | Right | 8 | 7 | -1 | -13% | 9 | 40 | 31 | 344% |
| | WB Total | 61 | 330 | 269 | 441% | 36 | 300 | 264 | 733% |
| TOTAL ENTERING VOLUME | | 537 | 2,389 | 1852 | 345% | 568 | 2,511 | 1943 | 342% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 792 | 271 | | | |
| North Leg | Outbound | 471 | 1,157 | | | |
| **North Leg** | **TOTAL** | **1,263** | **1,428** | **7%** | **8%** | **18,300** |
| South Leg | Inbound | 867 | 1,101 | | | |
| South Leg | Outbound | 815 | 620 | | | |
| **South Leg** | **TOTAL** | **1,682** | **1,721** | **9%** | **9%** | **18,900** |
| East Leg | Inbound | 330 | 300 | | | |
| East Leg | Outbound | 246 | 103 | | | |
| **East Leg** | **TOTAL** | **576** | **403** | **5%** | **3%** | **12,100** |
| West Leg | Inbound | 400 | 839 | | | |
| West Leg | Outbound | 857 | 631 | | | |
| **West Leg** | **TOTAL** | **1,257** | **1,470** | **8%** | **10%** | **15,100** |
| ***OVERALL TOTAL*** | | ***4,778*** | ***5,022*** | ***7%*** | ***8%*** | ***64,400*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A29 Menifree_Garbani.xls]Output (*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: | ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: | ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: | ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: | ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Menifee Rd (NS) / Scott Rd (EW)**

| **AM PEAK HOUR** | **PM PEAK HOUR** |
|---|---|
| EXISTING TURNING MOVEMENT VOLUMES: | EXISTING TURNING MOVEMENT VOLUMES: |
| **2012** **98 102 77** | 2012 **68 52 46** |
| < v > | < v > |
| **42** ^ ^ **75** | **179** ^ ^ **87** |
| **353** > < **476** | **593** > < **454** |
| **41** v v **73** | **175** v v **46** |
| < ^ > | < ^ > |
| **125 60 81** | **109 60 48** |
| EXISTING MODEL YEAR: | EXISTING MODEL YEAR: |
| **2012** **90 150** | 2012 **233 124** |
| v ^ | v ^ |
| **488** < IN = 1120 < **461** | **364** < IN = 1263 < **410** |
| **308** > OUT = 1120 > **419** | **514** > OUT = 1263 > **503** |
| v ^ | v ^ |
| **63 261** | **272 106** |
| FUTURE MODEL YEAR: | FUTURE MODEL YEAR: |
| **2035** **620 825** | 2035 **1001 912** |
| v ^ | v ^ |
| **1147** < IN = 3981 < **1335** | **853** < IN = 4840 < **1451** |
| **805** > OUT = 3980 > **1418** | **1367** > OUT = 4841 > **1640** |
| v ^ | v ^ |
| **590 1221** | **1436 1021** |
| EXISTING (COUNTED) ADTs BY LEG: | EXISTING (COUNTED) ADTs BY LEG: |
| 2012 **6,400** | 2012 6,400 |
| N | N |
| **21,300** W **LEG** E **17,200** | 21,300 W + E 17,200 |
| S | S |
| **6,600** | 6,600 |
| REFINED FUTURE ADT'S BY LEG: | REFINED FUTURE ADT'S BY LEG: |
| 2035 **20,400** | 2035 20,400 |
| N | N |
| **34,300** W **LEG** E **36,200** | 34,300 W + E 36,200 |
| S | S |
| **22,600** | 22,600 |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A30 Menifee_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Menifee Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 277 | 177 | |
| | | v | ^ | |
| 699 < | IN = | 1603 | < | 624 |
| 436 > | OUT = | 1603 | > | 511 |
| | | v | ^ | |
| | | 216 | 266 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 530 | 680 | |
| | | v | ^ | |
| 660 < | | | < | 870 |
| 500 > | | | > | 1000 |
| | | v | ^ | |
| | | 530 | 960 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 530 | 680 | |
| | | v | ^ | |
| 660 < | | | < | 870 |
| 500 > | | | > | 1000 |
| | | v | ^ | |
| | | 530 | 960 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 810 | 860 | |
| | | v | ^ | |
| 1360 < | IN = | 4470 | < | 1490 |
| 940 > | OUT = | 4480 | > | 1510 |
| | | v | ^ | * |
| | | 750 | 1230 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 166 | 326 | |
| | | v | ^ | |
| 631 < | IN = | 1917 | < | 587 |
| 947 > | OUT = | 1917 | > | 687 |
| | | v | ^ | |
| | | 273 | 217 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | MUL | ADD | |
| | | v | ^ | |
| ADD < | | | < | ADD |
| ADD > | | | > | ADD |
| | | v | ^ | |
| | | ADD | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% < | | | < | 0% |
| 0% > | | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 544 | 790 | |
| | | v | ^ | |
| 490 < | | | < | 1040 |
| 850 > | | | > | 1140 |
| | | v | ^ | |
| | | 1160 | 920 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 540 | 790 | |
| | | v | ^ | |
| 490 < | | | < | 1040 |
| 850 > | | | > | 1140 |
| | | v | ^ | |
| | | 1160 | 920 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 710 | 1120 | |
| | | v | ^ | |
| 1120 < | IN = | 5280 | < | 1630 |
| 1800 > | OUT = | 5500 | > | 1830 |
| | | v | ^ | * |
| | | 1430 | 1140 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A30 Menifee_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Menifee Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 125 | 339 | 214 | 171% | 109 | 268 | 159 | 146% |
| | Through | 60 | 413 | 353 | 588% | 60 | 439 | 379 | 632% |
| | Right | 81 | 481 | 400 | 494% | 48 | 480 | 432 | 900% |
| | NB Total | 266 | 1,233 | 967 | 364% | 217 | 1,187 | 970 | 447% |
| SOUTH BOUND | Left | 77 | 278 | 201 | 261% | 46 | 236 | 190 | 413% |
| | Through | 102 | 372 | 270 | 265% | 52 | 418 | 366 | 704% |
| | Right | 98 | 162 | 64 | 65% | 68 | 86 | 18 | 26% |
| | SB Total | 277 | 812 | 535 | 193% | 166 | 740 | 574 | 346% |
| EAST BOUND | Left | 42 | 104 | 62 | 148% | 179 | 246 | 67 | 37% |
| | Through | 353 | 751 | 398 | 113% | 593 | 1,114 | 521 | 88% |
| | Right | 41 | 88 | 47 | 115% | 175 | 516 | 341 | 195% |
| | EB Total | 436 | 943 | 507 | 116% | 947 | 1,876 | 929 | 98% |
| WEST BOUND | Left | 73 | 290 | 217 | 297% | 46 | 495 | 449 | 976% |
| | Through | 476 | 859 | 383 | 80% | 454 | 766 | 312 | 69% |
| | Right | 75 | 343 | 268 | 357% | 87 | 436 | 349 | 401% |
| | WB Total | 624 | 1,492 | 868 | 139% | 587 | 1,697 | 1,110 | 189% |
| TOTAL ENTERING VOLUME | | 1,603 | 4,480 | 2877 | 179% | 1,917 | 5,500 | 3583 | 187% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 812 | 740 | | | |
| North Leg | Outbound | 860 | 1,121 | | | |
| **North Leg** | **TOTAL** | **1,672** | **1,861** | **8%** | **9%** | **20,400** |
| South Leg | Inbound | 1,233 | 1,187 | | | |
| South Leg | Outbound | 750 | 1,429 | | | |
| **South Leg** | **TOTAL** | **1,983** | **2,616** | **9%** | **12%** | **22,600** |
| East Leg | Inbound | 1,492 | 1,697 | | | |
| East Leg | Outbound | 1,510 | 1,830 | | | |
| **East Leg** | **TOTAL** | **3,002** | **3,527** | **8%** | **10%** | **36,200** |
| West Leg | Inbound | 943 | 1,876 | | | |
| West Leg | Outbound | 1,360 | 1,120 | | | |
| **West Leg** | **TOTAL** | **2,303** | **2,996** | **7%** | **9%** | **34,300** |
| ***OVERALL TOTAL*** | | ***8,960*** | ***11,000*** | **8%** | ***10%*** | ***113,500*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A30 Menifee_Scott.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Lindenberger Rd (NS) / Newport Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **214** | **0** | **33** | | |
| | | < | v | > | | |
| **147** | ^ | | | | ^ | **12** |
| **578** | > | | | | < | **721** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **26** | **16** | | |
| | | | v | ^ | | |
| **624** | < | IN | = | 1767 | < | **619** |
| **1122** | > | OUT | = | 1767 | > | **1127** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **14** | **49** | | |
| | | | v | ^ | | |
| **926** | < | IN | = | 1999 | < | **943** |
| **1042** | > | OUT | = | 1998 | > | **1023** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **6,500** | | | |
| | | | N | | | |
| **24,900** | W | | **LEG** | | E | **19,800** |
| | | | S | | | |
| | | | **0** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **6,500** | | | |
| | | | N | | | |
| **28,900** | W | | **LEG** | | E | **23,800** |
| | | | S | | | |
| | | | **0** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **154** | **0** | **22** | | |
| | | < | v | > | | |
| **272** | ^ | | | | ^ | **31** |
| **799** | > | | | | < | **616** |
| **0** | v | | | | v | **0** |
| | | < | ^ | > | | |
| | | **0** | **0** | **0** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **26** | **29** | | |
| | | | v | ^ | | |
| **1133** | < | IN | = | 2014 | < | **1131** |
| **857** | > | OUT | = | 2014 | > | **852** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **81** | **98** | | |
| | | | v | ^ | | |
| **1278** | < | IN | = | 2597 | < | **1263** |
| **1253** | > | OUT | = | 2597 | > | **1221** |
| | | | v | ^ | | |
| | | | **0** | **0** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 6,500 | | | |
| | | | N | | | |
| 24,900 | W | | + | | E | 19,800 |
| | | | S | | | |
| | | | 0 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 6,500 | | | |
| | | | N | | | |
| 28,900 | W | | + | | E | 23,800 |
| | | | S | | | |
| | | | 0 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A31 Lindenberger_Newport.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 247 | 159 | | |
| | | v | ^ | | |
| 935 | < IN | = | 1705 | < | 733 |
| 725 | > OUT | = | 1705 | > | 611 |
| | | v | ^ | | |
| | | 0 | 0 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | ADD | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| MIN | > | | | > | MIN |
| | | v | ^ | | |
| | | MUL | MUL | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 30 | | |
| | | v | ^ | | |
| 300 | < | | | < | 320 |
| 0 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 30 | | |
| | | v | ^ | | |
| 300 | < | | | < | 320 |
| 0 | > | | | > | 0 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 250 | 190 | | |
| | | v | ^ | | |
| 1240 | < IN | = | 2030 | < | 1050 |
| 730 | > OUT | = | 2040 | > | 610 |
| | | v | ^ | * | |
| | | 0 | 0 | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 176 | 303 | | |
| | | v | ^ | | |
| 770 | < IN | = | 1894 | < | 647 |
| 1071 | > OUT | = | 1894 | > | 821 |
| | | v | ^ | | |
| | | 0 | 0 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | ADD | ADD | | |
| | | v | ^ | | |
| MUL | < | | | < | MUL |
| ADD | > | | | > | MUL |
| | | v | ^ | | |
| | | MUL | MUL | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 60 | 70 | | |
| | | v | ^ | | |
| 100 | < | | | < | 73 |
| 400 | > | | | > | 359 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 60 | 70 | | |
| | | v | ^ | | |
| 100 | < | | | < | 70 |
| 400 | > | | | > | 360 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 240 | 372 | | |
| | | v | ^ | | |
| 874 | < IN | = | 2430 | < | 720 |
| 1470 | > OUT | = | 2430 | > | 1185 |
| | | v | ^ | * | |
| | | 0 | 0 | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A31 Lindenberger_Newport.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Lindenberger Rd (NS) / Newport Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | NB Total | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| SOUTH BOUND | Left | 33 | 37 | 4 | 12% | 22 | 37 | 15 | 68% |
| | Through | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Right | 214 | 213 | -1 | 0% | 154 | 200 | 46 | 30% |
| | SB Total | 247 | 250 | 3 | 1% | 176 | 237 | 61 | 35% |
| EAST BOUND | Left | 147 | 168 | 21 | 14% | 272 | 334 | 62 | 23% |
| | Through | 578 | 573 | -5 | -1% | 799 | 1,148 | 349 | 44% |
| | Right | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | EB Total | 725 | 741 | 16 | 2% | 1,071 | 1,482 | 411 | 38% |
| WEST BOUND | Left | 0 | 0 | 0 | #DIV/0! | 0 | 0 | 0 | #DIV/0! |
| | Through | 721 | 1,027 | 306 | 42% | 616 | 673 | 57 | 9% |
| | Right | 12 | 22 | 10 | 83% | 31 | 38 | 7 | 23% |
| | WB Total | 733 | 1,049 | 316 | 43% | 647 | 711 | 64 | 10% |
| TOTAL ENTERING VOLUME | | 1,705 | 2,040 | 335 | 20% | 1,894 | 2,430 | 536 | 28% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 250 | 237 | | | |
| North Leg | Outbound | 190 | 372 | | | |
| **North Leg** | **TOTAL** | **440** | **609** | **7%** | **9%** | **6,500** |
| | | | | | | |
| South Leg | Inbound | 0 | 0 | | | |
| South Leg | Outbound | 0 | 0 | | | |
| **South Leg** | **TOTAL** | **0** | **0** | **#DIV/0!** | **#DIV/0!** | **-** |
| | | | | | | |
| East Leg | Inbound | 1,049 | 711 | | | |
| East Leg | Outbound | 610 | 1,185 | | | |
| **East Leg** | **TOTAL** | **1,659** | **1,896** | **7%** | **8%** | **23,800** |
| | | | | | | |
| West Leg | Inbound | 741 | 1,482 | | | |
| West Leg | Outbound | 1,240 | 873 | | | |
| **West Leg** | **TOTAL** | **1,981** | **2,355** | **7%** | **8%** | **28,900** |
| | | | | | | |
| ***OVERALL TOTAL*** | | ***4,080*** | ***4,860*** | ***7%*** | ***8%*** | ***59,200*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A31 Lindenberger_Newport.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Briggs Rd (NS) / Pinacate Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | **80** | **128** | **161** | |
| | | < | v | > | | |
| | **126** | ^ | | | ^ | **97** |
| | **557** | > | | | < | **837** |
| | **494** | v | | | v | **152** |
| | | < | ^ | > | | |
| | | | **351** | **130** | **101** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2012** | | | | **26** | **14** | |
| | | | | v | ^ | |
| | **1046** | < | IN | = | 2041 | < **1069** |
| | **813** | > | OUT | = | 2041 | > **918** |
| | | | | v | ^ | |
| | | | | **63** | **133** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| **2035** | | | | **188** | **422** | |
| | | | | v | ^ | |
| | **2101** | < | IN | = | 4458 | < **1814** |
| | **2333** | > | OUT | = | 4458 | > **1799** |
| | | | | v | ^ | |
| | | | | **136** | **123** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | **3,900** | | |
| | | | N | | |
| | **31,500** | W | **LEG** | E | **28,700** |
| | | | S | | |
| | | | **5,700** | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | **6,900** | | |
| | | | N | | |
| | **64,500** | W | **LEG** | E | **61,700** |
| | | | S | | |
| | | | **11,700** | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | **59** | **28** | **72** | |
| | | < | v | > | | |
| | **60** | ^ | | | ^ | **32** |
| | **1149** | > | | | < | **790** |
| | **155** | v | | | v | **40** |
| | | < | ^ | > | | |
| | | | **117** | **40** | **41** | |

EXISTING MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2012 | | | | **21** | **31** | |
| | | | | v | ^ | |
| | **983** | < | IN | = | 2408 | < **1149** |
| | **1123** | > | OUT | = | 2407 | > **1194** |
| | | | | v | ^ | |
| | | | | **199** | **115** | |

FUTURE MODEL YEAR:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2035 | | | | **593** | **383** | |
| | | | | v | ^ | |
| | **2422** | < | IN | = | 4962 | < **1758** |
| | **2482** | > | OUT | = | 4962 | > **1980** |
| | | | | v | ^ | |
| | | | | **177** | **129** | |

EXISTING (COUNTED) ADTs BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2012 | | | 3,900 | | |
| | | | N | | |
| | 31,500 | W | + | E | 28,700 |
| | | | S | | |
| | | | 5,700 | | |

REFINED FUTURE ADT'S BY LEG:

| | | | | | |
|---|---|---|---|---|---|
| 2035 | | | 6,900 | | |
| | | | N | | |
| | 64,500 | W | + | E | 61,700 |
| | | | S | | |
| | | | 11,700 | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A32 Briggs_Pinacate.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 369 | 353 | |
| | | v | ^ | |
| 1268 | < IN = | 3214 | < | 1086 |
| 1177 | > OUT = | 3214 | > | 819 |
| | | v | ^ | |
| | | 774 | 582 | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| ADD | < | | < | ADD |
| ADD | > | | > | MUL |
| | | v | ^ | |
| | | ADD | MIN | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

REFINED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 160 | 410 | |
| | | v | ^ | |
| 1060 | < | | < | 750 |
| 1520 | > | | > | 781 |
| | | v | ^ | |
| | | 70 | 0 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 160 | 410 | |
| | | v | ^ | |
| 1060 | < | | < | 750 |
| 1520 | > | | > | 780 |
| | | v | ^ | |
| | | 70 | 0 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 530 | 776 | |
| | | v | ^ | |
| 2381 | < IN = | 5650 | < | 1840 |
| 2700 | > OUT = | 5650 | > | 1635 |
| | | v | ^ | * |
| | | 858 | 580 | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | |
|---|---|---|---|---|
| | | 159 | 132 | |
| | | v | ^ | |
| 966 | < IN = | 2583 | < | 862 |
| 1364 | > OUT = | 2583 | > | 1262 |
| | | v | ^ | |
| | | 223 | 198 | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | |
|---|---|---|---|---|
| | | ADD | ADD | |
| | | v | ^ | |
| MUL | < | | < | MUL |
| ADD | > | | > | ADD |
| | | v | ^ | |
| | | MIN | ADD | |

| | | | | |
|---|---|---|---|---|
| | | 0% | 0% | |
| | | v | ^ | |
| 0% | < | | < | 0% |
| 0% | > | | > | 0% |
| | | v | ^ | |
| | | 0% | 0% | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | |
|---|---|---|---|---|
| | | 570 | 350 | |
| | | v | ^ | |
| 1414 | < | | < | 458 |
| 1360 | > | | > | 790 |
| | | v | ^ | |
| | | 0 | 10 | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | |
|---|---|---|---|---|
| | | 570 | 350 | |
| | | v | ^ | |
| 1410 | < | | < | 460 |
| 1360 | > | | > | 790 |
| | | v | ^ | |
| | | 0 | 10 | |

NEW PROJECTED VOLUMES: 2035

| | | | | |
|---|---|---|---|---|
| | | 730 | 480 | |
| | | v | ^ | |
| 2380 | < IN = | 4980 | < | 1320 |
| 2720 | > OUT = | 5130 | > | 2050 |
| | | v | ^ | * |
| | | 220 | 210 | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A32 Briggs_Pinacate.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Briggs Rd (NS) / Pinacate Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 351 | 438 | 87 | 25% | 117 | 201 | 84 | 72% |
| | Through | 130 | 104 | -26 | -20% | 40 | 25 | -15 | -38% |
| | Right | 101 | 46 | -55 | -54% | 41 | 6 | -35 | -85% |
| | NB Total | 582 | 588 | 6 | 1% | 198 | 232 | 34 | 17% |
| SOUTH BOUND | Left | 161 | 189 | 28 | 17% | 72 | 76 | 4 | 6% |
| | Through | 128 | 86 | -42 | -33% | 28 | 22 | -6 | -21% |
| | Right | 80 | 255 | 175 | 219% | 59 | 712 | 653 | 1107% |
| | SB Total | 369 | 530 | 161 | 44% | 159 | 810 | 651 | 409% |
| EAST BOUND | Left | 126 | 548 | 422 | 335% | 60 | 433 | 373 | 622% |
| | Through | 557 | 1,399 | 842 | 151% | 1,149 | 1,967 | 818 | 71% |
| | Right | 494 | 708 | 214 | 43% | 155 | 194 | 39 | 25% |
| | EB Total | 1,177 | 2,655 | 1,478 | 126% | 1,364 | 2,594 | 1,230 | 90% |
| WEST BOUND | Left | 152 | 64 | -88 | -58% | 40 | 5 | -35 | -88% |
| | Through | 837 | 1,687 | 850 | 102% | 790 | 1,467 | 677 | 86% |
| | Right | 97 | 125 | 28 | 29% | 32 | 22 | -10 | -31% |
| | WB Total | 1,086 | 1,876 | 790 | 73% | 862 | 1,494 | 632 | 73% |
| TOTAL ENTERING VOLUME | | 3,214 | 5,649 | 2435 | 76% | 2,583 | 5,130 | 2547 | 99% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 530 | 810 | | | |
| North Leg | Outbound | 777 | 480 | | | |
| **North Leg** | **TOTAL** | **1,307** | **1,290** | **19%** | **19%** | **6,900** |
| South Leg | Inbound | 588 | 232 | | | |
| South Leg | Outbound | 858 | 221 | | | |
| **South Leg** | **TOTAL** | **1,446** | **453** | **12%** | **4%** | **11,700** |
| East Leg | Inbound | 1,876 | 1,494 | | | |
| East Leg | Outbound | 1,634 | 2,049 | | | |
| **East Leg** | **TOTAL** | **3,510** | **3,543** | **6%** | **6%** | **61,700** |
| West Leg | Inbound | 2,655 | 2,594 | | | |
| West Leg | Outbound | 2,380 | 2,380 | | | |
| **West Leg** | **TOTAL** | **5,035** | **4,974** | **8%** | **8%** | **64,500** |
| ***OVERALL TOTAL*** | | ***11,298*** | ***10,260*** | **8%** | ***7%*** | ***144,800*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A32 Briggs_Pinacate.xls]Output (3)*

INPUT DATA

| | | | | |
|---|---|---|---|---|
| Project: ==========> | City of Menifee General Plan | <=== | Job #: 06944 |
| Scenario: ==========> | Menifee GP Alternative 2 | <=== | Analyst: MD |
| Existing Conditions Model Run ID: ==> | RivTAM-Existing Base Model | <=== | Date: July 26, 2012 |
| Future Conditions Model Run ID: ==> | RivTAM-Menifee GP Alternative 2 | <=== | |

LOCATION: **Briggs Rd (NS) / Scott Rd (EW)**

**AM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **27** | **5** | **4** | | |
| | | < | v | > | | |
| **12** | ^ | | | | ^ | **1** |
| **440** | > | | | | < | **440** |
| **40** | v | | | | v | **2** |
| | | < | ^ | > | | |
| | | **29** | **1** | **2** | | |

EXISTING MODEL YEAR:

**2012**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **125** | **222** | | |
| | | | v | ^ | | |
| **428** | < | IN = | | 1094 | < | **309** |
| **390** | > | OUT = | | 1093 | > | **258** |
| | | | v | ^ | | |
| | | | **185** | **270** | | |

FUTURE MODEL YEAR:

**2035**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **19** | **12** | | |
| | | | v | ^ | | |
| **1335** | < | IN = | | 2784 | < | **1332** |
| **1418** | > | OUT = | | 2784 | > | **1428** |
| | | | v | ^ | | |
| | | | **9** | **15** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **700** | | | |
| | | | N | | | |
| **14,600** | W | | **LEG** | | E | **13,400** |
| | | | S | | | |
| | | | **900** | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **2,700** | | | |
| | | | N | | | |
| **35,600** | W | | **LEG** | | E | **30,400** |
| | | | S | | | |
| | | | **7,900** | | | |

**PM PEAK HOUR**

EXISTING TURNING MOVEMENT VOLUMES:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **17** | **1** | **5** | | |
| | | < | v | > | | |
| **27** | ^ | | | | ^ | **2** |
| **511** | > | | | | < | **471** |
| **31** | v | | | | v | **2** |
| | | < | ^ | > | | |
| | | **26** | **2** | **1** | | |

EXISTING MODEL YEAR:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **336** | **110** | | |
| | | | v | ^ | | |
| **360** | < | IN = | | 1253 | < | **260** |
| **479** | > | OUT = | | 1254 | > | **367** |
| | | | v | ^ | | |
| | | | **417** | **178** | | |

FUTURE MODEL YEAR:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | **13** | **18** | | |
| | | | v | ^ | | |
| **1451** | < | IN = | | 3122 | < | **1456** |
| **1640** | > | OUT = | | 3121 | > | **1634** |
| | | | v | ^ | | |
| | | | **18** | **13** | | |

EXISTING (COUNTED) ADTs BY LEG:

2012

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 700 | | | |
| | | | N | | | |
| 14,600 | W | | + | | E | 13,400 |
| | | | S | | | |
| | | | 900 | | | |

REFINED FUTURE ADT'S BY LEG:

2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 2,700 | | | |
| | | | N | | | |
| 35,600 | W | | + | | E | 30,400 |
| | | | S | | | |
| | | | 7,900 | | | |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A33 Briggs_Scott.xls]Input (1)*

Project: City of Menifee General Plan
Scenario: Menifee GP Alternative 2

Job #: 06944
Analyst: MD
Date: July 26, 2012

LOCATION: Briggs Rd (NS) / Scott Rd (EW)

EXISTING COUNTED INBOUND AND OUTBOUND VOLUME CALCULATION

**AM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 36 | 14 | | |
| | | v | ^ | | |
| 496 | < IN | = | 1003 | < | 443 |
| 492 | > OUT | = | 1003 | > | 446 |
| | | v | ^ | | |
| | | 47 | 32 | | |

GROWTH CALCULATION DECISION RULE
MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MIN | MIN | | |

MINIMUM GROWTH %s 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

REFINED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 910 | < | | | < | 1020 |
| 1030 | > | | | > | 1170 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 910 | < | | | < | 1020 |
| 1030 | > | | | > | 1170 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 40 | 10 | | | |
| | | v | ^ | | | |
| 1410 | < IN | = | 3050 | < | 1460 | |
| 1520 | > OUT | = | 3090 | > | 1620 | |
| | | v | ^ | * | | |
| | | 50 | 30 | | | |

**PM**

EXISTING COUNT YEAR:
2012

| | | | | | |
|---|---|---|---|---|---|
| | | 23 | 31 | | |
| | | v | ^ | | |
| 514 | < IN | = | 1096 | < | 475 |
| 569 | > OUT | = | 1096 | > | 517 |
| | | v | ^ | | |
| | | 34 | 29 | | |

MIN = Minimum Count Growth Approach
ADD = Additive (Growth Increment) Approach
MUL = Multiplicative (Ratio) Approach

| | | | | | |
|---|---|---|---|---|---|
| | | MIN | MIN | | |
| | | v | ^ | | |
| ADD | < | | | < | ADD |
| ADD | > | | | > | ADD |
| | | v | ^ | | |
| | | MIN | MIN | | |

| | | | | | |
|---|---|---|---|---|---|
| | | 0% | 0% | | |
| | | v | ^ | | |
| 0% | < | | | < | 0% |
| 0% | > | | | > | 0% |
| | | v | ^ | | |
| | | 0% | 0% | | |

ADJUSTED GROWTH: 2012 TO 2035

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1090 | < | | | < | 1200 |
| 1160 | > | | | > | 1270 |
| | | v | ^ | | |
| | | 0 | 0 | | |

PRORATED GROWTH: 2012 TO 2035
23 YEARS

| | | | | | |
|---|---|---|---|---|---|
| | | 0 | 0 | | |
| | | v | ^ | | |
| 1090 | < | | | < | 1200 |
| 1160 | > | | | > | 1270 |
| | | v | ^ | | |
| | | 0 | 0 | | |

NEW PROJECTED VOLUMES: 2035

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 20 | 30 | | | |
| | | v | ^ | | | |
| 1605 | < IN | = | 3460 | < | 1680 | |
| 1730 | > OUT | = | 3460 | > | 1795 | |
| | | v | ^ | * | | |
| | | 30 | 30 | | | |

* NOTE: Outbound future volume may be factored (increased) to match inbound if inbound is greater than outbound.

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A33 Briggs_Scott.xls] Growth Summary (2)*

| | | | |
|---|---|---|---|
| Project: | City of Menifee General Plan | Job #: | 06944 |
| Scenario: | Menifee GP Alternative 2 | Analyst: | MD |
| | | Date: | July 26, 2012 |

LOCATION: Briggs Rd (NS) / Scott Rd (EW)
FORECAST YEAR: 2035

**INDIVIDUAL TURN VOLUME GROWTH REVIEW**

| | | AM PEAK HOUR INPUT DATA | | | | PM PEAK HOUR INPUT DATA | | | |
|---|---|---|---|---|---|---|---|---|---|
| APPROACH | TURNING MOVEMENT | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE | EXISTING COUNT | FUTURE VOLUME | DIFF-ERENCE | % CHANGE |
| NORTH BOUND | Left | 29 | 23 | -6 | -21% | 26 | 25 | -1 | -4% |
| | Through | 1 | 0 | -1 | -100% | 2 | 1 | -1 | -50% |
| | Right | 2 | 5 | 3 | 150% | 1 | 3 | 2 | 200% |
| | NB Total | 32 | 28 | -4 | -13% | 29 | 29 | 0 | 0% |
| SOUTH BOUND | Left | 4 | 12 | 8 | 200% | 5 | 8 | 3 | 60% |
| | Through | 5 | 4 | -1 | -20% | 1 | 0 | -1 | -100% |
| | Right | 27 | 24 | -3 | -11% | 17 | 11 | -6 | -35% |
| | SB Total | 36 | 40 | 4 | 11% | 23 | 19 | -4 | -17% |
| EAST BOUND | Left | 12 | 8 | -4 | -33% | 27 | 24 | -3 | -11% |
| | Through | 440 | 1,603 | 1,163 | 264% | 511 | 1,784 | 1,273 | 249% |
| | Right | 40 | 40 | 0 | 0% | 31 | 26 | -5 | -16% |
| | EB Total | 492 | 1,651 | 1,159 | 236% | 569 | 1,834 | 1,265 | 222% |
| WEST BOUND | Left | 2 | 6 | 4 | 200% | 2 | 4 | 2 | 100% |
| | Through | 440 | 1,363 | 923 | 210% | 471 | 1,569 | 1,098 | 233% |
| | Right | 1 | 2 | 1 | 100% | 2 | 5 | 3 | 150% |
| | WB Total | 443 | 1,371 | 928 | 209% | 475 | 1,578 | 1,103 | 232% |
| TOTAL ENTERING VOLUME | | 1,003 | 3,090 | 2087 | 208% | 1,096 | 3,460 | 2364 | 216% |

**FORECAST PEAK HOUR TO ADT COMPARISON**

| | | VOLUMES | | PERCENT OF ADT | | |
|---|---|---|---|---|---|---|
| | | AM | PM | AM | PM | ADT |
| North Leg | Inbound | 40 | 19 | | | |
| North Leg | Outbound | 10 | 30 | | | |
| **North Leg** | **TOTAL** | **50** | **49** | **2%** | **2%** | **2,700** |
| South Leg | Inbound | 28 | 29 | | | |
| South Leg | Outbound | 50 | 30 | | | |
| **South Leg** | **TOTAL** | **78** | **59** | **1%** | **1%** | **7,900** |
| East Leg | Inbound | 1,371 | 1,578 | | | |
| East Leg | Outbound | 1,620 | 1,795 | | | |
| **East Leg** | **TOTAL** | **2,991** | **3,373** | **10%** | **11%** | **30,400** |
| West Leg | Inbound | 1,651 | 1,834 | | | |
| West Leg | Outbound | 1,410 | 1,605 | | | |
| **West Leg** | **TOTAL** | **3,061** | **3,439** | **9%** | **10%** | **35,600** |
| ***OVERALL TOTAL*** | | ***6,180*** | ***6,920*** | **8%** | ***9%*** | ***76,600*** |

*U:\UcJobs_06600-07000_06900\06944\Post Processing\Menifee GP Alternative 2\[A33 Briggs_Scott.xls]Output (3)*

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# APPENDIX 7.7

General Plan EDC Alternative (Post-2035) Intersection Peak Hour Analysis

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 105 | Critical Vol./Cap.(X): | 0.426 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 31.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 15 | 3 | 25 | 696 | 1 | 239 | 70 | 864 | 3 | 10 | 864 | 193 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 15 | 3 | 25 | 696 | 1 | 239 | 70 | 864 | 3 | 10 | 864 | 193 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 16 | 3 | 26 | 733 | 1 | 252 | 74 | 909 | 3 | 11 | 909 | 203 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 16 | 3 | 26 | 733 | 1 | 252 | 74 | 909 | 3 | 11 | 909 | 203 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 16 | 3 | 26 | 733 | 1 | 252 | 74 | 909 | 3 | 11 | 909 | 203 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 176 | 1469 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.02 | 0.02 | 0.21 | 0.00 | 0.16 | 0.02 | 0.18 | 0.00 | 0.01 | 0.18 | 0.13 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.10 | 0.15 | 0.15 | 0.32 | 0.37 | 0.37 | 0.10 | 0.28 | 0.28 | 0.10 | 0.29 | 0.61 |
| Volume/Cap: | 0.09 | 0.12 | 0.12 | 0.65 | 0.00 | 0.42 | 0.22 | 0.62 | 0.01 | 0.06 | 0.61 | 0.21 |
| Delay/Veh: | 43.6 | 39.2 | 39.2 | 32.0 | 20.8 | 25.0 | 44.2 | 33.8 | 27.2 | 42.9 | 33.3 | 9.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 43.6 | 39.2 | 39.2 | 32.0 | 20.8 | 25.0 | 44.2 | 33.8 | 27.2 | 42.9 | 33.3 | 9.4 |
| LOS by Move: | D | D | D | C | C | C | D | C | C | D | C | A |
| HCM2kAvgQ: | 1 | 1 | 1 | 11 | 0 | 6 | 1 | 10 | 0 | 0 | 10 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

Cycle (sec): 115 | Critical Vol./Cap.(X): 0.651
Loss Time (sec): 16 | Average Delay (sec/veh): 47.5
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 35 | 130 | 599 | 553 | 323 | 576 | 97 | 1099 | 43 | 775 | 829 | 213 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 35 | 130 | 599 | 553 | 323 | 576 | 97 | 1099 | 43 | 775 | 829 | 213 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 37 | 137 | 631 | 582 | 340 | 606 | 102 | 1157 | 45 | 816 | 873 | 224 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 37 | 137 | 631 | 582 | 340 | 606 | 102 | 1157 | 45 | 816 | 873 | 224 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 37 | 137 | 631 | 582 | 340 | 606 | 102 | 1157 | 45 | 816 | 873 | 224 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.04 | 0.39 | 0.17 | 0.09 | 0.38 | 0.03 | 0.22 | 0.03 | 0.23 | 0.17 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.19 | 0.43 | 0.20 | 0.30 | 0.42 | 0.13 | 0.23 | 0.23 | 0.24 | 0.35 | 0.35 |
| Volume/Cap: | 0.12 | 0.20 | 0.91 | 0.85 | 0.32 | 0.88 | 0.23 | 0.95 | 0.12 | 0.96 | 0.48 | 0.40 |
| Delay/Veh: | 48.6 | 39.7 | 46.6 | 54.0 | 31.7 | 43.4 | 45.2 | 58.7 | 34.8 | 63.9 | 29.5 | 28.8 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 48.6 | 39.7 | 46.6 | 54.0 | 31.7 | 43.4 | 45.2 | 58.7 | 34.8 | 63.9 | 29.5 | 28.8 |
| LOS by Move: | D | D | D | D | C | D | D | E | C | E | C | C |
| HCM2kAvgQ: | 1 | 2 | 25 | 13 | 5 | 23 | 2 | 19 | 1 | 19 | 9 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.769 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 46.7 |
| Optimal Cycle: | OPTIMIZED | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 91 | 126 | 193 | 198 | 61 | 122 | 3 | 1929 | 35 | 147 | 1546 | 101 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 91 | 126 | 193 | 198 | 61 | 122 | 3 | 1929 | 35 | 147 | 1546 | 101 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 94 | 131 | 200 | 205 | 63 | 126 | 3 | 1999 | 36 | 152 | 1602 | 105 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 94 | 131 | 200 | 205 | 63 | 126 | 3 | 1999 | 36 | 152 | 1602 | 105 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 94 | 131 | 200 | 205 | 63 | 126 | 3 | 1999 | 36 | 152 | 1602 | 105 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.04 | 0.12 | 0.11 | 0.02 | 0.08 | 0.00 | 0.39 | 0.02 | 0.04 | 0.31 | 0.06 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.28 | 0.28 | 0.12 | 0.30 | 0.30 | 0.10 | 0.39 | 0.39 | 0.08 | 0.37 | 0.37 |
| Volume/Cap: | 0.57 | 0.13 | 0.45 | 0.98 | 0.06 | 0.26 | 0.01 | 0.98 | 0.06 | 0.52 | 0.82 | 0.17 |
| Delay/Veh: | 57.2 | 32.8 | 36.7 | 109.7 | 30.0 | 32.2 | 48.5 | 51.8 | 22.7 | 54.4 | 36.9 | 25.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.2 | 32.8 | 36.7 | 109.7 | 30.0 | 32.2 | 48.5 | 51.8 | 22.7 | 54.4 | 36.9 | 25.2 |
| LOS by Move: | E | C | D | F | C | C | D | D | C | D | D | C |
| HCM2kAvgQ: | 4 | 2 | 6 | 12 | 1 | 4 | 0 | 33 | 1 | 3 | 21 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.393
Loss Time (sec): 16 Average Delay (sec/veh): 26.2
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 6 | 150 | 145 | 68 | 172 | 95 | 124 | 398 | 13 | 220 | 209 | 68 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 6 | 150 | 145 | 68 | 172 | 95 | 124 | 398 | 13 | 220 | 209 | 68 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 6 | 158 | 153 | 72 | 181 | 100 | 131 | 419 | 14 | 232 | 220 | 72 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 6 | 158 | 153 | 72 | 181 | 100 | 131 | 419 | 14 | 232 | 220 | 72 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 6 | 158 | 153 | 72 | 181 | 100 | 131 | 419 | 14 | 232 | 220 | 72 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.04 | 0.09 | 0.04 | 0.05 | 0.06 | 0.04 | 0.12 | 0.01 | 0.07 | 0.06 | 0.04 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.03 | 0.14 | 0.31 | 0.33 | 0.16 | 0.20 | 0.31 | 0.45 | 0.03 | 0.54 | 0.24 | 0.17 |
| Delay/Veh: | 31.8 | 20.8 | 22.2 | 33.8 | 20.9 | 21.3 | 33.2 | 26.0 | 22.9 | 35.3 | 24.3 | 23.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.8 | 20.8 | 22.2 | 33.8 | 20.9 | 21.3 | 33.2 | 26.0 | 22.9 | 35.3 | 24.3 | 23.9 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 3 | 2 | 2 | 2 | 2 | 5 | 0 | 4 | 2 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

Cycle (sec): 85 Critical Vol./Cap.(X): 0.188
Loss Time (sec): 16 Average Delay (sec/veh): 23.5
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 2 | 0 1 | | 1 0 2 | 0 1 | | 1 0 1 | 1 0 | | 1 0 1 | 1 0 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 7 | 207 | 34 | 28 | 311 | 70 | 18 | 62 | 60 | 33 | 18 | 20 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 7 | 207 | 34 | 28 | 311 | 70 | 18 | 62 | 60 | 33 | 18 | 20 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 7 | 218 | 36 | 29 | 327 | 74 | 19 | 65 | 63 | 35 | 19 | 21 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 7 | 218 | 36 | 29 | 327 | 74 | 19 | 65 | 63 | 35 | 19 | 21 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 7 | 218 | 36 | 29 | 327 | 74 | 19 | 65 | 63 | 35 | 19 | 21 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.88 | 0.88 | 0.95 | 0.87 | 0.87 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.02 | 0.98 | 1.00 | 1.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 1699 | 1644 | 1805 | 1662 | 1662 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.06 | 0.02 | 0.02 | 0.09 | 0.05 | 0.01 | 0.04 | 0.04 | 0.02 | 0.01 | 0.01 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.14 | 0.32 | 0.32 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.03 | 0.20 | 0.07 | 0.12 | 0.29 | 0.14 | 0.09 | 0.15 | 0.15 | 0.16 | 0.04 | 0.05 |
| Delay/Veh: | 33.3 | 22.3 | 21.4 | 32.5 | 21.9 | 20.9 | 33.6 | 24.4 | 24.4 | 34.1 | 23.6 | 23.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 33.3 | 22.3 | 21.4 | 32.5 | 21.9 | 20.9 | 33.6 | 24.4 | 24.4 | 34.1 | 23.6 | 23.7 |
| LOS by Move: | C | C | C | C | C | C | C | C | C | C | C | C |
| HCM2kAvgQ: | 0 | 2 | 1 | 1 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 110 | Critical Vol./Cap.(X): | 0.439 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 36.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Ovl | | | | Include | | | | Ovl | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 34 | 34 | | 10 | 29 | 29 | | 10 | 29 | 29 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 3 | 0 | 1 | 2 | 0 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 42 | 109 | 30 | | 947 | 168 | 465 | | 477 | 1248 | 54 | | 71 | 839 | 391 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 42 | 109 | 30 | | 947 | 168 | 465 | | 477 | 1248 | 54 | | 71 | 839 | 391 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 44 | 115 | 32 | | 997 | 177 | 489 | | 502 | 1314 | 57 | | 75 | 883 | 412 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 44 | 115 | 32 | | 997 | 177 | 489 | | 502 | 1314 | 57 | | 75 | 883 | 412 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 44 | 115 | 32 | | 997 | 177 | 489 | | 502 | 1314 | 57 | | 75 | 883 | 412 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | |
| Final Sat.: | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.03 | 0.02 | | 0.28 | 0.05 | 0.30 | | 0.14 | 0.25 | 0.04 | | 0.02 | 0.17 | 0.25 | |
| Crit Moves: | **** | | | | | **** | | | **** | | | | | **** | | |
| Green/Cycle: | 0.09 | 0.10 | 0.10 | | 0.30 | 0.31 | 0.50 | | 0.19 | 0.34 | 0.34 | | 0.12 | 0.26 | 0.57 | |
| Volume/Cap: | 0.14 | 0.33 | 0.20 | | 0.94 | 0.16 | 0.61 | | 0.75 | 0.75 | 0.10 | | 0.18 | 0.65 | 0.45 | |
| Delay/Veh: | 46.2 | 46.9 | 46.4 | | 52.5 | 27.7 | 21.1 | | 46.8 | 34.1 | 25.1 | | 44.1 | 37.0 | 14.2 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 46.2 | 46.9 | 46.4 | | 52.5 | 27.7 | 21.1 | | 46.8 | 34.1 | 25.1 | | 44.1 | 37.0 | 14.2 | |
| LOS by Move: | D | D | D | | D | C | C | | D | C | C | | D | D | B | |
| HCM2kAvgQ: | 1 | 2 | 1 | | 21 | 2 | 12 | | 10 | 16 | 1 | | 1 | 10 | 8 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

Cycle (sec): 85 Critical Vol./Cap.(X): 0.410
Loss Time (sec): 12 Average Delay (sec/veh): 19.8
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 1 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 308 | 0 | 452 | 226 | 1367 | 0 | 0 | 943 | 145 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 308 | 0 | 452 | 226 | 1367 | 0 | 0 | 943 | 145 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 324 | 0 | 476 | 238 | 1439 | 0 | 0 | 993 | 153 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 324 | 0 | 476 | 238 | 1439 | 0 | 0 | 993 | 153 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 324 | 0 | 476 | 238 | 1439 | 0 | 0 | 993 | 153 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.29 | 0.07 | 0.28 | 0.00 | 0.00 | 0.19 | 0.09 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.51 | 0.12 | 0.47 | 0.00 | 0.00 | 0.35 | 0.35 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.58 | 0.55 | 0.59 | 0.00 | 0.00 | 0.55 | 0.27 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.6 | 0.0 | 15.4 | 36.6 | 16.9 | 0.0 | 0.0 | 22.8 | 20.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.6 | 0.0 | 15.4 | 36.6 | 16.9 | 0.0 | 0.0 | 22.8 | 20.3 |
| LOS by Move: | A | A | A | B | A | B | D | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 3 | 0 | 9 | 4 | 11 | 0 | 0 | 8 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.663
Loss Time (sec): 16 | Average Delay (sec/veh): 42.6
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | | Ovl | | | | Include | | | | Include | | | | Include | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 1 | 1 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 89 | 52 | 524 | | 151 | 63 | 17 | | 57 | 1088 | 106 | | 621 | 994 | 80 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 89 | 52 | 524 | | 151 | 63 | 17 | | 57 | 1088 | 106 | | 621 | 994 | 80 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.85 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 1.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 1615 | | 1805 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.02 | 0.34 | | 0.09 | 0.02 | 0.01 | | 0.02 | 0.32 | 0.07 | | 0.19 | 0.29 | 0.05 | |
| Crit Moves: | **** | | | | | **** | | | | **** | | | **** | | | |
| Green/Cycle: | 0.08 | 0.19 | 0.40 | | 0.11 | 0.22 | 0.22 | | 0.13 | 0.36 | 0.36 | | 0.21 | 0.44 | 0.44 | |
| Volume/Cap: | 0.62 | 0.08 | 0.85 | | 0.81 | 0.08 | 0.05 | | 0.14 | 0.89 | 0.19 | | 0.89 | 0.66 | 0.12 | |
| Delay/Veh: | 61.0 | 39.9 | 43.2 | | 73.9 | 37.6 | 37.3 | | 46.7 | 44.3 | 26.8 | | 58.9 | 27.5 | 19.9 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 61.0 | 39.9 | 43.2 | | 73.9 | 37.6 | 37.3 | | 46.7 | 44.3 | 26.8 | | 58.9 | 27.5 | 19.9 | |
| LOS by Move: | E | D | D | | E | D | D | | D | D | C | | E | C | B | |
| HCM2kAvgQ: | 4 | 1 | 21 | | 8 | 1 | 1 | | 1 | 24 | 3 | | 15 | 16 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 60 | Critical Vol./Cap.(X): 0.265
Loss Time (sec): 12 | Average Delay (sec/veh): 14.0
Optimal Cycle: OPTIMIZED | Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 91 | 476 | 0 | 0 | 430 | 43 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 91 | 476 | 0 | 0 | 430 | 43 | 58 | 0 | 62 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | | |
| PHF Volume: | 96 | 501 | 0 | 0 | 453 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 96 | 501 | 0 | 0 | 453 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 96 | 501 | 0 | 0 | 453 | 45 | 61 | 0 | 65 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.14 | 0.00 | 0.00 | 0.13 | 0.03 | 0.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | | | **** | | | | | | | |
| Green/Cycle: | 0.14 | 0.52 | 0.00 | 0.00 | 0.38 | 0.38 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.37 | 0.27 | 0.00 | 0.00 | 0.33 | 0.07 | 0.11 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 27.5 | 9.2 | 0.0 | 0.0 | 15.5 | 13.8 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 27.5 | 9.2 | 0.0 | 0.0 | 15.5 | 13.8 | 17.4 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | A | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 2 | 3 | 0 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

Cycle (sec): 110 | Critical Vol./Cap.(X): 0.617
Loss Time (sec): 16 | Average Delay (sec/veh): 39.2
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 238 | 315 | 406 | 253 | 219 | 128 | 221 | 1435 | 183 | 269 | 856 | 185 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 238 | 315 | 406 | 253 | 219 | 128 | 221 | 1435 | 183 | 269 | 856 | 185 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 251 | 332 | 427 | 266 | 231 | 135 | 233 | 1511 | 193 | 283 | 901 | 195 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 251 | 332 | 427 | 266 | 231 | 135 | 233 | 1511 | 193 | 283 | 901 | 195 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 251 | 332 | 427 | 266 | 231 | 135 | 233 | 1511 | 193 | 283 | 901 | 195 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.09 | 0.26 | 0.15 | 0.06 | 0.08 | 0.07 | 0.29 | 0.12 | 0.08 | 0.17 | 0.12 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.23 | 0.32 | 0.18 | 0.32 | 0.32 | 0.12 | 0.35 | 0.35 | 0.10 | 0.33 | 0.33 |
| Volume/Cap: | 0.79 | 0.40 | 0.82 | 0.81 | 0.20 | 0.26 | 0.55 | 0.84 | 0.34 | 0.84 | 0.53 | 0.37 |
| Delay/Veh: | 61.2 | 36.5 | 44.0 | 57.1 | 27.4 | 28.2 | 47.2 | 36.5 | 26.9 | 65.1 | 30.7 | 28.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 61.2 | 36.5 | 44.0 | 57.1 | 27.4 | 28.2 | 47.2 | 36.5 | 26.9 | 65.1 | 30.7 | 28.9 |
| LOS by Move: | E | D | D | E | C | C | D | D | C | E | C | C |
| HCM2kAvgQ: | 6 | 5 | 15 | 11 | 3 | 3 | 5 | 19 | 5 | 7 | 9 | 5 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2250 | 360 | 0 | 2063 | 0 | 0 | 0 | 0 | 260 | 0 | 308 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 1.00 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6020 | 1265 | | 6408 | | | | | 3433 | | 2739 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6020 | 1265 | | 6408 | | | | | 3433 | | 2739 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 2368 | 379 | 0 | 2172 | 0 | 0 | 0 | 0 | 274 | 0 | 324 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Lane Group Flow (vph) | 0 | 2403 | 341 | 0 | 2172 | 0 | 0 | 0 | 0 | 274 | 0 | 318 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 41.0 | 75.0 | | 41.0 | | | | | 22.0 | | 22.0 |
| Effective Green, g (s) | | 41.0 | 75.0 | | 41.0 | | | | | 22.0 | | 22.0 |
| Actuated g/C Ratio | | 0.55 | 1.00 | | 0.55 | | | | | 0.29 | | 0.29 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 3291 | 1265 | | 3503 | | | | | 1007 | | 803 |
| v/s Ratio Prot | | c0.40 | | | 0.34 | | | | | | | |
| v/s Ratio Perm | | | 0.27 | | | | | | | 0.08 | | c0.12 |
| v/c Ratio | | 0.73 | 0.27 | | 0.62 | | | | | 0.27 | | 0.40 |
| Uniform Delay, d1 | | 12.8 | 0.0 | | 11.7 | | | | | 20.4 | | 21.2 |
| Progression Factor | | 1.00 | 1.00 | | 0.63 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 1.5 | 0.5 | | 0.7 | | | | | 0.7 | | 1.5 |
| Delay (s) | | 14.3 | 0.5 | | 8.0 | | | | | 21.0 | | 22.7 |
| Level of Service | | B | A | | A | | | | | C | | C |
| Approach Delay (s) | | 12.6 | | | 8.0 | | | 0.0 | | | 21.9 | |
| Approach LOS | | B | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.8 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.61 | | |
| Actuated Cycle Length (s) | 75.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 58.2% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1486 | 277 | 653 | 1457 | 0 | 0 | 0 | 0 | 297 | 0 | 238 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1553 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1770 | 1553 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1564 | 292 | 687 | 1534 | 0 | 0 | 0 | 0 | 313 | 0 | 251 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| Lane Group Flow (vph) | 0 | 1564 | 292 | 687 | 1534 | 0 | 0 | 0 | 0 | 0 | 313 | 214 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 46.3 | 115.0 | 28.5 | 79.3 | | | | | | 23.7 | 23.7 |
| Effective Green, g (s) | | 46.3 | 115.0 | 28.5 | 79.3 | | | | | | 23.7 | 23.7 |
| Actuated g/C Ratio | | 0.40 | 1.00 | 0.25 | 0.69 | | | | | | 0.21 | 0.21 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 2047 | 1562 | 851 | 3506 | | | | | | 365 | 320 |
| v/s Ratio Prot | | c0.31 | | c0.20 | 0.30 | | | | | | c0.18 | |
| v/s Ratio Perm | | | 0.19 | | | | | | | | | 0.14 |
| v/c Ratio | | 0.76 | 0.19 | 0.81 | 0.44 | | | | | | 0.86 | 0.67 |
| Uniform Delay, d1 | | 29.6 | 0.0 | 40.7 | 7.9 | | | | | | 44.0 | 42.1 |
| Progression Factor | | 0.82 | 1.00 | 0.54 | 0.37 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.7 | 0.2 | 3.2 | 0.2 | | | | | | 17.1 | 4.3 |
| Delay (s) | | 26.0 | 0.2 | 25.1 | 3.1 | | | | | | 61.1 | 46.3 |
| Level of Service | | C | A | C | A | | | | | | E | D |
| Approach Delay (s) | | 21.9 | | | 9.9 | | | 0.0 | | | 54.5 | |
| Approach LOS | | C | | | A | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.2 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.80 | | |
| Actuated Cycle Length (s) | 115.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 77.5% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.754
Loss Time (sec): 16 | Average Delay (sec/veh): 92.2
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 1 | 0 2 | | 2 0 1 | 0 1 | | 2 0 3 | 0 1 | | 2 0 3 | 0 1 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.33 | 0.19 | 0.24 | 0.27 | 0.16 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.33 | 0.52 | 0.08 | 0.33 | 0.33 | 0.11 | 0.27 | 0.35 | 0.19 | 0.35 | 0.35 |
| Volume/Cap: | 0.69 | 0.08 | 0.37 | 0.32 | 0.09 | 0.08 | 0.26 | 1.24 | 0.56 | 1.24 | 0.76 | 0.46 |
| Delay/Veh: | 60.1 | 28.1 | 17.4 | 52.5 | 28.2 | 28.2 | 49.4 | 158 | 32.7 | 168.4 | 36.6 | 30.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 60.1 | 28.1 | 17.4 | 52.5 | 28.2 | 28.2 | 49.4 | 158 | 32.7 | 168.4 | 36.6 | 30.9 |
| LOS by Move: | E | C | B | D | C | C | D | F | C | F | D | C |
| HCM2kAvgQ: | 5 | 1 | 7 | 2 | 1 | 1 | 2 | 40 | 10 | 28 | 18 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.684 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 45.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 159 | 222 | 44 | 454 | 186 | 61 | 62 | 941 | 401 | 433 | 1052 | 267 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 159 | 222 | 44 | 454 | 186 | 61 | 62 | 941 | 401 | 433 | 1052 | 267 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 167 | 234 | 46 | 478 | 196 | 64 | 65 | 991 | 422 | 456 | 1107 | 281 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 167 | 234 | 46 | 478 | 196 | 64 | 65 | 991 | 422 | 456 | 1107 | 281 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 167 | 234 | 46 | 478 | 196 | 64 | 65 | 991 | 422 | 456 | 1107 | 281 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.06 | 0.03 | 0.14 | 0.05 | 0.04 | 0.02 | 0.19 | 0.26 | 0.13 | 0.21 | 0.17 |
| Crit Moves: | | **** | | **** | | | | | **** | **** | | |
| Green/Cycle: | 0.10 | 0.28 | 0.28 | 0.15 | 0.33 | 0.33 | 0.12 | 0.29 | 0.29 | 0.15 | 0.32 | 0.32 |
| Volume/Cap: | 0.48 | 0.24 | 0.10 | 0.89 | 0.17 | 0.12 | 0.15 | 0.65 | 0.89 | 0.89 | 0.68 | 0.55 |
| Delay/Veh: | 52.1 | 33.8 | 32.6 | 66.9 | 28.7 | 28.3 | 47.2 | 38.1 | 59.4 | 68.0 | 36.9 | 35.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.1 | 33.8 | 32.6 | 66.9 | 28.7 | 28.3 | 47.2 | 38.1 | 59.4 | 68.0 | 36.9 | 35.3 |
| LOS by Move: | D | C | C | E | C | C | D | D | E | E | D | D |
| HCM2kAvgQ: | 4 | 3 | 1 | 12 | 3 | 2 | 1 | 12 | 18 | 12 | 14 | 9 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1594 | 635 | 0 | 1731 | 621 | 0 | 0 | 0 | 536 | 0 | 619 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.98 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7290 | 1488 | | 5588 | 1548 | | | | 1863 | 1842 | 1831 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7290 | 1488 | | 5588 | 1548 | | | | 1863 | 1842 | 1831 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1678 | 668 | 0 | 1822 | 654 | 0 | 0 | 0 | 564 | 0 | 652 |
| RTOR Reduction (vph) | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Lane Group Flow (vph) | 0 | 1908 | 421 | 0 | 1822 | 654 | 0 | 0 | 0 | 423 | 397 | 386 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 73.6 | 120.0 | | 73.6 | 120.0 | | | | 34.4 | 34.4 | 34.4 |
| Effective Green, g (s) | | 73.6 | 120.0 | | 73.6 | 120.0 | | | | 34.4 | 34.4 | 34.4 |
| Actuated g/C Ratio | | 0.61 | 1.00 | | 0.61 | 1.00 | | | | 0.29 | 0.29 | 0.29 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 4471 | 1488 | | 3427 | 1548 | | | | 534 | 528 | 525 |
| v/s Ratio Prot | | 0.26 | | | c0.33 | | | | | c0.23 | 0.22 | |
| v/s Ratio Perm | | | 0.28 | | | 0.42 | | | | | | 0.21 |
| v/c Ratio | | 0.43 | 0.28 | | 0.53 | 0.42 | | | | 0.79 | 0.75 | 0.74 |
| Uniform Delay, d1 | | 12.2 | 0.0 | | 13.3 | 0.0 | | | | 39.5 | 38.9 | 38.7 |
| Progression Factor | | 0.47 | 1.00 | | 0.87 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.1 | 0.2 | | 0.5 | 0.7 | | | | 7.4 | 5.3 | 4.6 |
| Delay (s) | | 5.9 | 0.2 | | 12.0 | 0.7 | | | | 46.9 | 44.2 | 43.3 |
| Level of Service | | A | A | | B | A | | | | D | D | D |
| Approach Delay (s) | | 4.8 | | | 9.0 | | | 0.0 | | | 44.8 | |
| Approach LOS | | A | | | A | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 14.6 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.61 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 69.5% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 878 | 625 | 1692 | 464 | 325 | 298 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.98 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2738 | 3776 | 2818 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2738 | 3776 | 2818 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 924 | 658 | 1781 | 488 | 342 | 314 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 128 | 0 | 38 |
| Lane Group Flow (vph) | 924 | 658 | 1781 | 360 | 342 | 276 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 73.8 | 100.0 | 73.8 | 73.8 | 14.2 | 14.2 |
| Effective Green, g (s) | 75.1 | 100.0 | 75.1 | 73.8 | 15.5 | 15.5 |
| Actuated g/C Ratio | 0.75 | 1.00 | 0.75 | 0.74 | 0.16 | 0.16 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 4972 | 1636 | 3947 | 2021 | 585 | 437 |
| v/s Ratio Prot | 0.14 | | c0.34 | | 0.09 | |
| v/s Ratio Perm | | 0.40 | | 0.13 | | c0.10 |
| v/c Ratio | 0.19 | 0.40 | 0.45 | 0.18 | 0.58 | 0.63 |
| Uniform Delay, d1 | 3.6 | 0.0 | 4.7 | 4.0 | 39.3 | 39.6 |
| Progression Factor | 1.00 | 1.00 | 0.38 | 0.08 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.1 | 0.7 | 0.4 | 0.2 | 1.0 | 2.2 |
| Delay (s) | 3.7 | 0.7 | 2.1 | 0.5 | 40.2 | 41.8 |
| Level of Service | A | A | A | A | D | D |
| Approach Delay (s) | 2.5 | | 1.8 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 7.7 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.48 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 9.4 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2323 | 0 | 0 | 1728 | 43 | 668 | 0 | 266 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6033 | 1282 | 3433 | | 2740 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6033 | 1282 | 3433 | | 2740 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 2445 | 0 | 0 | 1819 | 45 | 703 | 0 | 280 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2445 | 0 | 0 | 1824 | 40 | 703 | 0 | 278 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 39.0 | | | 39.0 | 75.0 | 24.0 | | 24.0 | | | |
| Effective Green, g (s) | | 39.0 | | | 39.0 | 75.0 | 24.0 | | 24.0 | | | |
| Actuated g/C Ratio | | 0.52 | | | 0.52 | 1.00 | 0.32 | | 0.32 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 3332 | | | 3137 | 1282 | 1099 | | 877 | | | |
| v/s Ratio Prot | | c0.38 | | | 0.30 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.03 | c0.20 | | 0.10 | | | |
| v/c Ratio | | 0.73 | | | 0.58 | 0.03 | 0.64 | | 0.32 | | | |
| Uniform Delay, d1 | | 14.0 | | | 12.4 | 0.0 | 21.8 | | 19.3 | | | |
| Progression Factor | | 0.35 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 1.1 | | | 0.8 | 0.0 | 2.9 | | 0.9 | | | |
| Delay (s) | | 6.0 | | | 13.2 | 0.0 | 24.7 | | 20.2 | | | |
| Level of Service | | A | | | B | A | C | | C | | | |
| Approach Delay (s) | | 6.0 | | | 12.9 | | | 23.4 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 11.6 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.70 | | |
| Actuated Cycle Length (s) | 75.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 62.7% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 264 | 1519 | 0 | 0 | 1838 | 186 | 272 | 2 | 431 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1775 | 1583 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 278 | 1599 | 0 | 0 | 1935 | 196 | 286 | 2 | 454 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 278 | 1599 | 0 | 0 | 1935 | 196 | 0 | 288 | 436 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 12.0 | 68.7 | | | 52.2 | 115.0 | | 34.3 | 34.3 | | | |
| Effective Green, g (s) | 11.5 | 69.2 | | | 52.7 | 115.0 | | 34.8 | 34.8 | | | |
| Actuated g/C Ratio | 0.10 | 0.60 | | | 0.46 | 1.00 | | 0.30 | 0.30 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 343 | 3060 | | | 2330 | 1583 | | 537 | 479 | | | |
| v/s Ratio Prot | c0.08 | 0.31 | | | c0.38 | | | 0.16 | | | | |
| v/s Ratio Perm | | | | | | 0.12 | | | c0.28 | | | |
| v/c Ratio | 0.81 | 0.52 | | | 0.83 | 0.12 | | 0.54 | 0.91 | | | |
| Uniform Delay, d1 | 50.7 | 13.3 | | | 27.2 | 0.0 | | 33.4 | 38.6 | | | |
| Progression Factor | 1.32 | 0.03 | | | 0.63 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 8.5 | 0.0 | | | 2.7 | 0.1 | | 1.0 | 21.0 | | | |
| Delay (s) | 75.5 | 0.5 | | | 20.0 | 0.1 | | 34.4 | 59.6 | | | |
| Level of Service | E | A | | | B | A | | C | E | | | |
| Approach Delay (s) | | 11.6 | | | 18.1 | | | 49.8 | | | 0.0 | |
| Approach LOS | | B | | | B | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 20.5 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.86 | | |
| Actuated Cycle Length (s) | 115.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 77.5% | ICU Level of Service | D |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1652 | 478 | 0 | 1826 | 404 | 526 | 0 | 371 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 1.00 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 1.00 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.96 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (prot) | | 4783 | 1343 | | 6408 | 1562 | 1681 | 1558 | 1481 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (perm) | | 4783 | 1343 | | 6408 | 1562 | 1681 | 1558 | 1481 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1739 | 503 | 0 | 1922 | 425 | 554 | 0 | 391 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1786 | 453 | 0 | 1922 | 425 | 327 | 315 | 291 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 55.5 | 120.0 | | 55.5 | 120.0 | 52.5 | 52.5 | 52.5 | | | |
| Effective Green, g (s) | | 55.5 | 120.0 | | 55.5 | 120.0 | 52.5 | 52.5 | 52.5 | | | |
| Actuated g/C Ratio | | 0.46 | 1.00 | | 0.46 | 1.00 | 0.44 | 0.44 | 0.44 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 2212 | 1343 | | 2964 | 1562 | 735 | 682 | 648 | | | |
| v/s Ratio Prot | | c0.37 | | | 0.30 | | 0.19 | c0.20 | | | | |
| v/s Ratio Perm | | | 0.34 | | | 0.27 | | | 0.20 | | | |
| v/c Ratio | | 0.81 | 0.34 | | 0.65 | 0.27 | 0.44 | 0.46 | 0.45 | | | |
| Uniform Delay, d1 | | 27.7 | 0.0 | | 24.8 | 0.0 | 23.6 | 23.8 | 23.6 | | | |
| Progression Factor | | 0.95 | 1.00 | | 0.18 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 1.9 | 0.6 | | 0.1 | 0.1 | 1.9 | 2.2 | 2.2 | | | |
| Delay (s) | | 28.2 | 0.6 | | 4.5 | 0.1 | 25.5 | 26.0 | 25.9 | | | |
| Level of Service | | C | A | | A | A | C | C | C | | | |
| Approach Delay (s) | | 22.6 | | | 3.7 | | | 25.8 | | | 0.0 | |
| Approach LOS | | C | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.2 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.64 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 64.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 187 | 1016 | 0 | 0 | 1530 | 354 | 0 | 2 | 467 | 0 | 0 | 626 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | 6.0 | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | 1.00 | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 0.96 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7683 | 1368 | | 2027 | 3378 | | | 2851 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 1.00 | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7683 | 1368 | | 2027 | 3378 | | | 2851 |
| Peak-hour factor, PHF | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| Adj. Flow (vph) | 193 | 1047 | 0 | 0 | 1577 | 365 | 0 | 2 | 481 | 0 | 0 | 645 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 2 | 138 | 0 | 0 | 444 | 0 | 0 | 612 |
| Lane Group Flow (vph) | 193 | 1047 | 0 | 0 | 1612 | 190 | 0 | 2 | 37 | 0 | 0 | 33 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | NA | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 9.6 | 72.0 | | | 57.9 | 57.9 | | 6.4 | 6.4 | | | 5.1 |
| Effective Green, g (s) | 9.6 | 73.3 | | | 59.2 | 57.9 | | 6.4 | 7.7 | | | 5.1 |
| Actuated g/C Ratio | 0.10 | 0.73 | | | 0.59 | 0.58 | | 0.06 | 0.08 | | | 0.05 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | 2.0 | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 352 | 5651 | | | 4548 | 792 | | 130 | 260 | | | 145 |
| v/s Ratio Prot | c0.05 | 0.14 | | | c0.21 | | | 0.00 | | | | |
| v/s Ratio Perm | | | | | | 0.14 | | | c0.01 | | | c0.01 |
| v/c Ratio | 0.55 | 0.19 | | | 0.35 | 0.24 | | 0.02 | 0.14 | | | 0.23 |
| Uniform Delay, d1 | 43.1 | 4.1 | | | 10.5 | 10.3 | | 43.8 | 43.1 | | | 45.6 |
| Progression Factor | 0.94 | 0.65 | | | 0.24 | 0.01 | | 1.00 | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 0.9 | 0.1 | | | 0.2 | 0.5 | | 0.0 | 0.1 | | | 0.3 |
| Delay (s) | 41.7 | 2.7 | | | 2.7 | 0.6 | | 43.9 | 43.2 | | | 45.8 |
| Level of Service | D | A | | | A | A | | D | D | | | D |
| Approach Delay (s) | | 8.8 | | | 2.3 | | | 43.2 | | | 45.8 | |
| Approach LOS | | A | | | A | | | D | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.3 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.35 | | |
| Actuated Cycle Length (s) | 100.0 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 54.2% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.723 |
| Loss Time (sec): | 12 | Average Delay (sec/veh): | 31.0 |
| Optimal Cycle: | OPTIMIZED | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Permitted | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 21 | 21 | 10 | 21 | 0 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 0 | 1 | 0 0 | 0 0 | 0 | 0 0 | 3 0 | 1 | 1 0 | 3 0 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 48 | 0 | 70 | 0 | 0 | 0 | 0 | 2489 | 100 | 171 | 1723 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 48 | 0 | 70 | 0 | 0 | 0 | 0 | 2489 | 100 | 171 | 1723 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 51 | 0 | 74 | 0 | 0 | 0 | 0 | 2620 | 105 | 180 | 1814 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 51 | 0 | 74 | 0 | 0 | 0 | 0 | 2620 | 105 | 180 | 1814 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 51 | 0 | 74 | 0 | 0 | 0 | 0 | 2620 | 105 | 180 | 1814 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.85 | 0.95 | 0.91 | 1.00 |
| Lanes: | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 1.00 | 1.00 | 3.00 | 0.00 |
| Final Sat.: | 1805 | 0 | 1615 | 0 | 0 | 0 | 0 | 5187 | 1615 | 1805 | 5187 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.07 | 0.10 | 0.35 | 0.00 |
| Crit Moves: | | | **** | | | | | **** | | **** | | |
| Green/Cycle: | 0.28 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.52 | 0.10 | 0.63 | 0.00 |
| Volume/Cap: | 0.10 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 0.12 | 0.97 | 0.56 | 0.00 |
| Delay/Veh: | 32.5 | 0.0 | 33.2 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 14.7 | 110.1 | 13.2 | 0.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 32.5 | 0.0 | 33.2 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 14.7 | 110.1 | 13.2 | 0.0 |
| LOS by Move: | C | A | C | A | A | A | A | D | B | F | B | A |
| HCM2kAvgQ: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 40 | 2 | 10 | 14 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.424 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 34.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 221 | 12 | 20 | 70 | 9 | 303 | 204 | 1568 | 178 | 15 | 1500 | 44 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 221 | 12 | 20 | 70 | 9 | 303 | 204 | 1568 | 178 | 15 | 1500 | 44 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 233 | 13 | 21 | 74 | 9 | 319 | 215 | 1651 | 187 | 16 | 1579 | 46 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 233 | 13 | 21 | 74 | 9 | 319 | 215 | 1651 | 187 | 16 | 1579 | 46 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 233 | 13 | 21 | 74 | 9 | 319 | 215 | 1651 | 187 | 16 | 1579 | 46 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.91 | 0.91 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.38 | 0.62 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 646 | 1076 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.13 | 0.02 | 0.02 | 0.02 | 0.00 | 0.20 | 0.06 | 0.32 | 0.12 | 0.01 | 0.30 | 0.03 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.28 | 0.28 | 0.08 | 0.18 | 0.29 | 0.11 | 0.43 | 0.43 | 0.08 | 0.40 | 0.40 |
| Volume/Cap: | 0.74 | 0.07 | 0.07 | 0.25 | 0.03 | 0.67 | 0.56 | 0.75 | 0.27 | 0.10 | 0.76 | 0.07 |
| Delay/Veh: | 56.0 | 32.2 | 32.2 | 52.0 | 40.2 | 41.1 | 52.6 | 30.6 | 22.7 | 51.2 | 32.9 | 22.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 56.0 | 32.2 | 32.2 | 52.0 | 40.2 | 41.1 | 52.6 | 30.6 | 22.7 | 51.2 | 32.9 | 22.4 |
| LOS by Move: | E | C | C | D | D | D | D | C | C | D | C | C |
| HCM2kAvgQ: | 10 | 1 | 1 | 2 | 0 | 11 | 5 | 20 | 4 | 1 | 20 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 120 Critical Vol./Cap.(X): 0.682
Loss Time (sec): 16 Average Delay (sec/veh): 34.5
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 404 | 40 | 204 | 165 | 70 | 160 | 77 | 1235 | 711 | 222 | 1666 | 107 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 404 | 40 | 204 | 165 | 70 | 160 | 77 | 1235 | 711 | 222 | 1666 | 107 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 425 | 42 | 215 | 174 | 74 | 168 | 81 | 1300 | 748 | 234 | 1754 | 113 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 425 | 42 | 215 | 174 | 74 | 168 | 81 | 1300 | 748 | 234 | 1754 | 113 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 425 | 42 | 215 | 174 | 74 | 168 | 81 | 1300 | 748 | 234 | 1754 | 113 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.01 | 0.13 | 0.05 | 0.02 | 0.10 | 0.02 | 0.25 | 0.46 | 0.07 | 0.34 | 0.07 |
| Crit Moves: | | | **** | **** | | | | | **** | **** | | |
| Green/Cycle: | 0.19 | 0.28 | 0.28 | 0.08 | 0.17 | 0.17 | 0.10 | 0.43 | 0.62 | 0.08 | 0.41 | 0.41 |
| Volume/Cap: | 0.63 | 0.04 | 0.48 | 0.60 | 0.12 | 0.63 | 0.23 | 0.59 | 0.75 | 0.80 | 0.83 | 0.17 |
| Delay/Veh: | 46.4 | 31.9 | 37.2 | 56.4 | 42.7 | 51.4 | 50.0 | 26.9 | 19.5 | 68.6 | 34.7 | 22.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 46.4 | 31.9 | 37.2 | 56.4 | 42.7 | 51.4 | 50.0 | 26.9 | 19.5 | 68.6 | 34.7 | 22.7 |
| LOS by Move: | D | C | D | E | D | D | D | C | B | E | C | C |
| HCM2kAvgQ: | 8 | 1 | 7 | 4 | 1 | 7 | 2 | 14 | 21 | 6 | 23 | 3 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 105 | Critical Vol./Cap.(X): 0.733
Loss Time (sec): 16 | Average Delay (sec/veh): 38.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 371 | 111 | 83 | 193 | 316 | 351 | 150 | 1029 | 304 | 138 | 1162 | 66 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 371 | 111 | 83 | 193 | 316 | 351 | 150 | 1029 | 304 | 138 | 1162 | 66 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 391 | 117 | 87 | 203 | 333 | 369 | 158 | 1083 | 320 | 145 | 1223 | 69 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 391 | 117 | 87 | 203 | 333 | 369 | 158 | 1083 | 320 | 145 | 1223 | 69 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 391 | 117 | 87 | 203 | 333 | 369 | 158 | 1083 | 320 | 145 | 1223 | 69 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.06 | 0.05 | 0.06 | 0.09 | 0.23 | 0.05 | 0.21 | 0.20 | 0.08 | 0.24 | 0.04 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.14 | 0.35 | 0.35 | 0.11 | 0.31 | 0.31 | 0.10 | 0.29 | 0.29 | 0.10 | 0.30 | 0.30 |
| Volume/Cap: | 0.79 | 0.18 | 0.15 | 0.55 | 0.29 | 0.73 | 0.47 | 0.72 | 0.68 | 0.78 | 0.79 | 0.14 |
| Delay/Veh: | 52.2 | 23.8 | 23.6 | 46.3 | 27.3 | 37.3 | 46.1 | 35.3 | 37.3 | 64.5 | 36.8 | 27.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 52.2 | 23.8 | 23.6 | 46.3 | 27.3 | 37.3 | 46.1 | 35.3 | 37.3 | 64.5 | 36.8 | 27.2 |
| LOS by Move: | D | C | C | D | C | D | D | D | D | E | D | C |
| HCM2kAvgQ: | 8 | 3 | 2 | 4 | 4 | 12 | 3 | 13 | 10 | 7 | 15 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.050
Loss Time (sec): 16 | Average Delay (sec/veh): 61.8
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | | Ovl | | | | Include | | | | Ovl | | | | Include | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 33 | 33 | | 10 | 33 | 33 | | 10 | 33 | 33 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 2 | 0 | 3 | 0 | 1 | 2 | 0 | 3 | 0 | 1 | 2 | 0 | 4 | 0 | 1 | 2 | 0 | 4 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 572 | 535 | 868 | | 370 | 691 | 172 | | 193 | 1533 | 397 | | 502 | 1706 | 171 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 572 | 535 | 868 | | 370 | 691 | 172 | | 193 | 1533 | 397 | | 502 | 1706 | 171 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 602 | 563 | 914 | | 389 | 727 | 181 | | 203 | 1614 | 418 | | 528 | 1796 | 180 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 602 | 563 | 914 | | 389 | 727 | 181 | | 203 | 1614 | 418 | | 528 | 1796 | 180 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 602 | 563 | 914 | | 389 | 727 | 181 | | 203 | 1614 | 418 | | 528 | 1796 | 180 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 4.00 | 1.00 | | 2.00 | 4.00 | 1.00 | |
| Final Sat.: | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 6916 | 1615 | | 3502 | 6916 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.11 | 0.57 | | 0.11 | 0.14 | 0.11 | | 0.06 | 0.23 | 0.26 | | 0.15 | 0.26 | 0.11 | |
| Crit Moves: | | | **** | | **** | | | | | **** | | | **** | | | |
| Green/Cycle: | 0.18 | 0.36 | 0.49 | | 0.10 | 0.28 | 0.28 | | 0.09 | 0.28 | 0.45 | | 0.13 | 0.31 | 0.31 | |
| Volume/Cap: | 0.97 | 0.30 | 1.14 | | 1.14 | 0.50 | 0.40 | | 0.61 | 0.85 | 0.57 | | 1.14 | 0.83 | 0.36 | |
| Delay/Veh: | 78.2 | 27.4 | 109.8 | | 148.0 | 36.2 | 35.3 | | 55.6 | 44.9 | 25.4 | | 139.8 | 41.2 | 32.4 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 78.2 | 27.4 | 109.8 | | 148.0 | 36.2 | 35.3 | | 55.6 | 44.9 | 25.4 | | 139.8 | 41.2 | 32.4 | |
| LOS by Move: | E | C | F | | F | D | D | | E | D | C | | F | D | C | |
| HCM2kAvgQ: | 16 | 5 | 51 | | 14 | 8 | 6 | | 5 | 18 | 12 | | 17 | 19 | 5 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 1.259
Loss Time (sec): 16 | Average Delay (sec/veh): 93.1
Optimal Cycle: OPTIMIZED | Level Of Service: F

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 175 | 658 | 39 | 596 | 670 | 431 | 622 | 674 | 153 | 17 | 784 | 1150 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 175 | 658 | 39 | 596 | 670 | 431 | 622 | 674 | 153 | 17 | 784 | 1150 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.13 | 0.03 | 0.18 | 0.14 | 0.28 | 0.19 | 0.14 | 0.10 | 0.01 | 0.16 | 0.75 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.08 | 0.16 | 0.16 | 0.21 | 0.29 | 0.29 | 0.12 | 0.38 | 0.38 | 0.11 | 0.37 | 0.59 |
| Volume/Cap: | 0.63 | 0.83 | 0.16 | 0.83 | 0.47 | 0.96 | 1.54 | 0.36 | 0.26 | 0.04 | 0.43 | 1.28 |
| Delay/Veh: | 57.6 | 56.1 | 43.7 | 53.0 | 35.1 | 73.9 | 307.4 | 27.1 | 26.1 | 47.4 | 28.4 | 159.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.6 | 56.1 | 43.7 | 53.0 | 35.1 | 73.9 | 307.4 | 27.1 | 26.1 | 47.4 | 28.4 | 159.5 |
| LOS by Move: | E | E | D | D | D | E | F | C | C | D | C | F |
| HCM2kAvgQ: | 4 | 11 | 1 | 14 | 8 | 21 | 28 | 7 | 4 | 0 | 8 | 78 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.679
Loss Time (sec): 16 | Average Delay (sec/veh): 39.4
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 158 | 338 | 157 | 107 | 503 | 743 | 761 | 510 | 215 | 312 | 816 | 171 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 158 | 338 | 157 | 107 | 503 | 743 | 761 | 510 | 215 | 312 | 816 | 171 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 166 | 356 | 165 | 113 | 529 | 782 | 801 | 537 | 226 | 328 | 859 | 180 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 166 | 356 | 165 | 113 | 529 | 782 | 801 | 537 | 226 | 328 | 859 | 180 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 166 | 356 | 165 | 113 | 529 | 782 | 801 | 537 | 226 | 328 | 859 | 180 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.10 | 0.10 | 0.03 | 0.15 | 0.48 | 0.23 | 0.10 | 0.14 | 0.09 | 0.17 | 0.11 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.42 | 0.08 | 0.28 | 0.55 | 0.28 | 0.36 | 0.36 | 0.15 | 0.23 | 0.23 |
| Volume/Cap: | 0.57 | 0.36 | 0.24 | 0.39 | 0.53 | 0.88 | 0.83 | 0.29 | 0.39 | 0.64 | 0.71 | 0.48 |
| Delay/Veh: | 55.6 | 35.2 | 22.6 | 52.9 | 37.5 | 33.7 | 47.1 | 27.3 | 28.8 | 51.1 | 44.2 | 40.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 55.6 | 35.2 | 22.6 | 52.9 | 37.5 | 33.7 | 47.1 | 27.3 | 28.8 | 51.1 | 44.2 | 40.6 |
| LOS by Move: | E | D | C | D | D | C | D | C | C | D | D | D |
| HCM2kAvgQ: | 4 | 6 | 4 | 2 | 9 | 28 | 17 | 5 | 6 | 7 | 12 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.539
Loss Time (sec): 16 Average Delay (sec/veh): 29.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 133 | 306 | 248 | 79 | 540 | 354 | 152 | 215 | 61 | 303 | 436 | 84 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 133 | 306 | 248 | 79 | 540 | 354 | 152 | 215 | 61 | 303 | 436 | 84 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 140 | 322 | 261 | 83 | 568 | 373 | 160 | 226 | 64 | 319 | 459 | 88 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 140 | 322 | 261 | 83 | 568 | 373 | 160 | 226 | 64 | 319 | 459 | 88 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 140 | 322 | 261 | 83 | 568 | 373 | 160 | 226 | 64 | 319 | 459 | 88 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.09 | 0.16 | 0.02 | 0.16 | 0.23 | 0.05 | 0.06 | 0.04 | 0.09 | 0.13 | 0.05 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.29 | 0.29 | 0.12 | 0.30 | 0.30 | 0.11 | 0.21 | 0.21 | 0.21 | 0.30 | 0.30 |
| Volume/Cap: | 0.36 | 0.31 | 0.56 | 0.20 | 0.52 | 0.77 | 0.41 | 0.30 | 0.19 | 0.44 | 0.42 | 0.18 |
| Delay/Veh: | 37.6 | 25.1 | 28.5 | 35.8 | 26.6 | 36.0 | 38.0 | 30.5 | 29.9 | 31.7 | 25.5 | 23.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 37.6 | 25.1 | 28.5 | 35.8 | 26.6 | 36.0 | 38.0 | 30.5 | 29.9 | 31.7 | 25.5 | 23.5 |
| LOS by Move: | D | C | C | D | C | D | D | C | C | C | C | C |
| HCM2kAvgQ: | 2 | 4 | 7 | 1 | 7 | 11 | 3 | 3 | 2 | 4 | 6 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 90 | Critical Vol./Cap.(X): | 0.568 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 29.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 326 | 424 | 117 | 19 | 491 | 282 | 40 | 110 | 250 | 74 | 249 | 8 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 326 | 424 | 117 | 19 | 491 | 282 | 40 | 110 | 250 | 74 | 249 | 8 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 343 | 446 | 123 | 20 | 517 | 297 | 42 | 116 | 263 | 78 | 262 | 8 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 343 | 446 | 123 | 20 | 517 | 297 | 42 | 116 | 263 | 78 | 262 | 8 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 343 | 446 | 123 | 20 | 517 | 297 | 42 | 116 | 263 | 78 | 262 | 8 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.12 | 0.08 | 0.01 | 0.14 | 0.18 | 0.01 | 0.03 | 0.16 | 0.02 | 0.07 | 0.01 |
| Crit Moves: | **** | | | | | **** | | | **** | **** | | |
| Green/Cycle: | 0.14 | 0.29 | 0.29 | 0.12 | 0.27 | 0.27 | 0.11 | 0.30 | 0.30 | 0.11 | 0.30 | 0.30 |
| Volume/Cap: | 0.69 | 0.43 | 0.26 | 0.05 | 0.53 | 0.69 | 0.11 | 0.11 | 0.54 | 0.20 | 0.24 | 0.02 |
| Delay/Veh: | 40.6 | 26.2 | 24.8 | 35.0 | 28.7 | 34.1 | 36.1 | 22.8 | 27.6 | 36.6 | 23.9 | 22.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 40.6 | 26.2 | 24.8 | 35.0 | 28.7 | 34.1 | 36.1 | 22.8 | 27.6 | 36.6 | 23.9 | 22.2 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 6 | 5 | 3 | 0 | 7 | 9 | 1 | 1 | 7 | 1 | 3 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.553
Loss Time (sec): 16 | Average Delay (sec/veh): 35.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 339 | 413 | 481 | 278 | 372 | 162 | 104 | 751 | 88 | 290 | 859 | 343 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 339 | 413 | 481 | 278 | 372 | 162 | 104 | 751 | 88 | 290 | 859 | 343 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 356 | 434 | 505 | 292 | 391 | 170 | 109 | 789 | 92 | 305 | 902 | 360 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 356 | 434 | 505 | 292 | 391 | 170 | 109 | 789 | 92 | 305 | 902 | 360 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 356 | 434 | 505 | 292 | 391 | 170 | 109 | 789 | 92 | 305 | 902 | 360 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.12 | 0.31 | 0.08 | 0.11 | 0.11 | 0.03 | 0.15 | 0.06 | 0.09 | 0.17 | 0.22 |
| Crit Moves: | **** | | | | **** | | **** | | | | | **** |
| Green/Cycle: | 0.13 | 0.32 | 0.42 | 0.14 | 0.33 | 0.33 | 0.10 | 0.28 | 0.28 | 0.10 | 0.28 | 0.28 |
| Volume/Cap: | 0.79 | 0.38 | 0.74 | 0.59 | 0.33 | 0.32 | 0.31 | 0.55 | 0.21 | 0.84 | 0.62 | 0.79 |
| Delay/Veh: | 51.6 | 26.7 | 28.8 | 42.2 | 25.3 | 25.4 | 42.3 | 31.1 | 27.8 | 60.4 | 32.0 | 42.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 51.6 | 26.7 | 28.8 | 42.2 | 25.3 | 25.4 | 42.3 | 31.1 | 27.8 | 60.4 | 32.0 | 42.4 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | E | C | D |
| HCM2kAvgQ: | 8 | 6 | 14 | 5 | 5 | 4 | 2 | 8 | 2 | 7 | 10 | 12 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 100 | Critical Vol./Cap.(X): 0.318
Loss Time (sec): 12 | Average Delay (sec/veh): 20.6
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 0 | 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 37 | 0 | 214 | 168 | 578 | 0 | 0 | 1027 | 22 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 37 | 0 | 214 | 168 | 578 | 0 | 0 | 1027 | 22 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1081 | 23 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1081 | 23 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 39 | 0 | 225 | 177 | 608 | 0 | 0 | 1081 | 23 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.87 | 1.00 | 0.87 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 1.85 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1888 | 0 | 3048 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.05 | 0.12 | 0.00 | 0.00 | 0.21 | 0.01 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.35 | 0.10 | 0.53 | 0.00 | 0.00 | 0.43 | 0.43 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.21 | 0.49 | 0.22 | 0.00 | 0.00 | 0.49 | 0.03 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 21.6 | 0.0 | 22.9 | 43.4 | 12.6 | 0.0 | 0.0 | 20.9 | 16.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 21.6 | 0.0 | 22.9 | 43.4 | 12.6 | 0.0 | 0.0 | 20.9 | 16.7 |
| LOS by Move: | A | A | A | C | A | C | D | B | A | A | C | B |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 4 | 0 | 0 | 9 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.681
Loss Time (sec): 16 | Average Delay (sec/veh): 46.7
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Ovl | | | | Ovl | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 33 | 33 | | 10 | 24 | 24 | | 10 | 24 | 24 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 4 | 0 | 1 | 2 | 0 4 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 438 | 130 | 101 | | 189 | 128 | 255 | | 548 | 1399 | 708 | | 152 | 1687 | 125 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 438 | 130 | 101 | | 189 | 128 | 255 | | 548 | 1399 | 708 | | 152 | 1687 | 125 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 461 | 137 | 106 | | 199 | 135 | 268 | | 577 | 1473 | 745 | | 160 | 1776 | 132 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 461 | 137 | 106 | | 199 | 135 | 268 | | 577 | 1473 | 745 | | 160 | 1776 | 132 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 461 | 137 | 106 | | 199 | 135 | 268 | | 577 | 1473 | 745 | | 160 | 1776 | 132 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 4.00 | 1.00 | | 2.00 | 4.00 | 1.00 | |
| Final Sat.: | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 6916 | 1615 | | 3502 | 6916 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.13 | 0.04 | 0.07 | | 0.06 | 0.04 | 0.17 | | 0.16 | 0.21 | 0.46 | | 0.05 | 0.26 | 0.08 | |
| Crit Moves: | **** | | | | | **** | | | **** | | | | | **** | | |
| Green/Cycle: | 0.14 | 0.21 | 0.21 | | 0.21 | 0.28 | 0.45 | | 0.18 | 0.36 | 0.50 | | 0.09 | 0.27 | 0.27 | |
| Volume/Cap: | 0.93 | 0.18 | 0.32 | | 0.27 | 0.14 | 0.37 | | 0.93 | 0.59 | 0.92 | | 0.50 | 0.93 | 0.30 | |
| Delay/Veh: | 76.2 | 39.2 | 40.8 | | 40.1 | 32.8 | 22.0 | | 70.4 | 31.6 | 43.6 | | 53.2 | 51.7 | 34.7 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 76.2 | 39.2 | 40.8 | | 40.1 | 32.8 | 22.0 | | 70.4 | 31.6 | 43.6 | | 53.2 | 51.7 | 34.7 | |
| LOS by Move: | E | D | D | | D | C | C | | E | C | D | | D | D | C | |
| HCM2kAvgQ: | 12 | 2 | 3 | | 3 | 2 | 6 | | 15 | 12 | 30 | | 4 | 22 | 4 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.408 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 31.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 29 | 1 | 5 | 12 | 5 | 27 | 12 | 1603 | 40 | 6 | 1363 | 2 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 29 | 1 | 5 | 12 | 5 | 27 | 12 | 1603 | 40 | 6 | 1363 | 2 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 31 | 1 | 5 | 13 | 5 | 28 | 13 | 1687 | 42 | 6 | 1435 | 2 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 31 | 1 | 5 | 13 | 5 | 28 | 13 | 1687 | 42 | 6 | 1435 | 2 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 31 | 1 | 5 | 13 | 5 | 28 | 13 | 1687 | 42 | 6 | 1435 | 2 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.33 | 0.03 | 0.00 | 0.28 | 0.00 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.12 | 0.43 | 0.43 | 0.08 | 0.39 | 0.39 |
| Volume/Cap: | 0.10 | 0.00 | 0.01 | 0.04 | 0.01 | 0.06 | 0.03 | 0.77 | 0.06 | 0.02 | 0.71 | 0.00 |
| Delay/Veh: | 51.0 | 31.5 | 31.7 | 50.7 | 31.6 | 32.2 | 46.9 | 31.1 | 20.4 | 50.5 | 32.0 | 22.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 51.0 | 31.5 | 31.7 | 50.7 | 31.6 | 32.2 | 46.9 | 31.1 | 20.4 | 50.5 | 32.0 | 22.3 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 20 | 1 | 0 | 17 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 Goetz Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.668 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 39.4 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 39 | 39 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 9 | 2 | 17 | 388 | 3 | 146 | 329 | 1201 | 9 | 34 | 985 | 761 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 9 | 2 | 17 | 388 | 3 | 146 | 329 | 1201 | 9 | 34 | 985 | 761 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 9 | 2 | 18 | 408 | 3 | 154 | 346 | 1264 | 9 | 36 | 1037 | 801 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 9 | 2 | 18 | 408 | 3 | 154 | 346 | 1264 | 9 | 36 | 1037 | 801 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 9 | 2 | 18 | 408 | 3 | 154 | 346 | 1264 | 9 | 36 | 1037 | 801 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.87 | 0.87 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.11 | 0.89 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 173 | 1472 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.10 | 0.10 | 0.24 | 0.01 | 0.02 | 0.20 | 0.50 |
| Crit Moves: | **** | | | | | **** | **** | | | | | **** |
| Green/Cycle: | 0.08 | 0.17 | 0.17 | 0.24 | 0.33 | 0.33 | 0.09 | 0.34 | 0.34 | 0.12 | 0.36 | 0.60 |
| Volume/Cap: | 0.06 | 0.07 | 0.07 | 0.49 | 0.01 | 0.29 | 1.04 | 0.71 | 0.02 | 0.17 | 0.55 | 0.82 |
| Delay/Veh: | 50.9 | 41.9 | 41.9 | 39.9 | 27.4 | 30.5 | 115.5 | 35.8 | 26.2 | 48.1 | 30.7 | 24.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.9 | 41.9 | 41.9 | 39.9 | 27.4 | 30.5 | 115.5 | 35.8 | 26.2 | 48.1 | 30.7 | 24.7 |
| LOS by Move: | D | D | D | D | C | C | F | D | C | D | C | C |
| HCM2kAvgQ: | 0 | 1 | 1 | 7 | 0 | 4 | 11 | 16 | 0 | 1 | 11 | 25 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 Goetz Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.537 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 42.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 34 | 34 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 19 | 130 | 687 | 313 | 208 | 92 | 89 | 637 | 49 | 898 | 1187 | 503 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 19 | 130 | 687 | 313 | 208 | 92 | 89 | 637 | 49 | 898 | 1187 | 503 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 20 | 137 | 723 | 329 | 219 | 97 | 94 | 671 | 52 | 945 | 1249 | 529 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 20 | 137 | 723 | 329 | 219 | 97 | 94 | 671 | 52 | 945 | 1249 | 529 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 20 | 137 | 723 | 329 | 219 | 97 | 94 | 671 | 52 | 945 | 1249 | 529 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.04 | 0.45 | 0.09 | 0.06 | 0.06 | 0.03 | 0.13 | 0.03 | 0.27 | 0.24 | 0.33 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.24 | 0.51 | 0.13 | 0.28 | 0.38 | 0.10 | 0.23 | 0.23 | 0.28 | 0.40 | 0.40 |
| Volume/Cap: | 0.07 | 0.16 | 0.87 | 0.74 | 0.21 | 0.16 | 0.26 | 0.57 | 0.14 | 0.98 | 0.60 | 0.82 |
| Delay/Veh: | 50.8 | 36.1 | 35.4 | 57.1 | 32.9 | 24.3 | 50.2 | 42.1 | 37.4 | 67.7 | 29.1 | 40.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.8 | 36.1 | 35.4 | 57.1 | 32.9 | 24.3 | 50.2 | 42.1 | 37.4 | 67.7 | 29.1 | 40.7 |
| LOS by Move: | D | D | D | E | C | C | D | D | D | E | C | D |
| HCM2kAvgQ: | 0 | 2 | 26 | 8 | 3 | 2 | 2 | 9 | 2 | 23 | 14 | 19 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 Murrieta Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.716 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 49.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 56 | 217 | 201 | 80 | 78 | 3 | 23 | 1803 | 75 | 265 | 2225 | 181 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 56 | 217 | 201 | 80 | 78 | 3 | 23 | 1803 | 75 | 265 | 2225 | 181 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 57 | 223 | 206 | 82 | 80 | 3 | 24 | 1851 | 77 | 272 | 2284 | 186 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 57 | 223 | 206 | 82 | 80 | 3 | 24 | 1851 | 77 | 272 | 2284 | 186 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 57 | 223 | 206 | 82 | 80 | 3 | 24 | 1851 | 77 | 272 | 2284 | 186 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.03 | 0.06 | 0.13 | 0.05 | 0.02 | 0.00 | 0.01 | 0.36 | 0.05 | 0.08 | 0.44 | 0.12 |
| Crit Moves: | | | **** | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.08 | 0.41 | 0.41 | 0.10 | 0.43 | 0.43 |
| Volume/Cap: | 0.38 | 0.22 | 0.46 | 0.55 | 0.08 | 0.01 | 0.08 | 0.87 | 0.12 | 0.81 | 1.04 | 0.27 |
| Delay/Veh: | 53.7 | 33.7 | 36.9 | 57.0 | 32.3 | 31.6 | 50.9 | 36.3 | 21.9 | 66.6 | 63.8 | 22.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.7 | 33.7 | 36.9 | 57.0 | 32.3 | 31.6 | 50.9 | 36.3 | 21.9 | 66.6 | 63.8 | 22.6 |
| LOS by Move: | D | C | D | E | C | C | D | D | C | E | E | C |
| HCM2kAvgQ: | 2 | 3 | 7 | 4 | 1 | 0 | 0 | 25 | 2 | 7 | 40 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 Murrieta Road / McCall Boulevard

Cycle (sec): 80 Critical Vol./Cap.(X): 0.465
Loss Time (sec): 16 Average Delay (sec/veh): 26.6
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 25 | 25 | 10 | 25 | 25 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 2 | 0 1 | | 1 0 2 | 0 1 | | 2 0 2 | 0 1 | | 2 0 2 | 0 1 | |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 2 | 214 | 244 | 132 | 182 | 54 | 44 | 254 | 13 | 233 | 302 | 165 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 2 | 214 | 244 | 132 | 182 | 54 | 44 | 254 | 13 | 233 | 302 | 165 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 2 | 222 | 253 | 137 | 189 | 56 | 46 | 263 | 13 | 242 | 313 | 171 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 2 | 222 | 253 | 137 | 189 | 56 | 46 | 263 | 13 | 242 | 313 | 171 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 2 | 222 | 253 | 137 | 189 | 56 | 46 | 263 | 13 | 242 | 313 | 171 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.06 | 0.16 | 0.08 | 0.05 | 0.03 | 0.01 | 0.07 | 0.01 | 0.07 | 0.09 | 0.11 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.30 | 0.30 | 0.12 | 0.30 | 0.30 | 0.12 | 0.26 | 0.26 | 0.12 | 0.26 | 0.26 |
| Volume/Cap: | 0.01 | 0.20 | 0.51 | 0.62 | 0.17 | 0.11 | 0.11 | 0.28 | 0.03 | 0.57 | 0.34 | 0.41 |
| Delay/Veh: | 31.7 | 21.2 | 24.4 | 39.6 | 21.0 | 20.6 | 32.1 | 24.6 | 22.9 | 35.7 | 25.1 | 26.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 31.7 | 21.2 | 24.4 | 39.6 | 21.0 | 20.6 | 32.1 | 24.6 | 22.9 | 35.7 | 25.1 | 26.1 |
| LOS by Move: | C | C | C | D | C | C | C | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 2 | 6 | 4 | 2 | 1 | 1 | 3 | 0 | 4 | 4 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Murrieta Road / Cherry Hills Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 90 | Critical Vol./Cap.(X): | 0.215 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 24.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 | 10 | 22 | 22 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 1 0 | 1 1 | 0 | 1 0 | 1 1 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 14 | 409 | 49 | 19 | 306 | 18 | 28 | 46 | 6 | 48 | 78 | 23 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 14 | 409 | 49 | 19 | 306 | 18 | 28 | 46 | 6 | 48 | 78 | 23 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 15 | 431 | 52 | 20 | 322 | 19 | 29 | 48 | 6 | 51 | 82 | 24 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 15 | 431 | 52 | 20 | 322 | 19 | 29 | 48 | 6 | 51 | 82 | 24 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 15 | 431 | 52 | 20 | 322 | 19 | 29 | 48 | 6 | 51 | 82 | 24 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.95 | 0.93 | 0.93 | 0.95 | 0.92 | 0.92 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | 1.77 | 0.23 | 1.00 | 1.54 | 0.46 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 1805 | 3139 | 409 | 1805 | 2693 | 794 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.12 | 0.03 | 0.01 | 0.09 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.15 | 0.36 | 0.36 | 0.11 | 0.32 | 0.32 | 0.11 | 0.24 | 0.24 | 0.11 | 0.24 | 0.24 |
| Volume/Cap: | 0.06 | 0.34 | 0.09 | 0.10 | 0.28 | 0.04 | 0.15 | 0.06 | 0.06 | 0.25 | 0.12 | 0.12 |
| Delay/Veh: | 33.2 | 21.4 | 19.4 | 36.2 | 22.9 | 21.0 | 36.5 | 26.1 | 26.1 | 37.2 | 26.6 | 26.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 33.2 | 21.4 | 19.4 | 36.2 | 22.9 | 21.0 | 36.5 | 26.1 | 26.1 | 37.2 | 26.6 | 26.6 |
| LOS by Move: | C | C | B | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 0 | 5 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Murrieta Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.759 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 50.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Ovl | | | | Include | | | | Ovl | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 34 | 34 | | 10 | 29 | 29 | | 10 | 29 | 29 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 2 | 0 2 | 0 | 1 | 2 | 0 2 | 0 | 1 | 2 | 0 3 | 0 | 1 | 2 | 0 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 144 | 233 | 85 | | 752 | 179 | 496 | | 655 | 1023 | 43 | | 78 | 1450 | 951 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 144 | 233 | 85 | | 752 | 179 | 496 | | 655 | 1023 | 43 | | 78 | 1450 | 951 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.99 | 0.99 | 0.99 | | 0.99 | 0.99 | 0.99 | | 0.99 | 0.99 | 0.99 | | 0.99 | 0.99 | 0.99 | |
| PHF Volume: | 145 | 235 | 86 | | 759 | 181 | 501 | | 661 | 1032 | 43 | | 79 | 1463 | 960 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 145 | 235 | 86 | | 759 | 181 | 501 | | 661 | 1032 | 43 | | 79 | 1463 | 960 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 145 | 235 | 86 | | 759 | 181 | 501 | | 661 | 1032 | 43 | | 79 | 1463 | 960 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.92 | 0.95 | 0.85 | | 0.92 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 2.00 | 2.00 | 1.00 | | 2.00 | 2.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | |
| Final Sat.: | 3502 | 3610 | 1615 | | 3502 | 3610 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.04 | 0.07 | 0.05 | | 0.22 | 0.05 | 0.31 | | 0.19 | 0.20 | 0.03 | | 0.02 | 0.28 | 0.59 | |
| Crit Moves: | **** | | | | | **** | | | **** | | | | | | **** | |
| Green/Cycle: | 0.08 | 0.10 | 0.10 | | 0.26 | 0.28 | 0.45 | | 0.17 | 0.37 | 0.37 | | 0.13 | 0.33 | 0.60 | |
| Volume/Cap: | 0.50 | 0.64 | 0.52 | | 0.82 | 0.18 | 0.69 | | 1.13 | 0.54 | 0.07 | | 0.18 | 0.85 | 0.99 | |
| Delay/Veh: | 53.9 | 55.5 | 54.1 | | 47.2 | 32.5 | 29.1 | | 129.4 | 29.9 | 24.4 | | 46.8 | 41.2 | 51.1 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 53.9 | 55.5 | 54.1 | | 47.2 | 32.5 | 29.1 | | 129.4 | 29.9 | 24.4 | | 46.8 | 41.2 | 51.1 | |
| LOS by Move: | D | E | D | | D | C | C | | F | C | C | | D | D | D | |
| HCM2kAvgQ: | 3 | 5 | 4 | | 16 | 3 | 15 | | 21 | 11 | 1 | | 1 | 21 | 42 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #7 Murrieta Road / Scott Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.710
Loss Time (sec): 12 | Average Delay (sec/veh): 32.9
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Permitted | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 33 | 0 | 33 | 10 | 10 | 0 | 0 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 2 0 | 0 | 0 1 | 2 0 | 3 | 0 0 | 0 0 | 3 | 0 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 210 | 0 | 385 | 636 | 1280 | 0 | 0 | 1895 | 264 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 210 | 0 | 385 | 636 | 1280 | 0 | 0 | 1895 | 264 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 221 | 0 | 405 | 669 | 1347 | 0 | 0 | 1995 | 278 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 221 | 0 | 405 | 669 | 1347 | 0 | 0 | 1995 | 278 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 221 | 0 | 405 | 669 | 1347 | 0 | 0 | 1995 | 278 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 3502 | 0 | 1615 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.25 | 0.19 | 0.26 | 0.00 | 0.00 | 0.38 | 0.17 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.48 | 0.21 | 0.63 | 0.00 | 0.00 | 0.42 | 0.42 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.52 | 0.92 | 0.42 | 0.00 | 0.00 | 0.92 | 0.41 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 33.8 | 0.0 | 22.1 | 63.7 | 11.5 | 0.0 | 0.0 | 40.2 | 25.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 33.8 | 0.0 | 22.1 | 63.7 | 11.5 | 0.0 | 0.0 | 40.2 | 25.0 |
| LOS by Move: | A | A | A | C | A | C | E | B | A | A | D | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 3 | 0 | 10 | 16 | 9 | 0 | 0 | 29 | 7 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 1.364 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 165.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | F |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 26 | 26 | 10 | 21 | 21 | 10 | 21 | 21 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 125 | 80 | 917 | 296 | 91 | 53 | 70 | 1420 | 103 | 755 | 1500 | 93 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 125 | 80 | 917 | 296 | 91 | 53 | 70 | 1420 | 103 | 755 | 1500 | 93 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 131 | 84 | 963 | 311 | 96 | 56 | 74 | 1492 | 108 | 793 | 1576 | 98 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 131 | 84 | 963 | 311 | 96 | 56 | 74 | 1492 | 108 | 793 | 1576 | 98 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 131 | 84 | 963 | 311 | 96 | 56 | 74 | 1492 | 108 | 793 | 1576 | 98 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 1805 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.02 | 0.60 | 0.17 | 0.03 | 0.03 | 0.02 | 0.41 | 0.07 | 0.23 | 0.44 | 0.06 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.27 | 0.44 | 0.13 | 0.29 | 0.29 | 0.08 | 0.30 | 0.30 | 0.17 | 0.39 | 0.39 |
| Volume/Cap: | 0.66 | 0.09 | 1.36 | 1.36 | 0.09 | 0.12 | 0.25 | 1.36 | 0.22 | 1.36 | 1.13 | 0.16 |
| Delay/Veh: | 59.1 | 32.7 | 206.5 | 241.7 | 31.4 | 31.7 | 52.0 | 211 | 31.5 | 224.6 | 106 | 24.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 59.1 | 32.7 | 206.5 | 241.7 | 31.4 | 31.7 | 52.0 | 211 | 31.5 | 224.6 | 106 | 24.2 |
| LOS by Move: | E | C | F | F | C | C | D | F | C | F | F | C |
| HCM2kAvgQ: | 6 | 1 | 68 | 24 | 1 | 2 | 2 | 56 | 3 | 30 | 45 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Bradley Road / Cherry Hills Boulevard

Cycle (sec): 70 Critical Vol./Cap.(X): 0.363
Loss Time (sec): 12 Average Delay (sec/veh): 15.0
Optimal Cycle: OPTIMIZED Level Of Service: B

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | | L | T | R | | L | T | R | | L | T | R | |
| Control: | Protected | | | | Permitted | | | | Protected | | | | Protected | | | |
| Rights: | Include | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 0 | 0 | 26 | 26 | 21 | 0 | 21 | 0 | 0 | 0 | | | | |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | | | |
| Lanes: | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 155 | 824 | 0 | 0 | 565 | 76 | 82 | 0 | 78 | 0 | 0 | 0 | | | | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Initial Bse: | 155 | 824 | 0 | 0 | 565 | 76 | 82 | 0 | 78 | 0 | 0 | 0 | | | | |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | | | | |
| PHF Volume: | 162 | 860 | 0 | 0 | 590 | 79 | 86 | 0 | 81 | 0 | 0 | 0 | | | | |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Reduced Vol: | 162 | 860 | 0 | 0 | 590 | 79 | 86 | 0 | 81 | 0 | 0 | 0 | | | | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| FinalVolume: | 162 | 860 | 0 | 0 | 590 | 79 | 86 | 0 | 81 | 0 | 0 | 0 | | | | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | | | |
| Adjustment: | 0.95 | 0.95 | 1.00 | 1.00 | 0.95 | 0.85 | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | | | | |
| Lanes: | 1.00 | 2.00 | 0.00 | 0.00 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | | | | |
| Final Sat.: | 1805 | 3610 | 0 | 0 | 3610 | 1615 | 1805 | 0 | 1615 | 0 | 0 | 0 | | | | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.24 | 0.00 | 0.00 | 0.16 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | | | | |
| Crit Moves: | **** | | | | **** | | **** | | | | | | | | | |
| Green/Cycle: | 0.16 | 0.53 | 0.00 | 0.00 | 0.37 | 0.37 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | | | | |
| Volume/Cap: | 0.57 | 0.45 | 0.00 | 0.00 | 0.44 | 0.13 | 0.16 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | | | | |
| Delay/Veh: | 30.1 | 10.4 | 0.0 | 0.0 | 16.8 | 14.6 | 18.1 | 0.0 | 18.2 | 0.0 | 0.0 | 0.0 | | | | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| AdjDel/Veh: | 30.1 | 10.4 | 0.0 | 0.0 | 16.8 | 14.6 | 18.1 | 0.0 | 18.2 | 0.0 | 0.0 | 0.0 | | | | |
| LOS by Move: | C | B | A | A | B | B | B | A | B | A | A | A | | | | |
| HCM2kAvgQ: | 4 | 6 | 0 | 0 | 5 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #10 Bradley Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.714 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 42.0 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 1 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 324 | 302 | 239 | 374 | 298 | 201 | 203 | 1166 | 156 | 236 | 1655 | 356 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 324 | 302 | 239 | 374 | 298 | 201 | 203 | 1166 | 156 | 236 | 1655 | 356 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 338 | 315 | 249 | 390 | 310 | 209 | 211 | 1215 | 163 | 246 | 1724 | 371 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 338 | 315 | 249 | 390 | 310 | 209 | 211 | 1215 | 163 | 246 | 1724 | 371 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 338 | 315 | 249 | 390 | 310 | 209 | 211 | 1215 | 163 | 246 | 1724 | 371 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.95 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 1805 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.10 | 0.09 | 0.15 | 0.22 | 0.09 | 0.13 | 0.06 | 0.23 | 0.10 | 0.07 | 0.33 | 0.23 |
| Crit Moves: | **** | | | | | **** | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.12 | 0.24 | 0.29 | 0.29 | 0.29 | 0.08 | 0.34 | 0.34 | 0.12 | 0.38 | 0.38 |
| Volume/Cap: | 0.87 | 0.75 | 0.65 | 0.75 | 0.29 | 0.44 | 0.72 | 0.68 | 0.29 | 0.58 | 0.87 | 0.60 |
| Delay/Veh: | 71.5 | 59.0 | 45.1 | 45.1 | 33.1 | 35.3 | 62.4 | 35.0 | 29.1 | 51.7 | 39.0 | 31.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 71.5 | 59.0 | 45.1 | 45.1 | 33.1 | 35.3 | 62.4 | 35.0 | 29.1 | 51.7 | 39.0 | 31.5 |
| LOS by Move: | E | E | D | D | C | D | E | C | C | D | D | C |
| HCM2kAvgQ: | 9 | 8 | 9 | 14 | 5 | 6 | 5 | 15 | 4 | 5 | 24 | 11 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2082 | 484 | 0 | 2506 | 0 | 0 | 0 | 0 | 138 | 0 | 268 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | | | | | 6.0 | | 6.0 |
| Lane Util. Factor | | 0.81 | 0.81 | | 0.86 | | | | | 0.97 | | 0.88 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | | | | | 1.00 | | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | | | | 1.00 | | 1.00 |
| Frt | | 1.00 | 0.85 | | 1.00 | | | | | 1.00 | | 0.85 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (prot) | | 6013 | 1265 | | 6408 | | | | | 3433 | | 2736 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | | | | | 0.95 | | 1.00 |
| Satd. Flow (perm) | | 6013 | 1265 | | 6408 | | | | | 3433 | | 2736 |
| Peak-hour factor, PHF | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| Adj. Flow (vph) | 0 | 2169 | 504 | 0 | 2610 | 0 | 0 | 0 | 0 | 144 | 0 | 279 |
| RTOR Reduction (vph) | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Lane Group Flow (vph) | 0 | 2216 | 454 | 0 | 2610 | 0 | 0 | 0 | 0 | 144 | 0 | 275 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 0% | 0% | 0% | 0% | 2% | 0% | 2% |
| Turn Type | | NA | Free | | NA | | | | | custom | | custom |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | Free | | | | | | | 4 | | 4 |
| Actuated Green, G (s) | | 59.0 | 95.0 | | 59.0 | | | | | 24.0 | | 24.0 |
| Effective Green, g (s) | | 59.0 | 95.0 | | 59.0 | | | | | 24.0 | | 24.0 |
| Actuated g/C Ratio | | 0.62 | 1.00 | | 0.62 | | | | | 0.25 | | 0.25 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | | 6.0 |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | | | | 3.0 | | 3.0 |
| Lane Grp Cap (vph) | | 3734 | 1265 | | 3980 | | | | | 867 | | 691 |
| v/s Ratio Prot | | 0.37 | | | c0.41 | | | | | | | |
| v/s Ratio Perm | | | c0.36 | | | | | | | 0.04 | | 0.10 |
| v/c Ratio | | 0.59 | 0.36 | | 0.66 | | | | | 0.17 | | 0.40 |
| Uniform Delay, d1 | | 10.8 | 0.0 | | 11.5 | | | | | 27.7 | | 29.5 |
| Progression Factor | | 1.00 | 1.00 | | 0.38 | | | | | 1.00 | | 1.00 |
| Incremental Delay, d2 | | 0.7 | 0.8 | | 0.6 | | | | | 0.4 | | 1.7 |
| Delay (s) | | 11.5 | 0.8 | | 5.0 | | | | | 28.1 | | 31.2 |
| Level of Service | | B | A | | A | | | | | C | | C |
| Approach Delay (s) | | 9.7 | | | 5.0 | | | 0.0 | | | 30.2 | |
| Approach LOS | | A | | | A | | | A | | | C | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 9.0 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.56 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 6.0 |
| Intersection Capacity Utilization | 64.6% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1989 | 644 | 618 | 1955 | 0 | 0 | 0 | 0 | 299 | 2 | 393 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Lane Util. Factor | | 0.91 | 1.00 | 0.97 | 0.91 | | | | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | 1.00 | 1.00 | | | | | | 1.00 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | 1.00 | 1.00 |
| Frt | | 1.00 | 0.85 | 1.00 | 1.00 | | | | | | 1.00 | 0.85 |
| Flt Protected | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (prot) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Flt Permitted | | 1.00 | 1.00 | 0.95 | 1.00 | | | | | | 0.95 | 1.00 |
| Satd. Flow (perm) | | 5085 | 1562 | 3433 | 5085 | | | | | | 1775 | 1555 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 2030 | 657 | 631 | 1995 | 0 | 0 | 0 | 0 | 305 | 2 | 401 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Lane Group Flow (vph) | 0 | 2030 | 657 | 631 | 1995 | 0 | 0 | 0 | 0 | 0 | 307 | 389 |
| Confl. Peds. (#/hr) | | | 5 | | | | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 2% | 2% | 0% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | Prot | NA | | | | | Split | NA | Perm |
| Protected Phases | | 2 | | 1 | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | | | | | | | 4 |
| Actuated Green, G (s) | | 50.2 | 120.0 | 22.5 | 77.2 | | | | | | 30.8 | 30.8 |
| Effective Green, g (s) | | 50.2 | 120.0 | 22.5 | 77.2 | | | | | | 30.8 | 30.8 |
| Actuated g/C Ratio | | 0.42 | 1.00 | 0.19 | 0.64 | | | | | | 0.26 | 0.26 |
| Clearance Time (s) | | 6.0 | | 4.5 | 6.0 | | | | | | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | 2.0 | 2.0 | | | | | | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 2127 | 1562 | 644 | 3271 | | | | | | 456 | 399 |
| v/s Ratio Prot | | c0.40 | | c0.18 | 0.39 | | | | | | 0.17 | |
| v/s Ratio Perm | | | 0.42 | | | | | | | | | c0.25 |
| v/c Ratio | | 0.95 | 0.42 | 0.98 | 0.61 | | | | | | 0.67 | 0.98 |
| Uniform Delay, d1 | | 33.8 | 0.0 | 48.5 | 12.6 | | | | | | 40.1 | 44.2 |
| Progression Factor | | 1.34 | 1.00 | 0.54 | 0.31 | | | | | | 1.00 | 1.00 |
| Incremental Delay, d2 | | 1.5 | 0.1 | 15.6 | 0.3 | | | | | | 3.1 | 38.1 |
| Delay (s) | | 46.7 | 0.1 | 41.9 | 4.2 | | | | | | 43.2 | 82.3 |
| Level of Service | | D | A | D | A | | | | | | D | F |
| Approach Delay (s) | | 35.3 | | | 13.3 | | | 0.0 | | | 65.3 | |
| Approach LOS | | D | | | B | | | A | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 29.2 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 0.97 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.5 |
| Intersection Capacity Utilization | 86.5% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.976 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 132.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | F |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 39 | 39 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.31 | 0.32 | 0.31 | 0.35 | 0.10 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.33 | 0.52 | 0.09 | 0.33 | 0.33 | 0.09 | 0.26 | 0.35 | 0.19 | 0.36 | 0.36 |
| Volume/Cap: | 1.64 | 0.11 | 0.79 | 0.93 | 0.15 | 0.21 | 0.28 | 1.22 | 0.91 | 1.64 | 0.97 | 0.29 |
| Delay/Veh: | 354.6 | 27.8 | 26.3 | 87.7 | 28.9 | 29.5 | 51.9 | 150 | 55.2 | 342.2 | 52.0 | 27.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 354.6 | 27.8 | 26.3 | 87.7 | 28.9 | 29.5 | 51.9 | 150 | 55.2 | 342.2 | 52.0 | 27.5 |
| LOS by Move: | F | C | C | F | C | C | D | F | E | F | D | C |
| HCM2kAvgQ: | 25 | 2 | 21 | 8 | 2 | 3 | 2 | 38 | 22 | 48 | 30 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #14 Haun Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.639 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 41.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 302 | 191 | 163 | 281 | 85 | 104 | 129 | 1526 | 250 | 285 | 1314 | 420 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 302 | 191 | 163 | 281 | 85 | 104 | 129 | 1526 | 250 | 285 | 1314 | 420 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 318 | 201 | 172 | 296 | 89 | 109 | 136 | 1606 | 263 | 300 | 1383 | 442 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 318 | 201 | 172 | 296 | 89 | 109 | 136 | 1606 | 263 | 300 | 1383 | 442 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 318 | 201 | 172 | 296 | 89 | 109 | 136 | 1606 | 263 | 300 | 1383 | 442 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.06 | 0.11 | 0.08 | 0.02 | 0.07 | 0.04 | 0.31 | 0.16 | 0.09 | 0.27 | 0.27 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.29 | 0.29 | 0.09 | 0.28 | 0.28 | 0.11 | 0.38 | 0.38 | 0.10 | 0.37 | 0.37 |
| Volume/Cap: | 0.82 | 0.19 | 0.36 | 0.93 | 0.09 | 0.25 | 0.35 | 0.82 | 0.43 | 0.82 | 0.72 | 0.74 |
| Delay/Veh: | 65.4 | 31.7 | 33.8 | 87.5 | 32.4 | 34.1 | 49.7 | 36.7 | 28.3 | 66.5 | 34.0 | 37.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 65.4 | 31.7 | 33.8 | 87.5 | 32.4 | 34.1 | 49.7 | 36.7 | 28.3 | 66.5 | 34.0 | 37.9 |
| LOS by Move: | E | C | C | F | C | C | D | D | C | E | C | D |
| HCM2kAvgQ: | 8 | 3 | 5 | 9 | 1 | 3 | 3 | 21 | 7 | 8 | 17 | 15 |

Note: Queue reported is the number of cars per lane.

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| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 2270 | 672 | 0 | 2256 | 359 | 0 | 0 | 0 | 512 | 0 | 676 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | | | | 6.0 | 6.0 | 6.0 |
| Lane Util. Factor | | *1.00 | 0.81 | | *1.00 | 1.00 | | | | *1.00 | *1.00 | *1.00 |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.98 | | | | 1.00 | 0.99 | 0.98 |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Frt | | 0.99 | 1.00 | | 1.00 | 0.85 | | | | 1.00 | 1.00 | 1.00 |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 7371 | 1488 | | 5588 | 1548 | | | | 1863 | 1839 | 1831 |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 7371 | 1488 | | 5588 | 1548 | | | | 1863 | 1839 | 1831 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 2316 | 686 | 0 | 2302 | 366 | 0 | 0 | 0 | 522 | 0 | 690 |
| RTOR Reduction (vph) | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Lane Group Flow (vph) | 0 | 2466 | 528 | 0 | 2302 | 366 | 0 | 0 | 0 | 418 | 399 | 391 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | | | | 5 |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 0% | 0% | 0% | 2% | 2% | 2% |
| Turn Type | | NA | Free | | NA | Free | | | | Split | NA | Perm |
| Protected Phases | | 2 | | | 6 | | | | | 4 | 4 | |
| Permitted Phases | | | Free | | | Free | | | | | | 4 |
| Actuated Green, G (s) | | 74.6 | 120.0 | | 74.6 | 120.0 | | | | 33.4 | 33.4 | 33.4 |
| Effective Green, g (s) | | 74.6 | 120.0 | | 74.6 | 120.0 | | | | 33.4 | 33.4 | 33.4 |
| Actuated g/C Ratio | | 0.62 | 1.00 | | 0.62 | 1.00 | | | | 0.28 | 0.28 | 0.28 |
| Clearance Time (s) | | 6.0 | | | 6.0 | | | | | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | | | | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | | 4582 | 1488 | | 3474 | 1548 | | | | 519 | 512 | 510 |
| v/s Ratio Prot | | 0.33 | | | c0.41 | | | | | c0.22 | 0.22 | |
| v/s Ratio Perm | | | 0.35 | | | 0.24 | | | | | | 0.21 |
| v/c Ratio | | 0.54 | 0.35 | | 0.66 | 0.24 | | | | 0.81 | 0.78 | 0.77 |
| Uniform Delay, d1 | | 12.9 | 0.0 | | 14.6 | 0.0 | | | | 40.3 | 39.9 | 39.7 |
| Progression Factor | | 0.65 | 1.00 | | 0.47 | 1.00 | | | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | | 0.0 | 0.1 | | 0.8 | 0.3 | | | | 8.4 | 6.7 | 6.1 |
| Delay (s) | | 8.4 | 0.1 | | 7.7 | 0.3 | | | | 48.7 | 46.6 | 45.8 |
| Level of Service | | A | A | | A | A | | | | D | D | D |
| Approach Delay (s) | | 7.0 | | | 6.7 | | | 0.0 | | | 47.1 | |
| Approach LOS | | A | | | A | | | A | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 13.9 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.71 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 82.0% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBT | EBR | WBT | WBR2 | SBL | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Volume (vph) | 1714 | 572 | 1888 | 487 | 405 | 226 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 13 | 13 | 13 | 12 | 15 | 13 |
| Total Lost time (s) | 4.7 | 2.7 | 4.7 | 6.0 | 4.7 | 4.7 |
| Lane Util. Factor | 0.86 | 1.00 | 0.91 | 0.88 | 0.97 | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 0.98 | 1.00 | 0.98 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 | 0.85 |
| Flt Protected | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (prot) | 6621 | 1636 | 5255 | 2739 | 3776 | 2820 |
| Flt Permitted | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 |
| Satd. Flow (perm) | 6621 | 1636 | 5255 | 2739 | 3776 | 2820 |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 1804 | 602 | 1987 | 513 | 426 | 238 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 146 | 0 | 27 |
| Lane Group Flow (vph) | 1804 | 602 | 1987 | 367 | 426 | 211 |
| Confl. Peds. (#/hr) | | | | 5 | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 2% | 2% | 2% | 2% |
| Turn Type | NA | Free | NA | Perm | Prot | custom |
| Protected Phases | 2 | | 6 | | 4 | |
| Permitted Phases | | Free | | 6 | | 4 |
| Actuated Green, G (s) | 68.0 | 95.0 | 68.0 | 68.0 | 15.0 | 15.0 |
| Effective Green, g (s) | 69.3 | 95.0 | 69.3 | 68.0 | 16.3 | 16.3 |
| Actuated g/C Ratio | 0.73 | 1.00 | 0.73 | 0.72 | 0.17 | 0.17 |
| Clearance Time (s) | 6.0 | | 6.0 | 6.0 | 6.0 | 6.0 |
| Vehicle Extension (s) | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 |
| Lane Grp Cap (vph) | 4830 | 1636 | 3833 | 1961 | 648 | 484 |
| v/s Ratio Prot | 0.27 | | c0.38 | | c0.11 | |
| v/s Ratio Perm | | 0.37 | | 0.13 | | 0.07 |
| v/c Ratio | 0.37 | 0.37 | 0.52 | 0.19 | 0.66 | 0.44 |
| Uniform Delay, d1 | 4.8 | 0.0 | 5.6 | 4.4 | 36.7 | 35.2 |
| Progression Factor | 1.00 | 1.00 | 0.49 | 0.49 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.2 | 0.6 | 0.5 | 0.2 | 1.8 | 0.2 |
| Delay (s) | 5.0 | 0.6 | 3.2 | 2.4 | 38.6 | 35.5 |
| Level of Service | A | A | A | A | D | D |
| Approach Delay (s) | 3.9 | | 3.0 | | | |
| Approach LOS | A | | A | | | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 7.5 | HCM Level of Service | A |
| HCM Volume to Capacity ratio | 0.54 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 9.4 |
| Intersection Capacity Utilization | Err% | ICU Level of Service | H |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1867 | 0 | 0 | 2512 | 378 | 287 | 0 | 375 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | | | 6.0 | 4.0 | 6.0 | | 6.0 | | | |
| Lane Util. Factor | | 0.86 | | | 0.81 | 0.81 | 0.97 | | 0.88 | | | |
| Frpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Frt | | 1.00 | | | 1.00 | 0.85 | 1.00 | | 0.85 | | | |
| Flt Protected | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (prot) | | 6408 | | | 6022 | 1282 | 3433 | | 2736 | | | |
| Flt Permitted | | 1.00 | | | 1.00 | 1.00 | 0.95 | | 1.00 | | | |
| Satd. Flow (perm) | | 6408 | | | 6022 | 1282 | 3433 | | 2736 | | | |
| Peak-hour factor, PHF | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Adj. Flow (vph) | 0 | 1965 | 0 | 0 | 2644 | 398 | 302 | 0 | 395 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 1965 | 0 | 0 | 2682 | 358 | 302 | 0 | 375 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | | | | | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 0% | 0% | 2% | 2% | 2% | 0% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | | | NA | Free | custom | | custom | | | |
| Protected Phases | | 2 | | | 6 | | | | | | | |
| Permitted Phases | | | | | | Free | 8 | | 8 | | | |
| Actuated Green, G (s) | | 60.0 | | | 60.0 | 95.0 | 23.0 | | 23.0 | | | |
| Effective Green, g (s) | | 60.0 | | | 60.0 | 95.0 | 23.0 | | 23.0 | | | |
| Actuated g/C Ratio | | 0.63 | | | 0.63 | 1.00 | 0.24 | | 0.24 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | | 6.0 | | | |
| Vehicle Extension (s) | | 3.0 | | | 3.0 | | 3.0 | | 3.0 | | | |
| Lane Grp Cap (vph) | | 4047 | | | 3803 | 1282 | 831 | | 662 | | | |
| v/s Ratio Prot | | 0.31 | | | c0.45 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.28 | 0.09 | | c0.14 | | | |
| v/c Ratio | | 0.49 | | | 0.71 | 0.28 | 0.36 | | 0.57 | | | |
| Uniform Delay, d1 | | 9.3 | | | 11.6 | 0.0 | 29.9 | | 31.6 | | | |
| Progression Factor | | 0.64 | | | 1.00 | 1.00 | 1.00 | | 1.00 | | | |
| Incremental Delay, d2 | | 0.3 | | | 1.1 | 0.5 | 1.2 | | 3.5 | | | |
| Delay (s) | | 6.3 | | | 12.7 | 0.5 | 31.1 | | 35.1 | | | |
| Level of Service | | A | | | B | A | C | | D | | | |
| Approach Delay (s) | | 6.3 | | | 11.3 | | | 33.4 | | | 0.0 | |
| Approach LOS | | A | | | B | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 12.3 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.67 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 56.7% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 264 | 2024 | 0 | 0 | 2224 | 143 | 349 | 1 | 556 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.5 | | | 5.5 | 4.0 | | 5.5 | 5.5 | | | |
| Lane Util. Factor | 0.97 | 0.91 | | | 0.91 | 1.00 | | 1.00 | 1.00 | | | |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | 1.00 | 0.85 | | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (prot) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | 0.95 | 1.00 | | | |
| Satd. Flow (perm) | 3433 | 5085 | | | 5085 | 1583 | | 1774 | 1583 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 269 | 2065 | 0 | 0 | 2269 | 146 | 356 | 1 | 567 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 269 | 2065 | 0 | 0 | 2269 | 146 | 0 | 357 | 562 | 0 | 0 | 0 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | Prot | NA | | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | 5 | 2 | | | 6 | | 8 | 8 | | | | |
| Permitted Phases | | | | | | Free | | | 8 | | | |
| Actuated Green, G (s) | 10.5 | 68.0 | | | 53.0 | 120.0 | | 40.0 | 40.0 | | | |
| Effective Green, g (s) | 10.0 | 68.5 | | | 53.5 | 120.0 | | 40.5 | 40.5 | | | |
| Actuated g/C Ratio | 0.08 | 0.57 | | | 0.45 | 1.00 | | 0.34 | 0.34 | | | |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | | | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | | | 3.0 | 3.0 | | | |
| Lane Grp Cap (vph) | 286 | 2903 | | | 2267 | 1583 | | 599 | 534 | | | |
| v/s Ratio Prot | c0.08 | 0.41 | | | c0.45 | | | 0.20 | | | | |
| v/s Ratio Perm | | | | | | 0.09 | | | c0.36 | | | |
| v/c Ratio | 0.94 | 0.71 | | | 1.00 | 0.09 | | 0.60 | 1.05 | | | |
| Uniform Delay, d1 | 54.7 | 18.6 | | | 33.2 | 0.0 | | 33.0 | 39.8 | | | |
| Progression Factor | 1.28 | 0.25 | | | 0.38 | 1.00 | | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | 19.6 | 0.3 | | | 11.8 | 0.0 | | 1.6 | 53.7 | | | |
| Delay (s) | 89.6 | 4.9 | | | 24.3 | 0.0 | | 34.6 | 93.4 | | | |
| Level of Service | F | A | | | C | A | | C | F | | | |
| Approach Delay (s) | | 14.7 | | | 22.9 | | | 70.7 | | | 0.0 | |
| Approach LOS | | B | | | C | | | E | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 27.3 | HCM Level of Service | C |
| HCM Volume to Capacity ratio | 1.02 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 16.0 |
| Intersection Capacity Utilization | 86.5% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 0 | 1932 | 850 | 0 | 1786 | 396 | 829 | 0 | 707 | 0 | 0 | 0 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 6.0 | 4.0 | | 6.0 | 4.0 | 6.0 | 6.0 | 6.0 | | | |
| Lane Util. Factor | | 0.86 | 0.86 | | 0.86 | 1.00 | 0.95 | 0.91 | 0.95 | | | |
| Frpb, ped/bikes | | 1.00 | 0.99 | | 1.00 | 0.99 | 1.00 | 0.99 | 0.98 | | | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Frt | | 0.98 | 0.85 | | 1.00 | 0.85 | 1.00 | 0.94 | 0.85 | | | |
| Flt Protected | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (prot) | | 4720 | 1343 | | 6408 | 1562 | 1681 | 1533 | 1481 | | | |
| Flt Permitted | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.95 | 0.97 | 1.00 | | | |
| Satd. Flow (perm) | | 4720 | 1343 | | 6408 | 1562 | 1681 | 1533 | 1481 | | | |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 0 | 1971 | 867 | 0 | 1822 | 404 | 846 | 0 | 721 | 0 | 0 | 0 |
| RTOR Reduction (vph) | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2194 | 633 | 0 | 1822 | 404 | 541 | 527 | 495 | 0 | 0 | 0 |
| Confl. Peds. (#/hr) | | | 5 | | | 5 | | | 5 | | | |
| Heavy Vehicles (%) | 0% | 2% | 2% | 0% | 2% | 2% | 2% | 2% | 2% | 0% | 0% | 0% |
| Turn Type | | NA | Free | | NA | Free | Split | NA | Perm | | | |
| Protected Phases | | 4 | | | 8 | | 2 | 2 | | | | |
| Permitted Phases | | | Free | | | Free | | | 2 | | | |
| Actuated Green, G (s) | | 58.7 | 120.0 | | 58.7 | 120.0 | 49.3 | 49.3 | 49.3 | | | |
| Effective Green, g (s) | | 58.7 | 120.0 | | 58.7 | 120.0 | 49.3 | 49.3 | 49.3 | | | |
| Actuated g/C Ratio | | 0.49 | 1.00 | | 0.49 | 1.00 | 0.41 | 0.41 | 0.41 | | | |
| Clearance Time (s) | | 6.0 | | | 6.0 | | 6.0 | 6.0 | 6.0 | | | |
| Vehicle Extension (s) | | 2.0 | | | 2.0 | | 2.0 | 2.0 | 2.0 | | | |
| Lane Grp Cap (vph) | | 2309 | 1343 | | 3135 | 1562 | 691 | 630 | 608 | | | |
| v/s Ratio Prot | | c0.46 | | | 0.28 | | 0.32 | c0.34 | | | | |
| v/s Ratio Perm | | | 0.47 | | | 0.26 | | | 0.33 | | | |
| v/c Ratio | | 0.95 | 0.47 | | 0.58 | 0.26 | 0.78 | 0.84 | 0.81 | | | |
| Uniform Delay, d1 | | 29.3 | 0.0 | | 21.9 | 0.0 | 30.7 | 31.7 | 31.3 | | | |
| Progression Factor | | 0.55 | 1.00 | | 0.07 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| Incremental Delay, d2 | | 8.3 | 1.0 | | 0.0 | 0.0 | 8.6 | 12.5 | 11.4 | | | |
| Delay (s) | | 24.4 | 1.0 | | 1.5 | 0.0 | 39.3 | 44.2 | 42.7 | | | |
| Level of Service | | C | A | | A | A | D | D | D | | | |
| Approach Delay (s) | | 19.2 | | | 1.2 | | | 42.0 | | | 0.0 | |
| Approach LOS | | B | | | A | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 18.5 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.90 | | |
| Actuated Cycle Length (s) | 120.0 | Sum of lost time (s) | 12.0 |
| Intersection Capacity Utilization | 84.0% | ICU Level of Service | E |
| Analysis Period (min) | 15 | | |
| c Critical Lane Group | | | |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Volume (vph) | 357 | 1762 | 0 | 0 | 1576 | 356 | 0 | 0 | 516 | 0 | 0 | 799 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Lane Width | 14 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 12 | 14 |
| Total Lost time (s) | 4.5 | 4.7 | | | 4.7 | 6.0 | | | 4.7 | | | 4.5 |
| Lane Util. Factor | 0.97 | *0.97 | | | *0.97 | 0.81 | | | *1.00 | | | 0.88 |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 0.97 |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Frt | 1.00 | 1.00 | | | 1.00 | 0.85 | | | 0.85 | | | 0.85 |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (prot) | 3662 | 7709 | | | 7684 | 1368 | | | 3378 | | | 2875 |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | 1.00 | | | 1.00 | | | 1.00 |
| Satd. Flow (perm) | 3662 | 7709 | | | 7684 | 1368 | | | 3378 | | | 2875 |
| Peak-hour factor, PHF | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Adj. Flow (vph) | 364 | 1798 | 0 | 0 | 1608 | 363 | 0 | 0 | 527 | 0 | 0 | 815 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 2 | 160 | 0 | 0 | 492 | 0 | 0 | 758 |
| Lane Group Flow (vph) | 364 | 1798 | 0 | 0 | 1642 | 167 | 0 | 0 | 35 | 0 | 0 | 57 |
| Confl. Peds. (#/hr) | | | | | | | | | | | | 5 |
| Heavy Vehicles (%) | 2% | 2% | 0% | 0% | 2% | 2% | 0% | 0% | 2% | 0% | 0% | 2% |
| Turn Type | Prot | NA | | | NA | Perm | | | Perm | | | custom |
| Protected Phases | 5 | 2 | | | 6 | | | 8 | | | | |
| Permitted Phases | | | | | | 6 | | | 8 | | | 4 |
| Actuated Green, G (s) | 13.7 | 66.8 | | | 48.6 | 48.6 | | | 5.0 | | | 6.7 |
| Effective Green, g (s) | 13.7 | 68.1 | | | 49.9 | 48.6 | | | 6.3 | | | 6.7 |
| Actuated g/C Ratio | 0.14 | 0.72 | | | 0.53 | 0.51 | | | 0.07 | | | 0.07 |
| Clearance Time (s) | 4.5 | 6.0 | | | 6.0 | 6.0 | | | 6.0 | | | 4.5 |
| Vehicle Extension (s) | 2.0 | 2.0 | | | 2.0 | 2.0 | | | 2.0 | | | 2.0 |
| Lane Grp Cap (vph) | 528 | 5526 | | | 4036 | 700 | | | 224 | | | 203 |
| v/s Ratio Prot | c0.10 | 0.23 | | | c0.21 | | | | | | | |
| v/s Ratio Perm | | | | | | 0.12 | | | c0.01 | | | c0.02 |
| v/c Ratio | 0.69 | 0.33 | | | 0.41 | 0.24 | | | 0.16 | | | 0.28 |
| Uniform Delay, d1 | 38.6 | 5.0 | | | 13.6 | 12.9 | | | 41.8 | | | 41.9 |
| Progression Factor | 0.91 | 0.72 | | | 0.19 | 0.10 | | | 1.00 | | | 1.00 |
| Incremental Delay, d2 | 2.8 | 0.1 | | | 0.2 | 0.5 | | | 0.1 | | | 0.3 |
| Delay (s) | 37.9 | 3.7 | | | 2.8 | 1.8 | | | 42.0 | | | 42.2 |
| Level of Service | D | A | | | A | A | | | D | | | D |
| Approach Delay (s) | | 9.5 | | | 2.6 | | | 42.0 | | | 42.2 | |
| Approach LOS | | A | | | A | | | D | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM Average Control Delay | 15.0 | HCM Level of Service | B |
| HCM Volume to Capacity ratio | 0.43 | | |
| Actuated Cycle Length (s) | 95.0 | Sum of lost time (s) | 18.4 |
| Intersection Capacity Utilization | 61.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #21 Encanto Road / Ethanac Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.742 |
| Loss Time (sec): | 12 | Average Delay (sec/veh): | 23.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Permitted | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 21 | 21 | 10 | 21 | 0 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 0 | 1 | 0 0 | 0 0 | 0 | 0 0 | 3 0 | 1 | 1 0 | 3 0 | 0 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 361 | 0 | 144 | 0 | 0 | 0 | 0 | 2126 | 116 | 44 | 2529 | 0 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 361 | 0 | 144 | 0 | 0 | 0 | 0 | 2126 | 116 | 44 | 2529 | 0 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 380 | 0 | 152 | 0 | 0 | 0 | 0 | 2238 | 122 | 46 | 2662 | 0 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 380 | 0 | 152 | 0 | 0 | 0 | 0 | 2238 | 122 | 46 | 2662 | 0 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 380 | 0 | 152 | 0 | 0 | 0 | 0 | 2238 | 122 | 46 | 2662 | 0 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.85 | 0.95 | 0.91 | 1.00 |
| Lanes: | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 1.00 | 1.00 | 3.00 | 0.00 |
| Final Sat.: | 1805 | 0 | 1615 | 0 | 0 | 0 | 0 | 5187 | 1615 | 1805 | 5187 | 0 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.21 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.08 | 0.03 | 0.51 | 0.00 |
| Crit Moves: | **** | | | | | | | **** | | **** | | |
| Green/Cycle: | 0.28 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.54 | 0.08 | 0.63 | 0.00 |
| Volume/Cap: | 0.77 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.14 | 0.31 | 0.82 | 0.00 |
| Delay/Veh: | 47.0 | 0.0 | 35.3 | 0.0 | 0.0 | 0.0 | 0.0 | 23.8 | 13.7 | 52.9 | 19.1 | 0.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 47.0 | 0.0 | 35.3 | 0.0 | 0.0 | 0.0 | 0.0 | 23.8 | 13.7 | 52.9 | 19.1 | 0.0 |
| LOS by Move: | D | A | D | A | A | A | A | C | B | D | B | A |
| HCM2kAvgQ: | 14 | 0 | 5 | 0 | 0 | 0 | 0 | 25 | 2 | 2 | 29 | 0 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #22 Encanto Drive / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.658 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 54.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | T | R | L | T | R | L | T | R | L | T | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 1 0 | 0 1 | 0 | 2 0 | 1 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 213 | 20 | 37 | 26 | 16 | 213 | 503 | 1758 | 319 | 34 | 1941 | 63 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 213 | 20 | 37 | 26 | 16 | 213 | 503 | 1758 | 319 | 34 | 1941 | 63 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| PHF Volume: | 218 | 20 | 38 | 27 | 16 | 218 | 514 | 1796 | 326 | 35 | 1983 | 64 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 218 | 20 | 38 | 27 | 16 | 218 | 514 | 1796 | 326 | 35 | 1983 | 64 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 218 | 20 | 38 | 27 | 16 | 218 | 514 | 1796 | 326 | 35 | 1983 | 64 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.95 | 0.90 | 0.90 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 1.00 | 0.35 | 0.65 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 1805 | 602 | 1114 | 3502 | 1900 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.12 | 0.03 | 0.03 | 0.01 | 0.01 | 0.13 | 0.15 | 0.35 | 0.20 | 0.02 | 0.38 | 0.04 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.21 | 0.28 | 0.28 | 0.08 | 0.15 | 0.29 | 0.14 | 0.41 | 0.41 | 0.10 | 0.37 | 0.37 |
| Volume/Cap: | 0.57 | 0.12 | 0.12 | 0.09 | 0.06 | 0.47 | 1.04 | 0.84 | 0.49 | 0.20 | 1.04 | 0.11 |
| Delay/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 44.2 | 36.0 | 103.0 | 35.3 | 26.8 | 50.2 | 70.0 | 25.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 44.4 | 32.8 | 32.8 | 50.9 | 44.2 | 36.0 | 103.0 | 35.3 | 26.8 | 50.2 | 70.0 | 25.1 |
| LOS by Move: | D | C | C | D | D | D | F | D | C | D | E | C |
| HCM2kAvgQ: | 8 | 2 | 2 | 1 | 1 | 7 | 15 | 24 | 9 | 1 | 36 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #23 Antelope Road / Newport Road

Cycle (sec): 115 Critical Vol./Cap.(X): 0.779
Loss Time (sec): 16 Average Delay (sec/veh): 37.1
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 10 | 10 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 563 | 109 | 372 | 32 | 64 | 108 | 238 | 1688 | 713 | 252 | 1511 | 62 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 563 | 109 | 372 | 32 | 64 | 108 | 238 | 1688 | 713 | 252 | 1511 | 62 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 593 | 115 | 392 | 34 | 67 | 114 | 251 | 1777 | 751 | 265 | 1591 | 65 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 593 | 115 | 392 | 34 | 67 | 114 | 251 | 1777 | 751 | 265 | 1591 | 65 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 593 | 115 | 392 | 34 | 67 | 114 | 251 | 1777 | 751 | 265 | 1591 | 65 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.03 | 0.24 | 0.01 | 0.02 | 0.07 | 0.07 | 0.34 | 0.46 | 0.08 | 0.31 | 0.04 |
| Crit Moves: | | | **** | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.25 | 0.29 | 0.29 | 0.09 | 0.13 | 0.13 | 0.11 | 0.40 | 0.65 | 0.09 | 0.38 | 0.38 |
| Volume/Cap: | 0.69 | 0.11 | 0.84 | 0.11 | 0.15 | 0.55 | 0.67 | 0.86 | 0.72 | 0.86 | 0.81 | 0.11 |
| Delay/Veh: | 41.5 | 30.2 | 51.9 | 48.6 | 44.8 | 50.5 | 53.8 | 35.5 | 15.9 | 72.5 | 34.5 | 23.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 41.5 | 30.2 | 51.9 | 48.6 | 44.8 | 50.5 | 53.8 | 35.5 | 15.9 | 72.5 | 34.5 | 23.2 |
| LOS by Move: | D | C | D | D | D | D | D | D | B | E | C | C |
| HCM2kAvgQ: | 11 | 2 | 16 | 1 | 1 | 5 | 6 | 24 | 18 | 7 | 20 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #24 Antelope Road / Scott Road

Cycle (sec): 115 Critical Vol./Cap.(X): 0.792
Loss Time (sec): 16 Average Delay (sec/veh): 43.1
Optimal Cycle: OPTIMIZED Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 1 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 384 | 336 | 188 | 158 | 121 | 325 | 414 | 1444 | 420 | 152 | 1223 | 150 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 384 | 336 | 188 | 158 | 121 | 325 | 414 | 1444 | 420 | 152 | 1223 | 150 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| PHF Volume: | 389 | 340 | 190 | 160 | 122 | 329 | 419 | 1462 | 425 | 154 | 1238 | 152 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 389 | 340 | 190 | 160 | 122 | 329 | 419 | 1462 | 425 | 154 | 1238 | 152 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 389 | 340 | 190 | 160 | 122 | 329 | 419 | 1462 | 425 | 154 | 1238 | 152 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.95 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 1805 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.18 | 0.12 | 0.05 | 0.03 | 0.20 | 0.12 | 0.28 | 0.26 | 0.09 | 0.24 | 0.09 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.13 | 0.32 | 0.32 | 0.10 | 0.29 | 0.29 | 0.15 | 0.34 | 0.34 | 0.10 | 0.30 | 0.30 |
| Volume/Cap: | 0.83 | 0.56 | 0.37 | 0.47 | 0.12 | 0.71 | 0.82 | 0.83 | 0.78 | 0.83 | 0.81 | 0.32 |
| Delay/Veh: | 60.7 | 33.3 | 30.4 | 50.1 | 30.3 | 41.8 | 58.2 | 38.6 | 41.2 | 77.0 | 40.8 | 31.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 60.7 | 33.3 | 30.4 | 50.1 | 30.3 | 41.8 | 58.2 | 38.6 | 41.2 | 77.0 | 40.8 | 31.9 |
| LOS by Move: | E | C | C | D | C | D | E | D | D | E | D | C |
| HCM2kAvgQ: | 9 | 10 | 5 | 3 | 2 | 12 | 10 | 20 | 15 | 8 | 17 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.825
Loss Time (sec): 16 | Average Delay (sec/veh): 47.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | | Ovl | | | Include | | | Ovl | | | Include | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 381 | 864 | 594 | 130 | 712 | 103 | 188 | 1676 | 512 | 667 | 1236 | 218 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 381 | 864 | 594 | 130 | 712 | 103 | 188 | 1676 | 512 | 667 | 1236 | 218 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.18 | 0.39 | 0.04 | 0.14 | 0.07 | 0.06 | 0.26 | 0.33 | 0.20 | 0.19 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.27 | 0.47 | 0.12 | 0.28 | 0.28 | 0.11 | 0.28 | 0.39 | 0.20 | 0.37 | 0.37 |
| Volume/Cap: | 0.99 | 0.65 | 0.82 | 0.32 | 0.53 | 0.24 | 0.51 | 0.93 | 0.86 | 0.99 | 0.51 | 0.39 |
| Delay/Veh: | 96.4 | 39.9 | 34.5 | 48.8 | 37.2 | 34.1 | 51.4 | 50.8 | 44.6 | 80.4 | 29.9 | 28.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 96.4 | 39.9 | 34.5 | 48.8 | 37.2 | 34.1 | 51.4 | 50.8 | 44.6 | 80.4 | 29.9 | 28.6 |
| LOS by Move: | F | D | C | D | D | C | D | D | D | F | C | C |
| HCM2kAvgQ: | 12 | 12 | 22 | 3 | 9 | 3 | 4 | 21 | 21 | 19 | 10 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.809 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 45.6 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 209 | 867 | 49 | 962 | 797 | 297 | 350 | 959 | 241 | 42 | 713 | 804 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 209 | 867 | 49 | 962 | 797 | 297 | 350 | 959 | 241 | 42 | 713 | 804 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.17 | 0.03 | 0.28 | 0.16 | 0.19 | 0.10 | 0.19 | 0.15 | 0.01 | 0.14 | 0.51 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.18 | 0.18 | 0.30 | 0.38 | 0.38 | 0.11 | 0.29 | 0.29 | 0.09 | 0.28 | 0.57 |
| Volume/Cap: | 0.57 | 0.95 | 0.17 | 0.95 | 0.42 | 0.51 | 0.95 | 0.65 | 0.52 | 0.14 | 0.52 | 0.89 |
| Delay/Veh: | 53.1 | 65.9 | 41.7 | 57.3 | 28.0 | 29.6 | 85.2 | 37.9 | 36.3 | 50.6 | 37.1 | 33.3 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.1 | 65.9 | 41.7 | 57.3 | 28.0 | 29.6 | 85.2 | 37.9 | 36.3 | 50.6 | 37.1 | 33.3 |
| LOS by Move: | D | E | D | E | C | C | F | D | D | D | D | C |
| HCM2kAvgQ: | 5 | 16 | 2 | 23 | 8 | 9 | 10 | 12 | 8 | 1 | 9 | 30 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #27 Menifee Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.691 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 39.8 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Ovl | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 28 | 28 | 10 | 28 | 28 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 238 | 679 | 377 | 103 | 356 | 754 | 780 | 885 | 131 | 161 | 669 | 78 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 238 | 679 | 377 | 103 | 356 | 754 | 780 | 885 | 131 | 161 | 669 | 78 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 251 | 715 | 397 | 108 | 375 | 794 | 821 | 932 | 138 | 169 | 704 | 82 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 251 | 715 | 397 | 108 | 375 | 794 | 821 | 932 | 138 | 169 | 704 | 82 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 251 | 715 | 397 | 108 | 375 | 794 | 821 | 932 | 138 | 169 | 704 | 82 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.20 | 0.25 | 0.03 | 0.10 | 0.49 | 0.23 | 0.18 | 0.09 | 0.05 | 0.14 | 0.05 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.28 | 0.41 | 0.08 | 0.28 | 0.55 | 0.28 | 0.37 | 0.37 | 0.13 | 0.23 | 0.23 |
| Volume/Cap: | 0.86 | 0.72 | 0.60 | 0.37 | 0.38 | 0.89 | 0.85 | 0.48 | 0.23 | 0.36 | 0.58 | 0.22 |
| Delay/Veh: | 75.9 | 41.9 | 29.4 | 52.8 | 35.4 | 35.3 | 48.6 | 28.8 | 25.9 | 47.8 | 41.5 | 37.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 75.9 | 41.9 | 29.4 | 52.8 | 35.4 | 35.3 | 48.6 | 28.8 | 25.9 | 47.8 | 41.5 | 37.4 |
| LOS by Move: | E | D | C | D | D | D | D | C | C | D | D | D |
| HCM2kAvgQ: | 7 | 14 | 12 | 2 | 6 | 29 | 17 | 10 | 3 | 3 | 9 | 2 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #28 Menifee Road / Holland Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 100 | Critical Vol./Cap.(X): | 0.552 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 33.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 10 | 10 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 79 | 989 | 92 | 76 | 158 | 116 | 187 | 655 | 139 | 26 | 295 | 148 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 79 | 989 | 92 | 76 | 158 | 116 | 187 | 655 | 139 | 26 | 295 | 148 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 83 | 1041 | 97 | 80 | 166 | 122 | 197 | 689 | 146 | 27 | 311 | 156 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 83 | 1041 | 97 | 80 | 166 | 122 | 197 | 689 | 146 | 27 | 311 | 156 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 83 | 1041 | 97 | 80 | 166 | 122 | 197 | 689 | 146 | 27 | 311 | 156 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.02 | 0.29 | 0.06 | 0.02 | 0.05 | 0.08 | 0.06 | 0.19 | 0.09 | 0.01 | 0.09 | 0.10 |
| Crit Moves: | | **** | | **** | | | **** | | | | | **** |
| Green/Cycle: | 0.14 | 0.37 | 0.37 | 0.10 | 0.33 | 0.33 | 0.10 | 0.24 | 0.24 | 0.13 | 0.27 | 0.27 |
| Volume/Cap: | 0.17 | 0.78 | 0.16 | 0.23 | 0.14 | 0.23 | 0.56 | 0.79 | 0.37 | 0.06 | 0.32 | 0.36 |
| Delay/Veh: | 38.2 | 30.9 | 21.2 | 41.8 | 23.5 | 24.4 | 45.0 | 40.2 | 32.1 | 38.5 | 29.3 | 30.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 38.2 | 30.9 | 21.2 | 41.8 | 23.5 | 24.4 | 45.0 | 40.2 | 32.1 | 38.5 | 29.3 | 30.0 |
| LOS by Move: | D | C | C | D | C | C | D | D | C | D | C | C |
| HCM2kAvgQ: | 1 | 17 | 2 | 1 | 2 | 3 | 4 | 12 | 4 | 0 | 4 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #29 Menifee Road / Garbani Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 90 | Critical Vol./Cap.(X): | 0.634 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 37.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 24 | 24 | 10 | 24 | 24 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 301 | 785 | 26 | 9 | 151 | 116 | 332 | 84 | 423 | 46 | 214 | 40 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 301 | 785 | 26 | 9 | 151 | 116 | 332 | 84 | 423 | 46 | 214 | 40 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 317 | 826 | 27 | 9 | 159 | 122 | 349 | 88 | 445 | 48 | 225 | 42 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 317 | 826 | 27 | 9 | 159 | 122 | 349 | 88 | 445 | 48 | 225 | 42 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 317 | 826 | 27 | 9 | 159 | 122 | 349 | 88 | 445 | 48 | 225 | 42 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.09 | 0.23 | 0.02 | 0.00 | 0.04 | 0.08 | 0.10 | 0.02 | 0.28 | 0.01 | 0.06 | 0.03 |
| Crit Moves: | | **** | | **** | | | | | **** | **** | | |
| Green/Cycle: | 0.11 | 0.27 | 0.27 | 0.11 | 0.27 | 0.27 | 0.12 | 0.33 | 0.33 | 0.11 | 0.32 | 0.32 |
| Volume/Cap: | 0.80 | 0.84 | 0.06 | 0.02 | 0.16 | 0.28 | 0.84 | 0.07 | 0.84 | 0.12 | 0.19 | 0.08 |
| Delay/Veh: | 50.2 | 37.5 | 24.3 | 35.7 | 25.1 | 26.3 | 53.1 | 20.9 | 39.6 | 36.2 | 22.3 | 21.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.2 | 37.5 | 24.3 | 35.7 | 25.1 | 26.3 | 53.1 | 20.9 | 39.6 | 36.2 | 22.3 | 21.4 |
| LOS by Move: | D | D | C | D | C | C | D | C | D | D | C | C |
| HCM2kAvgQ: | 7 | 14 | 1 | 0 | 2 | 3 | 7 | 1 | 14 | 1 | 2 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #30 Menifee Road / Scott Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.788
Loss Time (sec): 16 | Average Delay (sec/veh): 45.1
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 27 | 27 | 10 | 27 | 27 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 268 | 439 | 480 | 236 | 418 | 86 | 246 | 1114 | 516 | 495 | 766 | 436 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 268 | 439 | 480 | 236 | 418 | 86 | 246 | 1114 | 516 | 495 | 766 | 436 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 280 | 459 | 502 | 247 | 437 | 90 | 257 | 1164 | 539 | 517 | 800 | 456 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 280 | 459 | 502 | 247 | 437 | 90 | 257 | 1164 | 539 | 517 | 800 | 456 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 280 | 459 | 502 | 247 | 437 | 90 | 257 | 1164 | 539 | 517 | 800 | 456 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.08 | 0.13 | 0.31 | 0.07 | 0.12 | 0.06 | 0.07 | 0.22 | 0.33 | 0.15 | 0.15 | 0.28 |
| Crit Moves: | **** | | | | **** | | | | **** | **** | | |
| Green/Cycle: | 0.08 | 0.24 | 0.39 | 0.12 | 0.28 | 0.28 | 0.12 | 0.35 | 0.35 | 0.16 | 0.39 | 0.39 |
| Volume/Cap: | 0.95 | 0.53 | 0.79 | 0.58 | 0.44 | 0.20 | 0.63 | 0.64 | 0.95 | 0.95 | 0.39 | 0.72 |
| Delay/Veh: | 93.5 | 40.6 | 38.7 | 51.8 | 36.2 | 33.6 | 53.9 | 33.3 | 63.5 | 76.5 | 26.4 | 35.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 93.5 | 40.6 | 38.7 | 51.8 | 36.2 | 33.6 | 53.9 | 33.3 | 63.5 | 76.5 | 26.4 | 35.0 |
| LOS by Move: | F | D | D | D | D | C | D | C | E | E | C | C |
| HCM2kAvgQ: | 9 | 8 | 18 | 5 | 7 | 3 | 6 | 14 | 24 | 14 | 8 | 15 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #31 Lindenberger Road / Newport Road

Cycle (sec): 90 Critical Vol./Cap.(X): 0.297
Loss Time (sec): 12 Average Delay (sec/veh): 21.7
Optimal Cycle: OPTIMIZED Level Of Service: C

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Split Phase | | | Split Phase | | | Protected | | | Permitted | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 0 | 0 | 0 | 35 | 0 | 35 | 10 | 10 | 0 | 0 | 26 | 26 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 0 0 | 0 | 0 0 | 1 0 | 1! 0 | 1 | 2 0 | 3 0 | 0 | 0 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 0 | 0 | 0 | 37 | 0 | 200 | 334 | 1148 | 0 | 0 | 673 | 38 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 0 | 0 | 0 | 37 | 0 | 200 | 334 | 1148 | 0 | 0 | 673 | 38 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 0 | 0 | 0 | 39 | 0 | 210 | 351 | 1207 | 0 | 0 | 708 | 40 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 0 | 0 | 0 | 39 | 0 | 210 | 351 | 1207 | 0 | 0 | 708 | 40 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 0 | 0 | 0 | 39 | 0 | 210 | 351 | 1207 | 0 | 0 | 708 | 40 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 1.00 | 1.00 | 1.00 | 0.87 | 1.00 | 0.87 | 0.92 | 0.91 | 1.00 | 1.00 | 0.91 | 0.85 |
| Lanes: | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 1.84 | 2.00 | 3.00 | 0.00 | 0.00 | 3.00 | 1.00 |
| Final Sat.: | 0 | 0 | 0 | 1902 | 0 | 3034 | 3502 | 5187 | 0 | 0 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.10 | 0.23 | 0.00 | 0.00 | 0.14 | 0.02 |
| Crit Moves: | | | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.39 | 0.19 | 0.48 | 0.00 | 0.00 | 0.29 | 0.29 |
| Volume/Cap: | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.18 | 0.53 | 0.49 | 0.00 | 0.00 | 0.47 | 0.09 |
| Delay/Veh: | 0.0 | 0.0 | 0.0 | 17.2 | 0.0 | 18.1 | 33.7 | 16.1 | 0.0 | 0.0 | 26.6 | 23.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 0.0 | 0.0 | 0.0 | 17.2 | 0.0 | 18.1 | 33.7 | 16.1 | 0.0 | 0.0 | 26.6 | 23.4 |
| LOS by Move: | A | A | A | B | A | B | C | B | A | A | C | C |
| HCM2kAvgQ: | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 8 | 0 | 0 | 6 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #32 Briggs Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 110 | Critical Vol./Cap.(X): | 0.826 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 44.3 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 201 | 40 | 41 | 76 | 28 | 712 | 433 | 1967 | 194 | 40 | 1467 | 32 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 201 | 40 | 41 | 76 | 28 | 712 | 433 | 1967 | 194 | 40 | 1467 | 32 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 212 | 42 | 43 | 80 | 29 | 749 | 456 | 2071 | 204 | 42 | 1544 | 34 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 212 | 42 | 43 | 80 | 29 | 749 | 456 | 2071 | 204 | 42 | 1544 | 34 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 212 | 42 | 43 | 80 | 29 | 749 | 456 | 2071 | 204 | 42 | 1544 | 34 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.01 | 0.03 | 0.02 | 0.01 | 0.46 | 0.13 | 0.30 | 0.13 | 0.01 | 0.22 | 0.02 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.09 | 0.22 | 0.22 | 0.22 | 0.35 | 0.51 | 0.15 | 0.32 | 0.41 | 0.09 | 0.26 | 0.26 |
| Volume/Cap: | 0.66 | 0.05 | 0.12 | 0.10 | 0.02 | 0.92 | 0.86 | 0.94 | 0.31 | 0.13 | 0.86 | 0.08 |
| Delay/Veh: | 53.6 | 33.6 | 34.3 | 34.1 | 23.1 | 40.4 | 59.5 | 45.4 | 22.3 | 46.2 | 43.6 | 31.0 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.6 | 33.6 | 34.3 | 34.1 | 23.1 | 40.4 | 59.5 | 45.4 | 22.3 | 46.2 | 43.6 | 31.0 |
| LOS by Move: | D | C | C | C | C | D | E | D | C | D | D | C |
| HCM2kAvgQ: | 5 | 1 | 1 | 1 | 0 | 28 | 11 | 23 | 5 | 1 | 17 | 1 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #33 Briggs Road / Scott Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.437 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 33.9 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Include | | | Include | | | Include | | |
| Min. Green: | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 24 | 24 | 10 | 24 | 24 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 2 0 | 1 | 2 0 | 2 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 26 | 2 | 3 | 8 | 1 | 17 | 27 | 1784 | 31 | 4 | 1569 | 5 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 26 | 2 | 3 | 8 | 1 | 17 | 27 | 1784 | 31 | 4 | 1569 | 5 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| PHF Volume: | 27 | 2 | 3 | 8 | 1 | 18 | 28 | 1862 | 32 | 4 | 1638 | 5 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 27 | 2 | 3 | 8 | 1 | 18 | 28 | 1862 | 32 | 4 | 1638 | 5 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 27 | 2 | 3 | 8 | 1 | 18 | 28 | 1862 | 32 | 4 | 1638 | 5 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.95 | 0.85 | 0.92 | 0.95 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 |
| Final Sat.: | 3502 | 3610 | 1615 | 3502 | 3610 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.36 | 0.02 | 0.00 | 0.32 | 0.00 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.08 | 0.28 | 0.28 | 0.08 | 0.28 | 0.28 | 0.11 | 0.43 | 0.43 | 0.08 | 0.40 | 0.40 |
| Volume/Cap: | 0.09 | 0.00 | 0.01 | 0.03 | 0.00 | 0.04 | 0.08 | 0.84 | 0.05 | 0.01 | 0.79 | 0.01 |
| Delay/Veh: | 50.9 | 31.6 | 31.6 | 50.6 | 31.5 | 31.9 | 48.4 | 34.1 | 20.3 | 50.5 | 33.4 | 21.5 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 50.9 | 31.6 | 31.6 | 50.6 | 31.5 | 31.9 | 48.4 | 34.1 | 20.3 | 50.5 | 33.4 | 21.5 |
| LOS by Move: | D | C | C | D | C | C | D | C | C | D | C | C |
| HCM2kAvgQ: | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 1 | 0 | 21 | 0 |

Note: Queue reported is the number of cars per lane.

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# APPENDIX 7.8

General Plan EDC Alternative (Post-2035) Intersection Peak Hour Analysis, With Improvements

Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 105 | Critical Vol./Cap.(X): 0.564
Loss Time (sec): 16 | Average Delay (sec/veh): 34.7
Optimal Cycle: OPTIMIZED | Level Of Service: C

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Ovl | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 2 | 1 | 0 2 | 0 | 1 | 2 | 0 3 | 0 | 1 | 2 | 0 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 89 | 52 | 524 | | 151 | 63 | 17 | | 57 | 1088 | 106 | | 621 | 994 | 80 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 89 | 52 | 524 | | 151 | 63 | 17 | | 57 | 1088 | 106 | | 621 | 994 | 80 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 94 | 55 | 552 | | 159 | 66 | 18 | | 60 | 1145 | 112 | | 654 | 1046 | 84 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.75 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 2.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 2842 | | 1805 | 3610 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.02 | 0.19 | | 0.09 | 0.02 | 0.01 | | 0.02 | 0.22 | 0.07 | | 0.19 | 0.20 | 0.05 | |
| Crit Moves: | **** | | | | | **** | | | | **** | | | **** | | | |
| Green/Cycle: | 0.10 | 0.17 | 0.40 | | 0.17 | 0.25 | 0.25 | | 0.16 | 0.27 | 0.27 | | 0.23 | 0.34 | 0.34 | |
| Volume/Cap: | 0.54 | 0.09 | 0.48 | | 0.51 | 0.07 | 0.04 | | 0.11 | 0.81 | 0.25 | | 0.81 | 0.59 | 0.15 | |
| Delay/Veh: | 48.9 | 36.7 | 23.6 | | 41.0 | 30.3 | 30.1 | | 37.6 | 39.1 | 30.1 | | 44.2 | 28.9 | 24.0 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 48.9 | 36.7 | 23.6 | | 41.0 | 30.3 | 30.1 | | 37.6 | 39.1 | 30.1 | | 44.2 | 28.9 | 24.0 | |
| LOS by Move: | D | D | C | | D | C | C | | D | D | C | | D | C | C | |
| HCM2kAvgQ: | 4 | 1 | 8 | | 5 | 1 | 0 | | 1 | 15 | 3 | | 12 | 11 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.621
Loss Time (sec): 16 | Average Delay (sec/veh): 55.8
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.25 | 0.19 | 0.24 | 0.20 | 0.16 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.20 | 0.33 | 0.52 | 0.08 | 0.20 | 0.20 | 0.11 | 0.26 | 0.46 | 0.20 | 0.35 | 0.35 |
| Volume/Cap: | 0.28 | 0.08 | 0.36 | 0.32 | 0.14 | 0.13 | 0.26 | 0.96 | 0.42 | 1.19 | 0.58 | 0.46 |
| Delay/Veh: | 40.5 | 28.1 | 16.9 | 52.5 | 39.3 | 39.3 | 49.1 | 56.6 | 21.9 | 146.9 | 32.4 | 31.1 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 40.5 | 28.1 | 16.9 | 52.5 | 39.3 | 39.3 | 49.1 | 56.6 | 21.9 | 146.9 | 32.4 | 31.1 |
| LOS by Move: | D | C | B | D | D | D | D | E | C | F | C | C |
| HCM2kAvgQ: | 3 | 1 | 7 | 2 | 2 | 1 | 2 | 22 | 8 | 27 | 12 | 8 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH ADDITIONAL MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 95 | Critical Vol./Cap.(X): | 0.686 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 26.5 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | C |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | | Ovl | | | Include | | | Ovl | | | Include | |
| Min. Green: | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 190 | 47 | 513 | 90 | 51 | 42 | 95 | 1626 | 298 | 791 | 1312 | 247 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 200 | 49 | 540 | 95 | 54 | 44 | 100 | 1712 | 314 | 833 | 1381 | 260 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.03 | 0.19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.25 | 0.19 | 0.24 | 0.20 | 0.16 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.11 | 0.11 | 0.40 | 0.11 | 0.11 | 0.11 | 0.15 | 0.33 | 0.43 | 0.29 | 0.47 | 0.47 |
| Volume/Cap: | 0.54 | 0.25 | 0.47 | 0.26 | 0.27 | 0.26 | 0.19 | 0.76 | 0.45 | 0.81 | 0.43 | 0.34 |
| Delay/Veh: | 42.0 | 39.7 | 21.4 | 39.5 | 39.9 | 39.9 | 35.4 | 30.2 | 19.5 | 35.8 | 16.8 | 16.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 42.0 | 39.7 | 21.4 | 39.5 | 39.9 | 39.9 | 35.4 | 30.2 | 19.5 | 35.8 | 16.8 | 16.2 |
| LOS by Move: | D | D | C | D | D | D | D | C | B | D | B | B |
| HCM2kAvgQ: | 4 | 2 | 7 | 2 | 2 | 1 | 1 | 14 | 7 | 14 | 7 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.804 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 46.7 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 2 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 572 | 535 | 868 | 370 | 691 | 172 | 193 | 1533 | 397 | 502 | 1706 | 171 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 572 | 535 | 868 | 370 | 691 | 172 | 193 | 1533 | 397 | 502 | 1706 | 171 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 602 | 563 | 914 | 389 | 727 | 181 | 203 | 1614 | 418 | 528 | 1796 | 180 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 602 | 563 | 914 | 389 | 727 | 181 | 203 | 1614 | 418 | 528 | 1796 | 180 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 602 | 563 | 914 | 389 | 727 | 181 | 203 | 1614 | 418 | 528 | 1796 | 180 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.75 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 2.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 2842 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.17 | 0.11 | 0.32 | 0.11 | 0.14 | 0.11 | 0.06 | 0.23 | 0.26 | 0.15 | 0.26 | 0.11 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.27 | 0.42 | 0.18 | 0.28 | 0.28 | 0.10 | 0.28 | 0.44 | 0.15 | 0.32 | 0.32 |
| Volume/Cap: | 1.02 | 0.40 | 0.77 | 0.64 | 0.51 | 0.41 | 0.59 | 0.85 | 0.58 | 1.02 | 0.80 | 0.34 |
| Delay/Veh: | 91.9 | 36.2 | 33.3 | 48.1 | 37.0 | 36.1 | 54.5 | 44.9 | 26.3 | 95.7 | 39.1 | 31.2 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 91.9 | 36.2 | 33.3 | 48.1 | 37.0 | 36.1 | 54.5 | 44.9 | 26.3 | 95.7 | 39.1 | 31.2 |
| LOS by Move: | F | D | C | D | D | D | D | D | C | F | D | C |
| HCM2kAvgQ: | 17 | 6 | 18 | 8 | 8 | 6 | 5 | 18 | 12 | 15 | 18 | 5 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
AM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.617
Loss Time (sec): 16 | Average Delay (sec/veh): 40.0
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T | - R | | L - T | - R | | L - T | - R | | L - T | - R | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 2 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 175 | 658 | 39 | 596 | 670 | 431 | 622 | 674 | 153 | 17 | 784 | 1150 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 175 | 658 | 39 | 596 | 670 | 431 | 622 | 674 | 153 | 17 | 784 | 1150 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 184 | 693 | 41 | 627 | 705 | 454 | 655 | 709 | 161 | 18 | 825 | 1211 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.75 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 2.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 2842 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.05 | 0.13 | 0.03 | 0.18 | 0.14 | 0.28 | 0.19 | 0.14 | 0.10 | 0.01 | 0.16 | 0.43 |
| Crit Moves: | **** | | | | **** | | **** | | | | **** | |
| Green/Cycle: | 0.08 | 0.16 | 0.16 | 0.21 | 0.29 | 0.51 | 0.22 | 0.38 | 0.38 | 0.11 | 0.28 | 0.49 |
| Volume/Cap: | 0.63 | 0.83 | 0.16 | 0.83 | 0.47 | 0.55 | 0.86 | 0.36 | 0.26 | 0.04 | 0.58 | 0.87 |
| Delay/Veh: | 57.6 | 56.1 | 43.7 | 53.0 | 35.1 | 21.0 | 55.3 | 27.1 | 26.1 | 47.4 | 38.1 | 33.4 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 57.6 | 56.1 | 43.7 | 53.0 | 35.1 | 21.0 | 55.3 | 27.1 | 26.1 | 47.4 | 38.1 | 33.4 |
| LOS by Move: | E | E | D | D | D | C | E | C | C | D | D | C |
| HCM2kAvgQ: | 4 | 11 | 1 | 14 | 8 | 12 | 15 | 7 | 4 | 0 | 10 | 25 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Bradley Road / McCall Boulevard

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.708
Loss Time (sec): 16 | Average Delay (sec/veh): 45.4
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | | South Bound | | | | East Bound | | | | West Bound | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L | - T | - R | | L | - T | - R | | L | - T | - R | | L | - T | - R | |
| Control: | Protected | | | | Protected | | | | Protected | | | | Protected | | | |
| Rights: | Ovl | | | | Include | | | | Include | | | | Include | | | |
| Min. Green: | 10 | 10 | 10 | | 10 | 26 | 26 | | 10 | 21 | 21 | | 10 | 21 | 21 | |
| Y+R: | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Lanes: | 1 | 0 2 | 0 | 2 | 1 | 0 2 | 0 | 1 | 2 | 0 3 | 0 | 1 | 2 | 0 3 | 0 | 1 |
| Volume Module: | | | | | | | | | | | | | | | | |
| Base Vol: | 125 | 80 | 917 | | 296 | 91 | 53 | | 70 | 1420 | 103 | | 755 | 1500 | 93 | |
| Growth Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Initial Bse: | 125 | 80 | 917 | | 296 | 91 | 53 | | 70 | 1420 | 103 | | 755 | 1500 | 93 | |
| User Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| PHF Adj: | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | | 0.95 | 0.95 | 0.95 | |
| PHF Volume: | 131 | 84 | 963 | | 311 | 96 | 56 | | 74 | 1492 | 108 | | 793 | 1576 | 98 | |
| Reduct Vol: | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Reduced Vol: | 131 | 84 | 963 | | 311 | 96 | 56 | | 74 | 1492 | 108 | | 793 | 1576 | 98 | |
| PCE Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| MLF Adj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| FinalVolume: | 131 | 84 | 963 | | 311 | 96 | 56 | | 74 | 1492 | 108 | | 793 | 1576 | 98 | |
| Saturation Flow Module: | | | | | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | | 1900 | 1900 | 1900 | |
| Adjustment: | 0.95 | 0.95 | 0.75 | | 0.95 | 0.95 | 0.85 | | 0.92 | 0.91 | 0.85 | | 0.92 | 0.91 | 0.85 | |
| Lanes: | 1.00 | 2.00 | 2.00 | | 1.00 | 2.00 | 1.00 | | 2.00 | 3.00 | 1.00 | | 2.00 | 3.00 | 1.00 | |
| Final Sat.: | 1805 | 3610 | 2842 | | 1805 | 3610 | 1615 | | 3502 | 5187 | 1615 | | 3502 | 5187 | 1615 | |
| Capacity Analysis Module: | | | | | | | | | | | | | | | | |
| Vol/Sat: | 0.07 | 0.02 | 0.34 | | 0.17 | 0.03 | 0.03 | | 0.02 | 0.29 | 0.07 | | 0.23 | 0.30 | 0.06 | |
| Crit Moves: | **** | | | | | **** | | | | **** | | | **** | | | |
| Green/Cycle: | 0.08 | 0.12 | 0.37 | | 0.18 | 0.22 | 0.22 | | 0.12 | 0.32 | 0.32 | | 0.25 | 0.44 | 0.44 | |
| Volume/Cap: | 0.87 | 0.20 | 0.92 | | 0.95 | 0.12 | 0.16 | | 0.17 | 0.91 | 0.21 | | 0.91 | 0.68 | 0.14 | |
| Delay/Veh: | 93.3 | 48.0 | 49.0 | | 84.9 | 37.9 | 38.3 | | 47.4 | 47.0 | 30.2 | | 56.7 | 27.4 | 19.8 | |
| User DelAdj: | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | |
| AdjDel/Veh: | 93.3 | 48.0 | 49.0 | | 84.9 | 37.9 | 38.3 | | 47.4 | 47.0 | 30.2 | | 56.7 | 27.4 | 19.8 | |
| LOS by Move: | F | D | D | | F | D | D | | D | D | C | | E | C | B | |
| HCM2kAvgQ: | 7 | 2 | 23 | | 16 | 1 | 2 | | 1 | 23 | 3 | | 18 | 17 | 2 | |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 120 | Critical Vol./Cap.(X): 0.765
Loss Time (sec): 16 | Average Delay (sec/veh): 77.7
Optimal Cycle: OPTIMIZED | Level Of Service: E

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 39 | 39 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.24 | 0.32 | 0.31 | 0.26 | 0.10 |
| Crit Moves: | | **** | | **** | | | | **** | | **** | | |
| Green/Cycle: | 0.26 | 0.33 | 0.52 | 0.08 | 0.14 | 0.14 | 0.11 | 0.26 | 0.52 | 0.20 | 0.35 | 0.35 |
| Volume/Cap: | 0.58 | 0.11 | 0.79 | 0.95 | 0.35 | 0.47 | 0.22 | 0.91 | 0.61 | 1.55 | 0.76 | 0.30 |
| Delay/Veh: | 39.3 | 28.5 | 26.0 | 93.9 | 47.1 | 48.6 | 49.0 | 50.9 | 21.4 | 303.5 | 36.0 | 28.7 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 39.3 | 28.5 | 26.0 | 93.9 | 47.1 | 48.6 | 49.0 | 50.9 | 21.4 | 303.5 | 36.0 | 28.7 |
| LOS by Move: | D | C | C | F | D | D | D | D | C | F | D | C |
| HCM2kAvgQ: | 9 | 2 | 21 | 9 | 3 | 4 | 2 | 20 | 14 | 46 | 17 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH ADDITIONAL MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #13 Haun Road / Newport Road

Cycle (sec): 115 | Critical Vol./Cap.(X): 0.891
Loss Time (sec): 16 | Average Delay (sec/veh): 39.3
Optimal Cycle: OPTIMIZED | Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | | Ovl | | | Include | | | Ovl | | | Include | |
| Min. Green: | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 31 | 31 | 10 | 31 | 31 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 1 0 | 2 | 2 0 | 1 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 512 | 67 | 1122 | 264 | 90 | 103 | 80 | 1556 | 491 | 1036 | 1736 | 160 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 537 | 70 | 1177 | 277 | 94 | 108 | 84 | 1633 | 515 | 1087 | 1822 | 168 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 1.00 | 0.75 | 0.92 | 1.00 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 1900 | 2842 | 3502 | 1900 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.15 | 0.04 | 0.41 | 0.08 | 0.05 | 0.07 | 0.02 | 0.24 | 0.32 | 0.31 | 0.26 | 0.10 |
| Crit Moves: | **** | | | | | **** | | **** | | **** | | |
| Green/Cycle: | 0.17 | 0.14 | 0.48 | 0.12 | 0.09 | 0.09 | 0.15 | 0.27 | 0.44 | 0.34 | 0.46 | 0.46 |
| Volume/Cap: | 0.92 | 0.27 | 0.87 | 0.68 | 0.57 | 0.77 | 0.16 | 0.88 | 0.73 | 0.92 | 0.57 | 0.23 |
| Delay/Veh: | 67.0 | 44.9 | 33.4 | 53.6 | 55.2 | 73.8 | 42.9 | 45.2 | 30.7 | 48.1 | 23.1 | 18.9 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 67.0 | 44.9 | 33.4 | 53.6 | 55.2 | 73.8 | 42.9 | 45.2 | 30.7 | 48.1 | 23.1 | 18.9 |
| LOS by Move: | E | D | C | D | E | E | D | D | C | D | C | B |
| HCM2kAvgQ: | 13 | 2 | 24 | 6 | 4 | 6 | 1 | 18 | 16 | 23 | 13 | 4 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #25 Menifee Road / Pinacate Road

| | | | |
|---|---|---|---|
| Cycle (sec): | 120 | Critical Vol./Cap.(X): | 0.825 |
| Loss Time (sec): | 16 | Average Delay (sec/veh): | 46.1 |
| Optimal Cycle: OPTIMIZED | | Level Of Service: | D |

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - | T - | R | L - | T - | R | L - | T - | R | L - | T - | R |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Ovl | | | Include | | | Ovl | | | Include | | |
| Min. Green: | 10 | 10 | 10 | 10 | 33 | 33 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 2 | 2 0 | 3 0 | 1 | 2 0 | 4 0 | 1 | 2 0 | 4 0 | 1 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 381 | 864 | 594 | 130 | 712 | 103 | 188 | 1676 | 512 | 667 | 1236 | 218 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 381 | 864 | 594 | 130 | 712 | 103 | 188 | 1676 | 512 | 667 | 1236 | 218 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| PHF Volume: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 401 | 909 | 625 | 137 | 749 | 108 | 198 | 1764 | 539 | 702 | 1301 | 229 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.75 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 |
| Lanes: | 2.00 | 3.00 | 2.00 | 2.00 | 3.00 | 1.00 | 2.00 | 4.00 | 1.00 | 2.00 | 4.00 | 1.00 |
| Final Sat.: | 3502 | 5187 | 2842 | 3502 | 5187 | 1615 | 3502 | 6916 | 1615 | 3502 | 6916 | 1615 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.11 | 0.18 | 0.22 | 0.04 | 0.14 | 0.07 | 0.06 | 0.26 | 0.33 | 0.20 | 0.19 | 0.14 |
| Crit Moves: | **** | | | | **** | | | **** | | **** | | |
| Green/Cycle: | 0.12 | 0.26 | 0.47 | 0.13 | 0.28 | 0.28 | 0.11 | 0.28 | 0.39 | 0.20 | 0.37 | 0.37 |
| Volume/Cap: | 0.99 | 0.66 | 0.47 | 0.31 | 0.53 | 0.24 | 0.51 | 0.93 | 0.86 | 0.99 | 0.51 | 0.39 |
| Delay/Veh: | 96.4 | 40.6 | 22.2 | 48.1 | 37.2 | 34.1 | 51.4 | 50.8 | 44.6 | 80.4 | 29.9 | 28.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 96.4 | 40.6 | 22.2 | 48.1 | 37.2 | 34.1 | 51.4 | 50.8 | 44.6 | 80.4 | 29.9 | 28.6 |
| LOS by Move: | F | D | C | D | D | C | D | D | D | F | C | C |
| HCM2kAvgQ: | 12 | 12 | 9 | 3 | 9 | 3 | 4 | 21 | 21 | 19 | 10 | 6 |

Note: Queue reported is the number of cars per lane.

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Menifee General Plan (JN 06944)
Menifee General Plan Alternative 2 WITH MITIGATION
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #26 Menifee Road / McCall Boulevard

Cycle (sec): 120  Critical Vol./Cap.(X): 0.809
Loss Time (sec): 16  Average Delay (sec/veh): 42.9
Optimal Cycle: OPTIMIZED  Level Of Service: D

| Approach: | North Bound | | | South Bound | | | East Bound | | | West Bound | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Movement: | L - T - R | | | L - T - R | | | L - T - R | | | L - T - R | | |
| Control: | Protected | | | Protected | | | Protected | | | Protected | | |
| Rights: | Include | | | Ovl | | | Include | | | Ovl | | |
| Min. Green: | 10 | 10 | 10 | 10 | 35 | 35 | 10 | 33 | 33 | 10 | 33 | 33 |
| Y+R: | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Lanes: | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 1 | 2 0 | 3 0 | 2 |
| Volume Module: | | | | | | | | | | | | |
| Base Vol: | 209 | 867 | 49 | 962 | 797 | 297 | 350 | 959 | 241 | 42 | 713 | 804 |
| Growth Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Initial Bse: | 209 | 867 | 49 | 962 | 797 | 297 | 350 | 959 | 241 | 42 | 713 | 804 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| PHF Volume: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| Reduct Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced Vol: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MLF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| FinalVolume: | 216 | 895 | 51 | 993 | 822 | 307 | 361 | 990 | 249 | 43 | 736 | 830 |
| Saturation Flow Module: | | | | | | | | | | | | |
| Sat/Lane: | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Adjustment: | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.85 | 0.92 | 0.91 | 0.75 |
| Lanes: | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | 2.00 |
| Final Sat.: | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 1615 | 3502 | 5187 | 2842 |
| Capacity Analysis Module: | | | | | | | | | | | | |
| Vol/Sat: | 0.06 | 0.17 | 0.03 | 0.28 | 0.16 | 0.19 | 0.10 | 0.19 | 0.15 | 0.01 | 0.14 | 0.29 |
| Crit Moves: | | **** | | **** | | | **** | | | | **** | |
| Green/Cycle: | 0.11 | 0.18 | 0.18 | 0.30 | 0.38 | 0.48 | 0.11 | 0.29 | 0.29 | 0.09 | 0.28 | 0.57 |
| Volume/Cap: | 0.57 | 0.95 | 0.17 | 0.95 | 0.42 | 0.39 | 0.95 | 0.65 | 0.52 | 0.14 | 0.52 | 0.51 |
| Delay/Veh: | 53.1 | 65.9 | 41.7 | 57.3 | 28.0 | 20.0 | 85.2 | 37.9 | 36.3 | 50.6 | 37.1 | 15.6 |
| User DelAdj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 53.1 | 65.9 | 41.7 | 57.3 | 28.0 | 20.0 | 85.2 | 37.9 | 36.3 | 50.6 | 37.1 | 15.6 |
| LOS by Move: | D | E | D | E | C | C | F | D | D | D | D | B |
| HCM2kAvgQ: | 5 | 16 | 2 | 23 | 8 | 7 | 10 | 12 | 8 | 1 | 9 | 10 |

Note: Queue reported is the number of cars per lane.

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