

**Appendix F1      Transportation Improvement  
Mitigation Program (Granada Hills–  
Knollwood)**





PROPOSED GRANADA HILLS-KNOLLWOOD  
COMMUNITY PLAN  
TRANSPORTATION IMPROVEMENT MITIGATION  
PROGRAM (TIMP)

Submitted by:



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## EX EXECUTIVE SUMMARY

### EX.1 INTRODUCTION

The Granada Hills-Knollwood Transportation Improvement Mitigation Program (TIMP) identifies needed transportation programs and provides recommendations to guide future transportation-related decisions in the proposed Granada Hills-Knollwood Community Plan. The goal of the TIMP is to identify transportation system deficiencies resulting from traffic generated by projected land use patterns, employment and population growth by year 2030, and to recommend mitigation programs to accommodate the forecast demands on the system. Transportation programs include plans for highway and street infrastructure capital improvements, public transit improvements, transportation demand management, transportation system management, and traffic control measures.

This proposed TIMP has been developed through a systematic process that included the following steps:

- Development of a Focused Travel Demand Model for the Granada Hills-Knollwood Area;
- Analysis of 2005 Traffic Conditions (“Existing Traffic Conditions”);
- Year 2030 Current Land Use Plan with Committed Roadway Network (“Current Land Use Plan”);
- Year 2030 Proposed Land Use Plan with Committed Roadway Network (“Proposed Land Use Plan”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative One (“Transportation Alternative One”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Two (“Transportation Alternative Two”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Three (“Transportation Alternative Three”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Four (“Transportation Alternative Four”);
  - Year 2030 Land Use Plan with Preferred Transportation Alternative (“Preferred Alternative”);
- Year 2030 Proposed Land Use Plan with TIMP (“Proposed Plan with TIMP”).

### EX.2 ANALYSIS METHODOLOGY AND IMPACT CRITERIA

The Granada Hills-Knollwood Community Plan Area was evaluated through the use of a travel demand model. This model produces projected volumes on the roadway system, and is based on socio-economic data such as housing, population and jobs; and a roadway network which contains facility types, speeds and capacities. The projected volumes from the model were used to calculate level of service in the Community Plan Area. The analysis covered the PM

peak hour, since trips are generally highest in the PM peak period when retail, entertainment, and tourist trips overlap with commute trips.

Level of service (LOS) is a qualitative measure describing traffic flow conditions. The ranges vary from LOS A at free flow conditions to LOS F at extremely congested conditions. The methodology used to determine the roadway segment (also referred to as “link”) LOS involves the calculation of the volume-to-capacity (V/C) ratio on each of the links.

In order to determine transportation impacts, the following criteria have been developed by the Los Angeles Department of Transportation (LADOT) for use in all Community Plan projects. This is used to determine if there is a significant transportation impact associated with the proposed land use plan that should be mitigated by the proposed TIMP.

The roadway system within the proposed Granada Hills-Knollwood Community Plan area is considered to be significantly impacted if one or both of the following conditions exist:

- The “volume-weighted” average V/C ratio under the Proposed Plan with TIMP conditions for all of the analyzed roadway segments substantially exceeds that of Existing Traffic Conditions; or
- The number of links projected to operate at unsatisfactory levels of service (LOS E or F) under the Proposed Plan with TIMP conditions substantially exceeds the number for Existing Traffic Conditions.

The volume weighted V/C ratio is used in order to obtain aggregate statistics regarding the transportation conditions, allowing a comparison of different scenarios and alternatives. The volume weighted average V/C ratio is calculated by taking the volume of each link and multiplying it by its corresponding V/C ratio. This is divided by the sum of the total volumes, and essentially represents the average V/C ratio for the entire network in Granada Hills-Knollwood.

### EX.3 2005 TRAFFIC CONDITIONS

Existing Traffic Conditions were assessed for the Granada Hills-Knollwood Community Plan Area for the year 2005. **Table EX 1** provides a summary of Existing Traffic Conditions, and includes the daily vehicle miles traveled (VMT), daily vehicle hours of travel (VHT), and overall daily average speed on the streets within the Granada Hills-Knollwood Community Plan Area. VMT is a measure of how much and how far people are driving, and is calculated as the total miles travelled daily within the Community Plan area. The higher the VMT, the more auto travel there is, with related increases in emissions. VHT is a measure of how much time is spent traveling, and is calculated as the total number of hours daily that vehicles spend on the roadways within the Community Plan area. Increasing VHT indicates more time spent in slower-moving, congested streets. A total of approximately three percent (19 of 732 links) of

Granada Hills-Knollwood’s roadways operate at an LOS E or F. The volume-weighted V/C ratio is 0.598; which indicates that on the whole, the streets in the Granada Hills-Knollwood operate at an average of 59.8 percent of capacity in the PM peak hour. This V/C represents LOS A, which represents very good overall operating conditions.

**TABLE EX 1 2005 TRAFFIC CONDITIONS – ARTERIAL SUMMARY**

Existing Traffic Conditions	
VMT	243,454
VHT	5,804
Avg. Speed (mph)	42
Weighted Avg. V/C	0.598
Links at LOS E or F	19
% of Links at LOS E or F	3%

**EX.4 FUTURE CONDITIONS**

Future year 2030 conditions were assessed using the current land use plan, the proposed land use plan, and roadway network alternatives. Information regarding the alternatives analysis can be found in the report, only the Current Land Use Plan and the Proposed Land Use Plan with TIMP is discussed in this summary.

*EX.4.1 YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK*

The 2030 Current Land Use Plan with Committed Roadway Network (Current Land Use Plan) is an analysis of what would occur if no changes were made to the current land use plan. The 2030 Current Land Use Plan with Committed Roadway Network assumes the existing roadway system is in place, along with committed roadway improvements. **Table EX 2** illustrates the Current Land Use Plan Arterial Summary. A total of approximately 14 percent (104 of 724 roadway links) of Granada Hills-Knollwood’s roadways are forecast to operate at an LOS E or F in the Current Land Use Plan scenario. The volume-weighted V/C ratio is 0.898 for the Current Land Use Plan scenario. This indicates that on the whole, the streets in the Granada Hills-Knollwood Community Plan will operate at an average of 89.8 percent of capacity in the PM peak hour. This V/C represents LOS D, which represents fair overall operating conditions.

**TABLE EX 2 YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK –  
ARTERIAL SUMMARY**

Current Land Use Plan Traffic Conditions	
VMT	367,290
VHT	11,329
Avg. Speed (mph)	32
Weighted Avg. V/C	0.898
Links at LOS E or F	104
% of Links at LOS E or F	14%

*EX.4.2 YEAR 2030 PROPOSED LAND USE PLAN WITH TIMP*

The Year 2030 Preferred Transportation Alternative plus the inclusion of the TIMP policies, forms the Year 2030 Proposed Land Use Plan with TIMP (Proposed Land Use Plan with TIMP), plus a combination of Network Alternatives. For this analysis, the 2030 Preferred Transportation Alternative is the same as the Year 2030 Proposed Land Use Plan with TIMP. Under the Proposed Land Use Plan with TIMP, the following changes may potentially occur:

- Addition of angled parking along Chatsworth Street, from Zelzah Avenue to Amestoy Avenue.
- Incorporation of bicycle lanes along Sesnon Boulevard, from Balboa Boulevard to Bradford Place, and bicycle friendly street, from Bradford Place to Aliso Canyon (western community plan boundary). Addition of trails along Sesnon Boulevard, from Cascade Canyon to Aliso Canyon.
- Incorporation of bicycle lanes along San Fernando Mission Boulevard, from I-405 to Louise Avenue, and a bicycle friendly street, from Louise Avenue to Aliso Canyon.
- Incorporation of bicycle lanes along Devonshire Street, from Aliso Canyon to I-405 (eastern community plan boundary).
- Incorporation of bicycle lanes along Balboa Boulevard, from San Fernando Road to Lassen Street.
- Implementation of the adopted City Bicycle Plan, which includes new categories of bikeways, including “Bicycle Friendly Streets”.
- Implementation of the Granada Hills-Knollwood Trail System.

The proposed Granada Hills-Knollwood TIMP consists of the following elements which are examined in detail in the full report:

- Transportation System Management (TSM) Strategies
- Transit Improvements
- Non-Motorized Transportation

- Transportation Demand Management (TDM) Strategies
- Capital Improvements
- Residential Neighborhood Protection Plans.

**Table EX3** shows the Proposed Land Use Plan with TIMP arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of 20 percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (144 of 724 roadway links) in the Proposed Land Use Plan with TIMP. The volume-weighted V/C ratio is 0.952, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 95.2 percent of roadway capacity in the PM peak hour. The V/C ratio is at level of service E, which indicates that overall operating conditions are less than desired.

**TABLE EX 3 YEAR 2030 PROPOSED LAND USE PLAN WITH TIMP – ARTERIAL SUMMARY**

Proposed Land Use Plan with TIMP Traffic Conditions	
VMT	368,535
VHT	11,386
Avg. Speed (mph)	32
Weighted Avg. V/C	0.952
Links at LOS E or F	144
% of Links at LOS E or F	20%

The Proposed Land Use Plan with TIMP shows similar transportation conditions in the Granada Hills-Knollwood Community Plan Area as compared to the Current Land Use Plan. The 2030 analyses showed higher VMT, VHT, V/C and number of links at E or F than the Existing Traffic Conditions. The roadway link level of service analysis and aggregate statistics, such as vehicle miles of travel (VMT) show little variation between the Proposed Land Use Plan with TIMP and the Current Land Use Plan. With the relatively limited number of opportunities to provide additional roadway capacity in Granada Hills-Knollwood through the addition of travel lanes, the number of the arterial roadway segments projected to be at capacity in 2030 are similar between all the alternatives that were analyzed. The Proposed Land Use Plan with TIMP also includes some locations of lane reductions in order to accommodate bicycle lanes.

A summary of the roadway link levels of service and aggregate statistics are shown in **Table EX4**. It can be seen that the Proposed Land Use Plan with TIMP shows a very similar VMT, VHT and average speed, but the average V/C is higher than the Current Land Use Plan. Both future scenarios have higher aggregate statistics than the Existing Traffic Conditions.

**TABLE EX 4 SUMMARY –AGGREGATE STATISTICS**

<b>Scenario</b>	<b>VMT</b>	<b>VHT</b>	<b>Avg. Speed</b>	<b>Weighted V/C</b>	<b>Links at LOS E or F</b>	<b>% of Links at LOS E or F</b>
Existing Traffic Conditions	243,454	5,804	42	0.598	19	3%
Current Land Use Plan	367,290	11,329	32	0.898	104	14%
Proposed Land Use Plan with TIMP	368,535	11,386	32	0.952	144	20%

## 1.0 INTRODUCTION

The Granada Hills-Knollwood Transportation Improvement Mitigation Program (TIMP) identifies needed transportation programs and provides recommendations to guide future transportation-related decisions in the proposed Granada Hills-Knollwood Community Plan. The goal of the TIMP is to identify transportation system deficiencies resulting from traffic generated by projected land use patterns, employment and population growth by year 2030, and to recommend mitigation programs to accommodate the forecast demands on the system. Transportation programs include plans for highway and street infrastructure capital improvements, public transit improvements, transportation demand management, transportation system management, and traffic control measures.

### 1.1 STUDY SCOPE

This proposed TIMP has been developed through a systematic process that included the following steps:

- Development of a focused travel demand model for the Granada Hills-Knollwood Area;
- Analysis of 2005 Traffic Conditions (“Existing Traffic Conditions”);
- Year 2030 Current Land Use Plan with Committed Roadway Network (“Current Land Use Plan”);
- Year 2030 Proposed Land Use Plan with Committed Roadway Network (“Proposed Land Use Plan”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative One (“Transportation Alternative One”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Two (“Transportation Alternative Two”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Three (“Transportation Alternative Three”);
  - Year 2030 Interim Land Use Plan with Transportation Network Alternative Four (“Transportation Alternative Four”);
  - Year 2030 Proposed Land use Plan with Preferred Transportation Alternative (“Preferred Alternative”);
- Year 2030 Proposed Land Use Plan with TIMP (“Proposed Plan with TIMP”).

The Southern California Association of Governments (SCAG) regional model was the starting point for development of the Granada Hills-Knollwood travel demand model. The model was refined to better reflect current and future conditions within the Granada Hills-Knollwood Community Plan Area.

The projected horizon for this study is year 2030. The Current Land Use Plan forecast shows the results of the Current Land Use Plan with only the committed future roadway system in place. Additional model runs were made of the Proposed Land Use Plan with the committed future

roadway system in place, along with several network alternatives which used an interim land use plan. These alternatives were used to help develop the proposed TIMP. Finally, the 2030 Proposed Land Use Plan with TIMP model run shows the improvements resulting from recommended mitigation programs.

The following sections present a description of the methodology used to analyze traffic conditions and to determine significant impacts.

## **1.2 CAPACITY AND LEVEL OF SERVICE ANALYSIS METHODOLOGY**

Development proposals that involve large areas which are not expected to be fully implemented until 2030 or beyond (such as Community Plans) are not analyzed effectively by detailed intersection volume/capacity analyses. In cases such as these, roadway segment level of service analyses are sufficient as a means to determine service capacity and projected deficiencies of the roadway network in the community.

Level of Service (LOS) is a qualitative measure used to describe the conditions of traffic, ranging from excellent conditions at LOS A to overloaded conditions at LOS F. LOS definitions for street segments are summarized in **Table 1**. The City of Los Angeles Department of Transportation (LADOT) has established LOS D as a minimum satisfactory level of service. As seen in Table 1, LOS is related to the ratio of traffic demand volume to capacity (V/C) for a street segment.



**TABLE 1 LEVEL OF SERVICE INTERPRETATION**

Level of Service	Description	Volume to Capacity Ratio
A	Excellent operation. All approaches to the intersection appear quite open, turning movements are easily made, and nearly all drivers have freedom of operation.	.00-.60
B	Very good operation. Many drivers begin to feel somewhat restricted within platoons of vehicles. This represents stable flow. An approach to an intersection may occasionally be fully utilized and traffic queues start to form.	.61-.70
C	Good operation. Occasionally drivers may have to wait more than 60 seconds, and back-ups may develop behind turning vehicles. Most drivers feel somewhat restricted.	.71-.80
D	Fair Operation. Cars are sometimes required to wait more than 60 seconds during short peaks. There are no long standing traffic queues. <u>This level is typically associated with design practice for peak periods.</u>	.81-.90
E	Poor operation. Some long-standing vehicular queues develop on critical approaches to intersections. Delays may be up to several minutes.	.91-1.00
F	Forced flow. Represents jammed conditions. Backups from locations downstream or in the cross street may restrict or prevent movement of vehicles out of the intersection approach lanes; therefore, volumes carried are not predictable. Potential for stop and go type traffic flow.	Over 1.00
Source: <i>Highway Capacity Manual</i> , Special Report 209, Transportation Research Board, Washington, D.C., 2000		

**1.3 EFFECTIVENESS OF COMMUNITY PLAN PROGRAM TRANSPORTATION IMPROVEMENT MITIGATION PROGRAM MEASURES**

The LADOT has established that the primary objective of the Community Plan Program Transportation Improvement Mitigation Program (TIMP) is to attempt to mitigate impacts attributable to growth within the Community Plan area. LADOT has adopted Significant Impact Criteria that are utilized in traffic studies for individual development projects that focus on intersection-level analysis. Generally, those criteria are more useful in examining “project-specific” generated impacts and not area-wide forecasted impacts based on generalized increases in population and employment. The transportation analysis in this TIMP is focused on roadway link level of service analysis and aggregate statistics, such as vehicle miles of travel (VMT) associated with 2030 conditions in the Granada Hills-Knollwood Community Plan Area. The following criteria have been developed by LADOT for use in all Community Plan projects to determine the effectiveness and adequacy of the proposed TIMP:

The roadway system within the Granada Hills-Knollwood Community Plan Area is considered to be significantly impacted if one or both of the following conditions exist:

- The “volume-weighted” average of the Volume to Capacity (V/C) ratio under the Year 2030 Proposed Land Use Plan with TIMP conditions for all of the analyzed roadway segments exceeds that of the 2005 Traffic Conditions; or
- The number of roadway links projected to operate at unsatisfactory levels of service (LOS E or F) under the Year 2030 Proposed Land Use Plan with TIMP conditions exceeds the number for 2005 Traffic Conditions.

#### **1.4 CUMULATIVE AND PROJECT-RELATED IMPACTS**

The purpose of the TIMP is to mitigate impacts related to the Year 2030 Proposed Land Use Plan with TIMP as compared to the 2005 Traffic Conditions. Specific project-related traffic impacts are impacts caused by traffic generated as a result of future developments in the study area and not by traffic generated by regional growth. Cumulative impacts are attributable to cumulative traffic growth (including all regional traffic growth) in addition to project traffic that would occur from 2005 to 2030.

#### **1.5 APPLICABLE ADOPTED REGIONAL AND SUBREGIONAL PLANS**

Because of its critical location in Los Angeles, other regional plans have been evaluated in relationship to the Granada Hills-Knollwood TIMP. These plans include:

- SCAG’s 2008 Regional Transportation Plan Update;
- Metro’s Draft 2008 Long-Range Transportation Plan;
- Metro’s Congestion Management Plan;
- SCQAMD Air Quality Management Plan.

#### **1.6 COORDINATION WITH OTHER ON-GOING STUDIES**

The Granada Hills-Knollwood TIMP has been developed with the knowledge that several new or on-going transportation system improvement and subregional studies are currently in progress and may have an impact on the recommendations of the TIMP. The studies that have been identified include the following:

- City of Los Angeles Bicycle Plan;
- Valley Region High School No. 4 (Opened Fall 2011)

The proposed land uses from the latter project listed have been included in the 2030 analyses, and roadway improvements that were identified as mitigation for this project are also included.

## 1.7 ORGANIZATION OF THIS REPORT

The following report summarizes the proposed TIMP developed for the proposed Granada Hills-Knollwood Community Plan, and analyzes the 2005 Traffic Conditions, the Current Land Use Plan and the Proposed Land Use Plan. Both the Current and Proposed Land Use Plans are analyzed for the Year 2030. A list of proposed TIMP measures is presented in Chapter 4. The goal is to evaluate the effects of the proposed TIMP on Year 2030 traffic conditions once the proposed TIMP measures are approved by the Department of City Planning and LADOT.

This chapter presents an introduction to the report and the proposed TIMP, along with the level of service methodology and significance criteria to be applied toward the evaluation of traffic conditions. Chapter 2 presents a summary of 2005 Traffic Conditions, and Chapter 3 presents the Year 2030 conditions without TIMP improvements. The Year 2030 Interim Land Use Plan Transportation Network Alternatives are also presented in Chapter 3. Chapter 4 describes the various transportation improvements within Metro's Long Range Transportation Plan (LRTP), as well as those included in the proposed TIMP. These include proposed street reclassifications, infrastructure (capital) improvements, public transit improvements, transportation systems management (TSM) measures, transportation demand management (TDM) strategies, and neighborhood traffic management options. Chapter 5 discusses the results of the 2030 Proposed Land Use Plan with TIMP forecasts, and finally, Chapter 6 presents the congestion management program transportation impact analysis.

## 2.0 EXISTING CONDITIONS

### 2.1 SETTING AND LAND USE

The Granada Hills-Knollwood Community Plan TIMP study area is located east of Chatsworth and Northridge, south of Santa Susana Mountains, north of Devonshire and Lassen Streets and west of the San Diego Freeway (I-405) and Golden State Freeway (I-5). **Figure 1** shows the regional location of the Granada Hills-Knollwood Community Plan Area in context with the City of Los Angeles and other Neighborhood Community Plans in the City. The Granada Hills-Knollwood Community Plan Area contains approximately 14.15 square miles (9,057 acres), which is about 2.9 percent of the land in the City of Los Angeles, which covers approximately 485.70 square miles. The Granada Hills-Knollwood Community Plan Area is adjacent to Sylmar, Chatsworth-Porter Ranch, Northridge, and Mission Hills- Panorama City North Hills. **Figure 2** shows a detailed view of the Granada Hills-Knollwood Community Plan Area and its boundaries.

The Granada Hills-Knollwood community has close ties to a number of communities including Sylmar, Northridge, Chatsworth-Porter Ranch, and Mission Hills. Probably the most striking feature of Granada Hills-Knollwood from an aerial perspective is its large crown of undeveloped and open space in its northern region, which includes the second largest park in the City, O'Melveny Park. A notable portion of the land in the northern part of the community also hosts public facilities, including a fire station; Department of Water and Power water facilities and power lines; Metropolitan Water District facilities; the Van Norman Dam, which is one of five vital reservoirs bringing water to the City of Los Angeles. Single-family neighborhoods account for a majority of the remaining land, comprising half of the land area in Granada Hills-Knollwood. The residential neighborhoods are varied, with a marked difference in character between the northern and southern portions of the Plan area. The few pockets of multiple-family housing, concentrated in the southern portion of the Plan area and located near commercial centers. Commercial uses are predominately small-scale, with the central business district located along Chatsworth Street, known as the community's "Main Street", and in a few other well-defined commercial areas interspersed throughout the southern portion of the community. It maintains a small-town, rural character. A few smaller commercial centers are dispersed throughout the southeastern portion of the Plan area and include a mix of shops, offices, and facilities providing essential community amenities. Fewer commercial amenities are located in the northern portion of the plan area. The topography is unique because of the contrast between the windy hillside roads of the northern portion of Granada Hills-Knollwood (North of SR-118) the grid-pattern of the major streets and boulevards in southern portion of Granada Hills-Knollwood (South of SR-118). The area is easily accessible via the SR-118 freeway which bisects the community and the I-405 freeway to the east. Other highways that surround the area include I-5 freeway to the northeast.



NOT TO SCALE



**Proposed Granada Hills-Knollwood  
Community Plan TIMP**

**Figure 1  
Regional Location of  
Granada Hills-Knollwood Community Plan Area**



2.2 DEMOGRAPHICS

Census data shows that in 2000 there were 57,255 residents in the Granada Hills-Knollwood Community Plan Area, which made up about 2 percent of the population of the City of Los Angeles. The total land area is approximately 14.15 square miles, which represents a population density of 4,046 persons per square mile. The population density is lower than the citywide average in Los Angeles of 7,607 persons per square mile. According to data supplied by the Los Angeles City Planning Department, the Granada Hills-Knollwood Community Plan Area population is expected to grow by 19 percent from 2000 to 2030 to a resident population of 65,293. This population is based upon the City Planning Department’s SCAG population projects for 2030.

2.2.1 ETHNICITY

Of the varied ethnic groups that reside in the Granada Hills-Knollwood Community Plan Area, White Non-Hispanics comprise the largest demographic with 54 percent of the total population. Hispanics or Latinos comprise the next largest demographic, with 22 percent of the total population, followed by Asian and Pacific Islanders with 16 percent of the total population. **Table 2** below shows a complete breakdown of ethnicities for both Granada Hills-Knollwood and the City of Los Angeles.

**TABLE 2 ETHNICITY OF RESIDENTS**

Ethnicity	Granada Hills-Knollwood	City of Los Angeles
Asian/ Pacific Islander	16%	10%
Black/ African American	4%	11%
Hispanic/Latino	22%	46%
White-Non Hispanic	54%	30%
Other / Multiple Races	4%	3%

*Sources: City of Los Angeles Census 2000 Statistical Profile.*

2.2.2 GENDER, OCCUPATION AND INCOME

According to the 2000 Census Data, the gender of residents is generally evenly divided with females representing slightly more than half the residents (51 percent) of Granada Hills-Knollwood. About 18 percent of the residents live alone and 59 percent are married. The average household size is 2.8 persons across all households and 3.3 persons for family households. Approximately 71 percent of dwelling units are owner occupied, 27 percent are renter occupied, and 2.5 percent are vacant.



Occupations of residents, as shown in **Table 3**, are fairly similar to that of Los Angeles County and the City of Los Angeles except for more Granada Hills-Knollwood residents in management, professional and related occupations than the City or County. Approximately 42 percent of Granada Hills-Knollwood’s residents have management and professional related occupations, and sales and office occupations are the second highest grouping, comprising approximately 32 percent of Granada Hills-Knollwood resident’s occupations.

**TABLE 3 OCCUPATIONS OF RESIDENTS**

Occupation Grouping	% of Residents		
	Granada Hills-Knollwood	Los Angeles City	Los Angeles County
<b>Management, professional, and related occupations</b>	<b>42%</b>	<b>34%</b>	<b>34%</b>
Management, business, financial operations occupations	18%	13%	13%
Professional and related occupations	24%	21%	21%
<b>Service occupations</b>	<b>10%</b>	<b>16%</b>	<b>16%</b>
<b>Sales and office occupations</b>	<b>32%</b>	<b>27%</b>	<b>27%</b>
Sales and related occupations	14%	11%	11%
Office and administrative support occupations	18%	16%	16%
<b>Farming, fishing, and forestry occupations</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Construction, extraction, and maintenance occupations</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>
<b>Production, transportation, and material moving</b>	<b>8%</b>	<b>15%</b>	<b>15%</b>
Production occupations	5%	10%	10%
Transportation and material moving occupations	3%	5%	5%

Source: 2000 Census

The socioeconomic characteristics of the Granada Hills-Knollwood area are summarized in **Table 4**. The 2000 median annual income in the Granada Hills-Knollwood Community Plan Area was \$64,197, which is higher than both the City of Los Angeles and Los Angeles County whose median household income was \$36,687 and \$42,189, respectively.

**TABLE 4 MEDIAN HOUSEHOLD INCOME**

Census Area	Population	Median Household Income
<b>City of Los Angeles</b>	3,694,820	\$36,687
<b>Los Angeles County</b>	9,519,338	\$42,189
<b>Granada Hills-Knollwood</b>	57,255	\$64,197

Source: 2000 Census

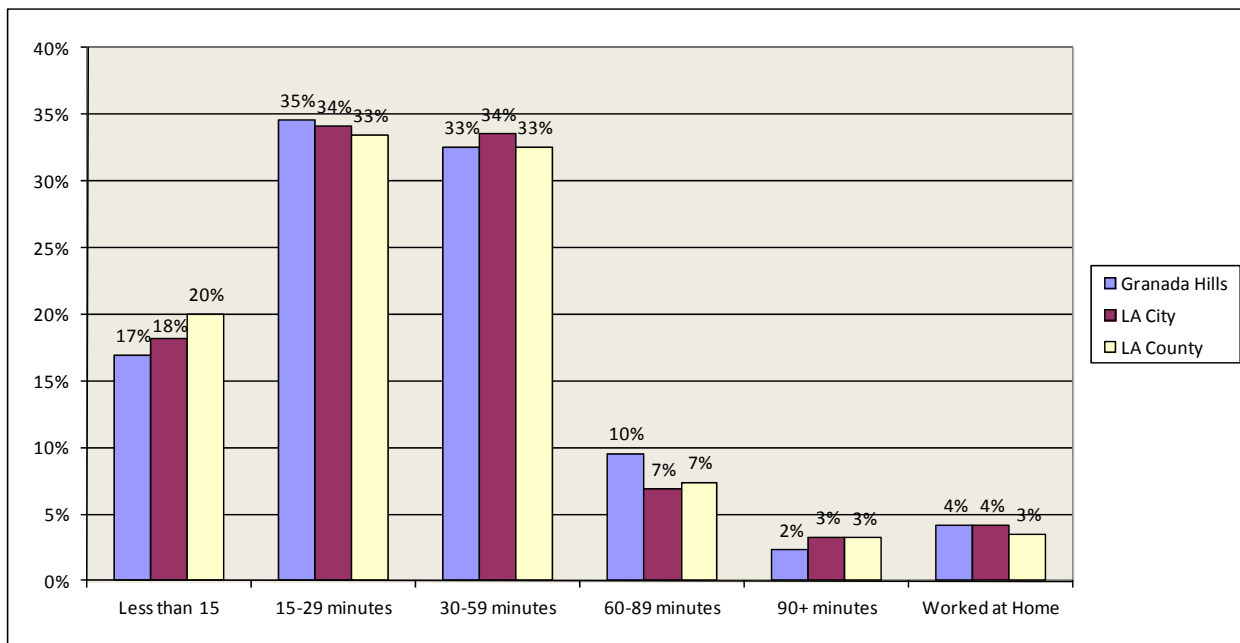


2.3 COMMUTE CHARACTERISTICS

2.3.1 TRAVEL TIME TO WORK

As shown in **Figure 3**, residents of Granada Hills-Knollwood take roughly the same time to travel to work as others living in Los Angeles. When compared to average travel times to work for the City of Los Angeles, and a higher percentage of Granada Hills-Knollwood residents travel to work in 15-29 minutes compared to both the City and County of Los Angeles. Conversely, a lower percentage of Granada Hills-Knollwood residents take less than 15 minutes to travel to work when compared to the City-wide and County-wide averages. According to the 2000 Census data, 35 percent of Granada Hills-Knollwood residents commute within the “15-29 minutes” travel time range, compared to 34 percent for the City of Los Angeles and 33 percent across all of Los Angeles County.

FIGURE 3 TRAVEL TIME TO WORK

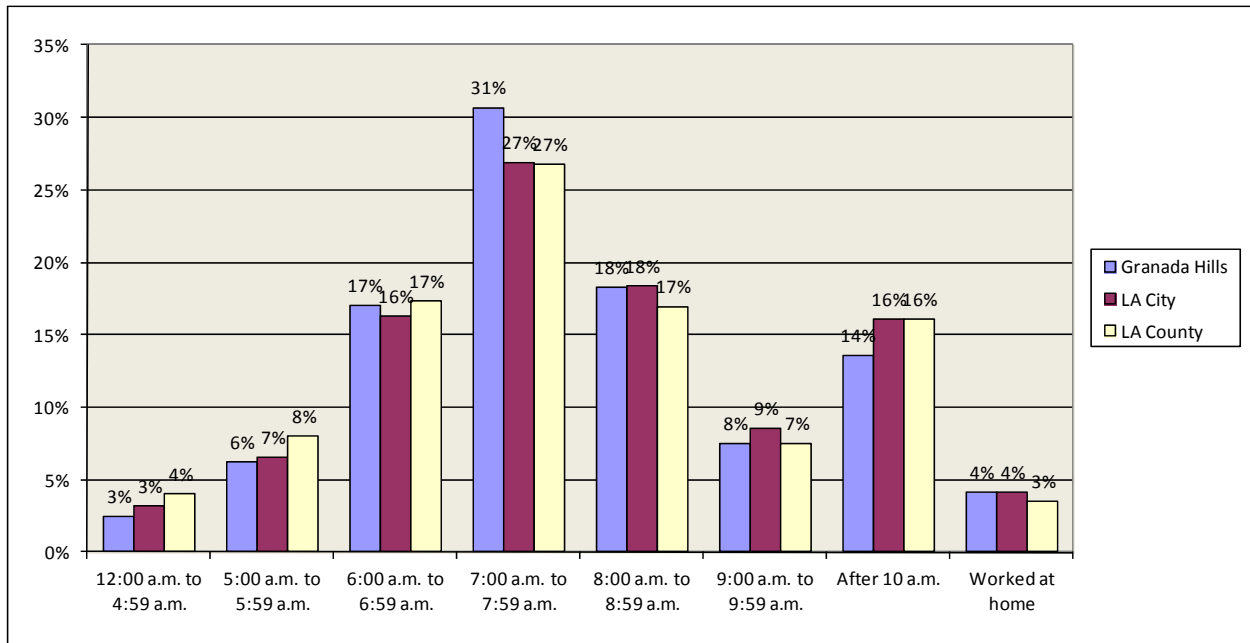


Source: 2000 Census

2.3.2 TIME DEPARTURE TO WORK

Overall, residents of Granada Hills-Knollwood generally depart for work at times similar to City of Los Angeles and Los Angeles County residents, as shown in **Figure 4**. According to 2000 Census data, 56 percent of Granada Hills-Knollwood residents depart for work before 8:00 a.m., compared to approximately 53 percent of City of Los Angeles residents and 56 percent of Los Angeles County residents. The highest concentration of work departures in Granada Hills-Knollwood occurs between 7:00 a.m. and 7:59 a.m.

FIGURE 4 TIME OF DEPARTURE TO WORK



Source: 2000 Census

2.3.3 MEANS OF TRAVEL

**Table 5** illustrates the means of travel to work for Granada Hills-Knollwood's residents. As shown, the percentage of workers who drive alone in Granada Hills-Knollwood is higher than both the City of Los Angeles and Los Angeles County. Approximately 80 percent of Granada Hills-Knollwood workers drive alone to work, opposed to 66 percent of City of Los Angeles workers and 70 percent of Los Angeles County workers. With respect to carpooling, approximately 13 percent of Granada Hills-Knollwood residents carpool, similar to the City of Los Angeles and Los Angeles County. The largest discrepancy in mode split between Granada Hills-Knollwood, the City of Los Angeles, and Los Angeles County occurred with transit. In Granada Hills-Knollwood, only two percent of workers utilize transit for their journey to work, opposed to 10 percent in the City of Los Angeles, and seven percent in Los Angeles County. The percentage of workers, who either biked, walked, worked at home, or traveled to work using another form of transportation is slightly lower in Granada Hills-Knollwood, as compared to the City of Los Angeles and Los Angeles County.

**TABLE 5 MEANS OF TRAVEL TO WORK**

Mode	Granada Hills-Knollwood	City of Los Angeles	Los Angeles County
Drive Alone	80%	66%	70%
Car Pool	13%	15%	15%
Transit	2%	10%	7%
Bike	0%	1%	1%
Walk	1%	4%	3%
Work At Home	4%	4%	3%
Other	0%	1%	1%

Source: 2000 Census

2.4 HIGHWAY SYSTEM CHARACTERISTICS

The highway system within the Granada Hills-Knollwood Community Plan area generally follows a partial grid system south of the Santa Susana Mountains and includes limited through routes and many narrow winding streets in the hills north of SR-118. There are several major streets which traverse the southern part of the area in a grid-like formation. The presence of the Ronald Regan Freeway (State Route 118) in the middle of the Plan area and the Golden State Freeway (I-5) and the San Diego (I-405) Freeway to the east create various access points to the Granada Hills-Knollwood area from different regions. Significant volumes of regional trips are made through the Community Plan Area to/from the San Diego Freeway. The lack of proximity to any major regional center contributes to the less congested nature of the freeways around

the Granada Hills-Knollwood area. Non-contiguous streets within the Community Plan Area make it difficult for use these facilities by regional commute traffic.

Traffic counts provided below for freeway systems in the Granada Hills-Knollwood Community Plan Area were obtained from the 2007 annual average daily traffic (AADT) counts maintained by the Traffic and Vehicle Data Systems Unit of the California Department of Transportation (Caltrans).

#### 2.4.1 *FREEWAYS*

As mentioned above, three freeway systems provide regional access from the Granada Hills-Knollwood Community Plan Area to all other areas of the Southern California region.

Freeway facilities are high-volume/high-speed roadways with limited access occurring only at grade-separated interchanges. I-5, I-210 and SR-118 are located within or adjacent to Granada Hills-Knollwood. Interchanges in the Granada Hills-Knollwood area are provided at the following locations:

- San Diego (I-405) Freeway
  - Devonshire Street
  - SR-118
  - Rinaldi Street/Sepulveda Boulevard
  - I-5
  
- Golden State (I-5) Freeway
  - Roxford Street
  - San Fernando Road
  - I-210
  
- Ronald Regan (SR-118) Freeway
  - Zelzah Avenue (future)
  - Balboa Boulevard
  - Hayvenhurst Avenue
  - Woodley Avenue
  - I-405

*SR-118 (Ronald Regan Freeway)* – SR-118 runs predominantly east-west and is located at the center of the study area. The Ronald Regan Freeway was formerly the Simi Valley-San Fernando Freeway. It is part of the California Freeway and Expressway System and is eligible for the State Scenic Highway System. It has four mainline lanes in each direction with ramp access within the study area at Balboa Boulevard. The 2005 Average annual daily traffic (AADT) on the 118 Freeway in the study area is 243,000 between Hayvenhurst Avenue and Woodley Avenue.

The Ronald Regan experiences congestion in both directions during peak hours and often on weekends.

*I-5 (Golden State Freeway)* – I-5 runs north-south and is located directly east of the study area. It has five mainline lanes in each direction with indirect ramp access to the study area via Mission Hills which is adjacent to the study area. The 2005 AADT on I-5 north of the I-405/I-5 Interchange is 137,000.

*I-405 (San Diego Freeway)* – I-405 runs north-south and is located directly east of the study area. It has five mainline lanes in each direction with direct ramp access to the study area at Rinaldi Street, San Fernando Mission Boulevard, and Devonshire Street. The 2005 AADT on I-405 north of the SR-118 Freeway is 221,000.

#### 2.4.2 SURFACE ROADWAYS

As noted earlier, the major roadways in the Granada Hills-Knollwood area generally follow a grid pattern. Roadways are classified as Major Class II Highways (typically 100-104 feet right of way and two to three lanes in each direction), Secondary Highways (typically 80-90 feet of right of way and two lanes each direction), Collector streets (typically one lane each direction) and Local Streets (one lane each direction). Below are the generalized street and highway cross sections, which represent fully dedicated and improved streets by designation and type, as shown in the City’s General Plan Transportation Element. Not all designations reflect actual conditions, and not all are found within the Granada Hills-Knollwood Community Plan Area:

##### Major Class II Highway-Class II - 104' ROW

###### a. Standard

- 12' Sidewalk/Parkway + 13' Curb Lane
- 4 Full-Time Through Lanes
- 2 Part-Time Parking Lanes
- 1 Median/Left Turn Lane

###### b. Pedestrian Priority Segments

- 17' Sidewalk/Parkway + 8' Curb Parking
- 4 Full-Time Through Lanes
- All-Day Parking
- 1 Median/Left Turn Lane

##### Secondary Highway - 90' ROW

###### a. Standard

- 10' Sidewalk/Parkway + 19' Curb Lane
- 4 Full-Time Through Lanes

- All-Day Parking
- 1 Median/Left Turn Lane

b. Pedestrian Priority Segments

- 15' Sidewalk/Parkway + 8' Curb Parking
- 4 Full-Time Through Lanes
- All-Day Parking

Collector Streets

a. Standard - 64' ROW

- 10' Sidewalk/Parkway
- 2 Full-Time Through Lanes
- 2 Full-Time Parking Lanes

b. Industrial - 64' ROW

- 8' Sidewalk
- On-Street Parking Restrictions
- 2 Full-Time Through Lanes
- Minimum 35' Curb Radius

c. Hillside - 50' ROW

- 5' Sidewalk
- 2 Full-Time Through Lanes
- 2 Full-Time Parking Lanes

It is important to note that not all streets meet these specifications exactly and that some classifications vary on a case by case basis.

**Appendix A-1** lists major segments on all of the roadways included in the travel demand forecasting model, their classification, number of peak hour and off-peak travel lanes, nature of on-street parking and the posted speed limit in the study area. Unless specifically stated, the number of travel lanes during the peak and off-peak hours are the same. The following paragraphs discuss the significant and regional roadways in the Granada Hills-Knollwood Community Plan Area.

### 2.4.3 MAJOR CLASS II HIGHWAYS

The Granada Hills-Knollwood Community Plan Area is traversed by a series of Major Highways, which run both north-south and east-west. Major Highways are generally four- to six-lane facilities that are designed to provide a high level of mobility to vehicles while providing access to adjacent properties. Major Highways in the study area include all or portions of the following:

- Balboa Boulevard
- San Fernando Road
- Woodley Avenue
- Devonshire Street
- Rinaldi Street
- Senson Boulevard

Balboa Boulevard – Balboa Boulevard is classified a Major Class II Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Balboa Boulevard is 35 miles per hour.

San Fernando Road – San Fernando Road is classified a Major Class II Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along San Fernando Road is 35 miles per hour.

Woodley Avenue – Woodley Avenue is classified a Major Class II Highway from Rinaldi Street to Lassen Street. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Woodley Avenue is 35 miles per hour.

Devonshire Street – Devonshire Street is a Major Class II Highway from its beginning at Lindley Avenue to the west. It is classified a Major Class II Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Devonshire Street is 35 miles per hour,

Rinaldi Street – Rinaldi Street is classified a Major Class II Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Rinaldi Street is 35 miles per hour.

Seson Boulevard – Sesnon Boulevard is classified a Major Class II Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Sesnon Boulevard is 35 miles per hour.

2.4.4 *SECONDARY ROADWAYS*

Secondary Highways are generally two- to four-lane roadways that provide local connections to the major highway network. These roadways may be classified as secondary arterials in a standard classification scheme. The Secondary Highways in the study area include all or portions of the following:

- Haskell Avenue
- Louise Avenue
- Hayvenhurst Avenue
- Zelzah Avenue
- Chatsworth Street
- Lassen Street
- San Fernando Mission Boulevard

Haskell Avenue – Haskell Avenue is classified a Secondary Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Haskell Avenue is 35 miles per hour.

Louise Avenue – Louise Avenue is classified a Secondary Highway from Rinaldi Street to Devonshire Street. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Louise Avenue is 35 miles per hour.

Hayvenhurst Avenue – Hayvenhurst Avenue is classified a Secondary Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Hayvenhurst Avenue is 35 miles per hour.

Zelzah Avenue – Zelzah Avenue is classified a Secondary Highway from Rinaldi Street to Devonshire Street. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Zelzah Avenue is 35 miles per hour.

East-West

Chatsworth Street – Chatsworth Street is classified a Secondary Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of time restrictions in many blocks. The posted speed limit along Chatsworth Street is 35 miles per hour.

Lassen Street – Lassen Street is classified a Secondary Highway throughout the study area. It has two lanes in each direction with on-street parking on both sides of the street, with length of



time restrictions in many blocks. The posted speed limit along Lassen Street is 35 miles per hour.

San Fernando Mission Boulevard – San Fernando Mission Boulevard is classified as a Secondary Highway throughout the study area. It has two lanes in each direction from I-405 to Louise Avenue. From Louise Avenue to western community plan boundary there is one lane in each direction. The posted speed limit along San Fernando Mission Boulevard is 35 miles per hour.







#### 2.4.5 COLLECTOR STREETS

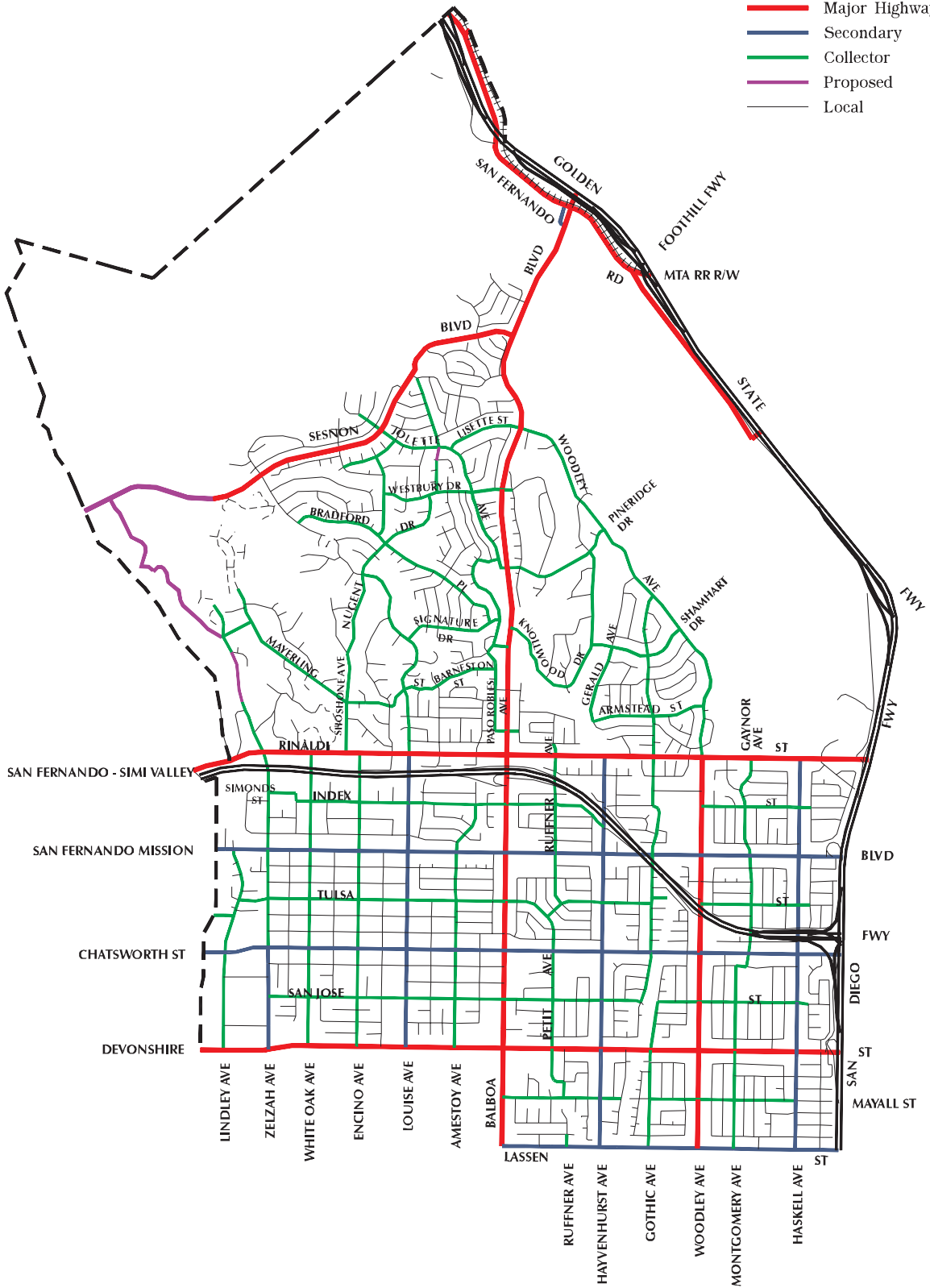
The network of Major and Secondary Highways are complemented by an extensive network of Collector Streets. Some of the more significant Collector Streets within Granada Hills-Knollwood include portions of the following:

- Amestoy Avenue
- Encino Avenue
- Gaynor Avenue
- Gerald Avenue
- Gothic Avenue
- Knollwood Drive
- Lindley Avenue
- Nugent Drive
- Paso Robles Avenue
- Petit Avenue
- Ruffner Avenue
- Shoshone Avenue
- White Oak Avenue
- Woodley Avenue
- Zelzah Avenue
- Armstead Street
- Barneston Street
- Bradford Place
- Index Street
- Jollette Avenue
- Lisette Street
- Mayall Street
- Mayerling Street
- Pineridge Drive
- San Jose Street
- Shamhart Drive
- Signature Drive
- Tulsa Street
- Westbury Drive

**Figure 5** illustrates the existing roadway designations in the Granada Hills-Knollwood Community Plan Area.

**LEGEND**

-  Freeway
-  Major Highway Class II
-  Secondary
-  Collector
-  Proposed
-  Local



**Proposed Granada Hills-Knollwood Community Plan TIMP**

**Figure 5  
Granada Hills-Knollwood Community Plan Area  
Existing Functional Classification**

#### 2.4.6 SIGNALIZED INTERSECTIONS AND TRAFFIC CONTROL DEVICES

The signal system in the City of Los Angeles is currently in the process of being updated to the Automated Traffic Surveillance and Control (ATSAC) system. This system allows monitoring and control of the signal from a central Traffic Operations Center (TOC) at City Hall. The importance of linking to the ATSAC system is the ability to coordinate the signals in relationship with other signals along a travel corridor. Signal coordination minimizes delay, due to stops, and enhances vehicle flow. Studies by the Los Angeles Department of Transportation have shown that the ATSAC system reasonably increases capacities on roadways by approximately seven percent. Once complete, the entire signal system in Granada Hills-Knollwood will be online with the ATSAC system.

The next generation of signal system upgrade is to an Adaptive Traffic Control System (ATCS). The ATCS system automatically adjusts signal timing dynamically during different times of the day based on traffic volumes and directions. In addition, LADOT staff can manually adjust traffic signals remotely from the department's command center to respond to accidents, weather, special events, and other emergencies.

It is anticipated that all traffic signals citywide will be a part of the ATSAC and ATCS systems by the year 2030. LADOT recognizes the increased efficiency of the traffic flow by allowing a credit to the volume to capacity (V/C) ratio along roadway links. The ATSAC credit is seven percent increase in capacity and the ATCS credit is an additional three percent increase in capacity. Therefore, for 2030 conditions, a total of 10 percent increase in capacity is assumed.

#### 2.5 EXISTING OPERATING CONDITIONS - METHODOLOGY

In order to understand the operating conditions of traffic, it is important to understand the concept of level of service (LOS) and the methodology used to determine the LOS. Level of service is a qualitative measure describing traffic flow conditions. The ranges vary from LOS A at free flow conditions to LOS F at extremely congested conditions. The methodology used to determine the link LOS involves the calculation of the V/C ratio on each of the links.

Assumed capacities on roadway links were developed in conjunction with LADOT. The capacities reflect the maximum number of vehicles per hour that can be reasonably carried on the roadway under prevailing traffic conditions. The assumed roadway capacities for each type of facility used are as follows:

Facility Type	Hourly Capacity (veh./lane/hour)
Freeway mainline	2,000
Freeway ramp	600
Freeway connector	1,600
Two-way major arterial	800
Two-way secondary arterial	700
Collector and local streets	600

2.5.1 MODEL REFINEMENT

The Southern California Association of Governments (SCAG) travel demand model was used for the traffic analysis. The SCAG model was focused and refined to provide a tool to analyze future impacts due to growth and changes in land uses in the Granada Hills-Knollwood Community Plan Area. Socioeconomic (SED) data such as housing, population and jobs was identified for the Community Plan Area. This data is placed in the model through the use of traffic analysis zones (TAZ) which represent geographical areas. The TAZs and roadway network in the SCAG model are large and less refined, so for this analysis, it required the disaggregation of traffic analysis zones, addition of roads to the street network and updates of the SCAG socioeconomic data. The following is a short discussion of the refinement work conducted for the Granada Hills-Knollwood Community Plan.

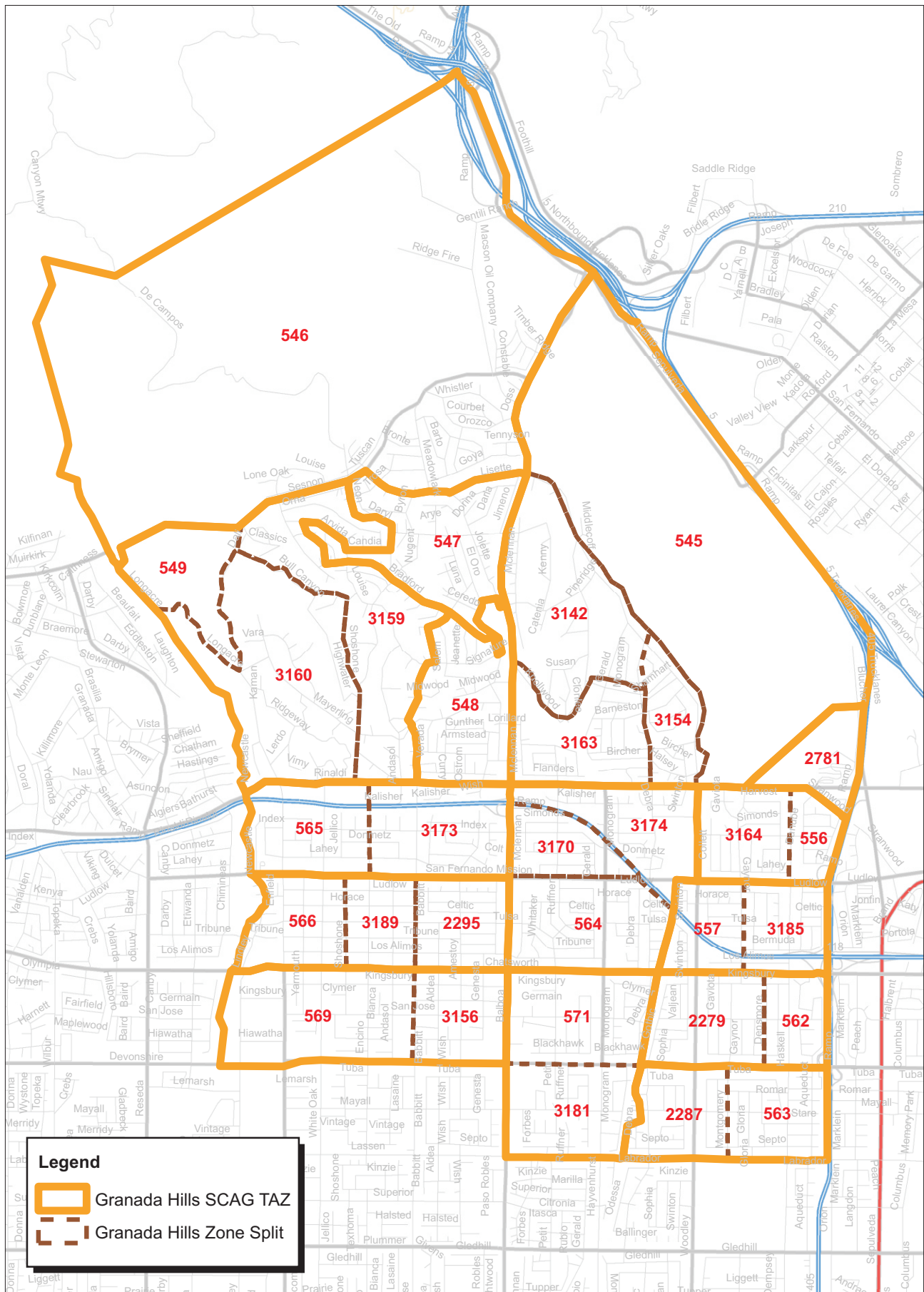
The number of TAZ’s was increased from 15 zones to 31 zones within the Granada Hills-Knollwood area. The new TAZ boundaries were determined based on current and proposed land uses. **Figure 6** shows the new refined TAZ system in the Granada Hills-Knollwood Community Plan Area.

Information regarding the street system in and around Granada Hills-Knollwood needed to be further detailed to conduct a community plan level of analysis. The SCAG model contained roadways only down to the secondary arterial level. The goal of the network refinement task was to add all roadways that were determined to be significant for the study, including collector streets.

The goal of the model development was to include all major and secondary roadways in the model. Most collector streets were also added to the model’s network, although some discontinuous or dead-end roadways could not be modeled. For a model to be considered accurate and appropriate for use in traffic forecasting, it must replicate actual conditions to within a certain level of accuracy. Validation guidelines have been established by LADOT based on Caltrans and FHWA standards. The model was calibrated to within 10 percent on a screenline basis, which meets Caltrans and FHWA standards. Screenlines are imaginary lines drawn across several parallel roadways, creating a cordon or boundary, and are used to assess

the performance of the model in terms of forecasting traffic on each roadway crossing the screenline in comparison to actual traffic counts on those roadways. Model volumes were within 10 percent of the actual volumes. Therefore, the result of the modeling effort is a refined travel demand forecast model for the Granada Hills-Knollwood area, sensitive enough to forecast future link-level conditions.

The V/C for the roadway segments was calculated, and the average V/C for the entire Granada Hills-Knollwood Community Plan Area was assessed by obtaining the volume weighted average V/C. The volume weighted average V/C ratio is calculated by taking the volume of each link and multiplying it by its corresponding V/C ratio. This is divided by the sum of the total volume on all links. The resultant essentially represents the average V/C ratio for the entire roadway network in Granada Hills-Knollwood Community Plan Area.



**Proposed Granada Hills-Knollwood  
Community Plan TAMP**

**Figure 6  
Traffic Analysis Zones in the  
Granada Hills-Knollwood Community Plan Area**



2.5.2 *SELECTED HIGHWAY SEGMENTS FOR ANALYSIS*

As discussed in the Highway System Characteristics section of this chapter, a majority of the streets in Granada Hills-Knollwood are designated as Collectors and local streets. This is true even of non-continuous streets and streets that provide only local access. In reality, many of the local access and non-contiguous streets function and operate as local streets. Such roadways seldom experience significant traffic impacts due to congestion but they are often used as cut through routes by drivers seeking to avoid congestion on nearby Major or Secondary Highways. The TIMP examines collector-level and higher facilities within the City's jurisdiction. The reason for evaluating these facilities is that, typically, streets designated as Collectors, Secondary and Major Class II Highways play a significant role in the movement of traffic, while local streets primarily provide direct access to abutting land uses, including homes.

2.5.3 *EXISTING TRAFFIC CONDITIONS*

**Appendix A-2** presents the results of the volume-to-capacity calculations for the existing traffic conditions for the year 2005. The table lists the roadway separated by each designated segment that lies within the Granada Hills-Knollwood Community Plan Area. The existing traffic volumes are presented under the column heading "Volume". Traffic volumes have been separated by direction, indicated by the "NB/EB" or "SB/WB" heading. These represent north- and southbound directions or east- and westbound directions of travel, depending on the orientation of the facility.

The calculated volume-to-capacity ratio for each direction is presented under the column "V/C". The associated Level of Service for each V/C range is presented in the final columns under "LOS." **Table 6** summarizes the existing traffic conditions and includes the daily vehicle miles traveled (VMT), daily vehicle hours traveled (VHT), and overall daily average speed on the streets within the Granada Hills-Knollwood Community Plan Area. VMT is a measure of how much and how far people are driving and is calculated as the total miles travelled daily within the Community Plan area. The higher the VMT, the more auto travel there is, with related increases in emissions. VHT is a measure of how much time is spent traveling, and is calculated as the total number of hours daily that vehicles spend on the roadways within the Community Plan area. Increasing VHT indicates more time spent in slower-moving, congested streets. Segments operating at LOS E or F (with a V/C of 0.91 or worse) are roadways that are recommended to be tracked for Granada Hills-Knollwood's significant growth impacts. A total of 19 roadway segments (or links) out of a total of 732 links, or approximately three percent, of Granada Hills-Knollwood roadways operate at an LOS E or F in the existing traffic conditions. The volume-weighted V/C ratio is 0.598 for the existing traffic conditions. This indicates that on average, the streets in Granada Hills-Knollwood Community Plan Area utilize approximately 59.8 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS A, which indicates very good overall operating conditions. VMT and VHT are highest in the PM peak period when commercial and retail trips overlap with commute trips.

TABLE 6 2005 TRAFFIC CONDITIONS – ARTERIAL SUMMARY

Existing Traffic Conditions	
VMT	243,454
VHT	5,804
Avg. Speed (mph)	42
Weighted Avg. V/C	0.598
Links at LOS E or F	19
% of Links at LOS E or F	3%

## 2.6 TRANSIT SERVICES

Fixed-route public transportation services in the Granada Hills-Knollwood Community Plan Area are currently provided by the Los Angeles County Metropolitan Transportation Authority (Metro), Commuter Express services provided by the Los Angeles Department of Transportation (LADOT), Santa Clarita Transit, and Antelope Valley Transit. **Figure 7** illustrates transit routes serving the Granada Hills-Knollwood Community Plan Area including four Metro routes, three LADOT routes, two Santa Clarita Transit routes, and one Antelope Valley Transit route. The following provides a brief description of these transit routes:

### Metro Transit Routes

**158:** Line 158 provides local service between Chatsworth and Sherman Oaks primarily along Devonshire Street, Arleta Avenue, Branford Street, and Woodman Avenue. Line 158 traverses the Granada Hills-Knollwood Community Plan Area along Devonshire Street.

**236:** Line 236 provides local service between Encino to Sylmar primarily along Balboa Boulevard, Foothill Boulevard, Glenoaks Boulevard, and Hubbard Street. Line 236 traverses the Granada Hills-Knollwood Community Plan Area along Balboa Boulevard.

**237:** Line 237 provides local service between Encino to Sherman Oaks via Granada Hills-Knollwood primarily along Balboa Boulevard, Rinaldi Street, Woodley Avenue, Victory Boulevard, and Van Nuys Boulevard. Line 237 traverses the Granada Hills-Knollwood Community Plan Area along Balboa Boulevard, Rinaldi Street, and Woodley Avenue.

**239:** Line 239 provides local service between Encino and Sylmar primarily along White Oak Avenue, Lindley Avenue, Zelzah Avenue, Chatsworth Street, Louise Avenue, Rinaldi Street, and San Fernando Mission Boulevard. Line 239 traverses the Granada Hills-Knollwood Community Plan Area along Zelzah Avenue, Chatsworth Street, Louise Avenue, Rinaldi Street, Haskell Avenue, and San Fernando Mission Boulevard.



### LADOT Transit Routes

**Commuter Express 419:** Commuter Express 419 provides peak-hour express bus service between Chatsworth and Downtown Los Angeles through Northridge, Granada Hills-Knollwood, and Mission Hills. This express line traverses the Granada Hills-Knollwood Community Plan Area along Devonshire Street, Woodley Avenue, and Chatsworth Street.

**Commuter Express 573:** Commuter Express 573 provides peak-hour express bus service between Mission Hills and Century City through Northridge, Encino, and Westwood. This express line traverses the Granada Hills-Knollwood Community Plan Area along Chatsworth Street and Balboa Boulevard.

**Commuter Express 574:** Commuter Express 574 provides peak-hour express bus service between San Fernando and Redondo Beach through Northridge, Encino, Westchester, and El Segundo. This express line traverses the Granada Hills-Knollwood Community Plan Area along Chatsworth Street and Balboa Boulevard.

### Santa Clarita Transit Route

**791/796:** Lines 791 and 796 provide express bus service between the Santa Clarita Valley Chatsworth and Warner Center. Lines 791 and 796 operate on the Ronald Reagan (SR-118) Freeway during peak hours through the Granada Hills-Knollwood Community Plan Area.

### Antelope Valley Transit Route

**787:** Antelope Valley Transit provides express bus service to the West San Fernando Valley to Lancaster/Palmdale. Line 787 operates peak hours Reseda Boulevard, Plummer Street and De Soto Avenue in the vicinity of the Granada Hills-Knollwood Community Plan Area, during peak hours.

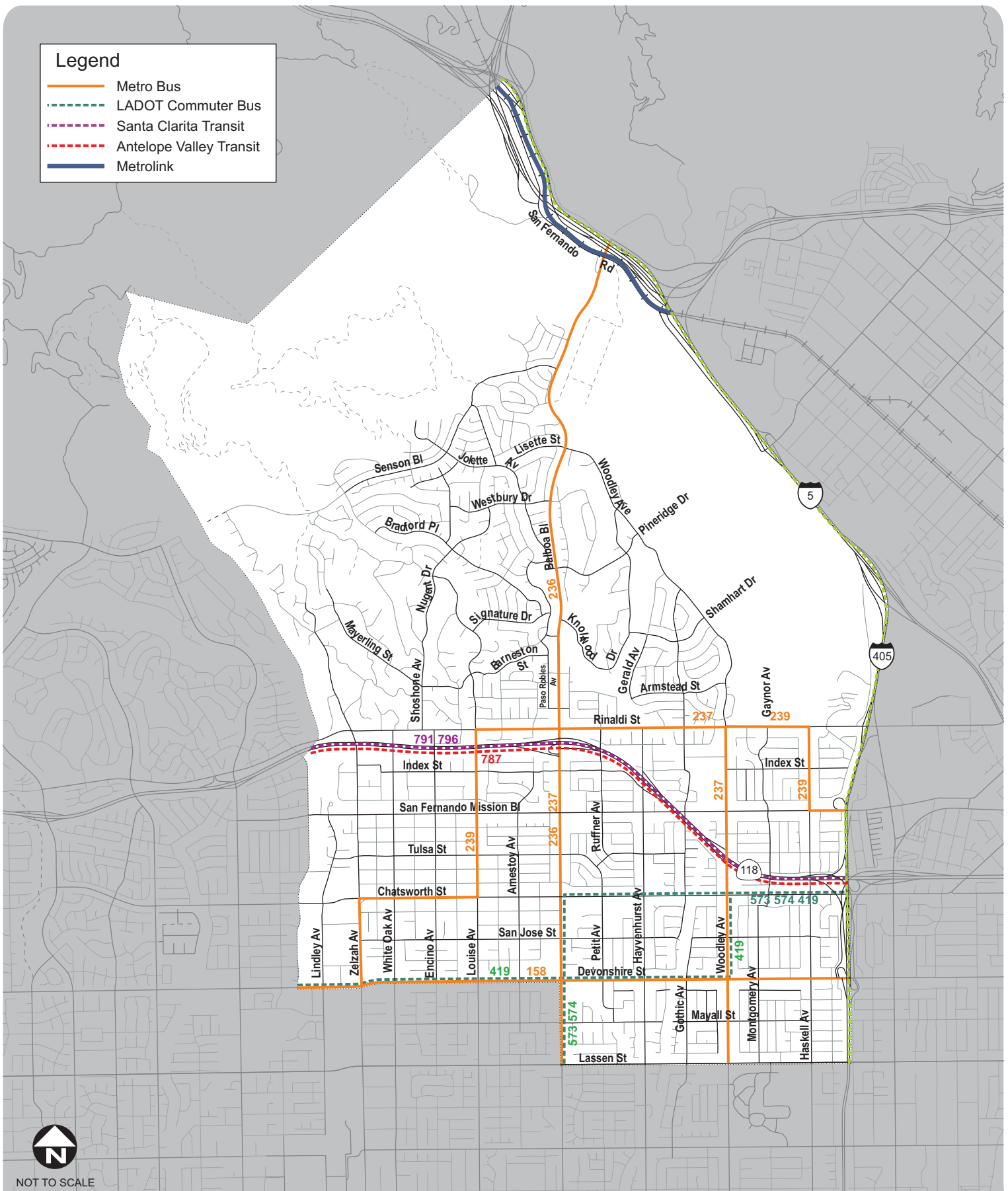
**Table 7** lists the bus routes serving the Granada Hills-Knollwood Community Plan Area and shows the days of operation and approximate weekday hours of operation. Two of the bus routes serving the area operate seven days per week, and the remainders operate five days per week.

**TABLE 7 TRANSIT ROUTES**

Operator	Line	Weekday Hours		Monday-Friday	Saturday	Sunday & Holiday
		Start Time	Stop Time			
Metro	158	5:15 AM	9:30 PM	X	X	X
Metro	236	5:10 AM	8:30 PM	X	X	X
Metro	237	5:50 AM	9:15 PM	X		
Metro	239	5:15 AM	8:55 PM	X		
LADOT Commuter Express	419	5:40 AM	8:30 PM	X		
LADOT Commuter Express	573	5:35 AM	8:00 PM	X		
LADOT Commuter Express	574	5:20 AM	7:40 PM	X		
Santa Clarita Transit	791/796	6:15 AM	6:10 PM	X		
Antelope Valley Transit	787	4:00 AM	7:35 PM	X		

**Legend**

- Metro Bus
- LADOT Commuter Bus
- Santa Clarita Transit
- Antelope Valley Transit
- Metrolink



NOT TO SCALE



**Proposed Granada Hills-Knollwood Community Plan TIMP**

**Figure 7  
Existing Transit Routes Serving the  
Granada Hills-Knollwood Community Plan Area**

## 2.7 BICYCLE FACILITIES

The City of Los Angeles City Council approved the 2010 Bicycle Plan on March 1, 2011. The Bicycle Plan includes the following bicycle facilities: Class I Bicycle Paths, Class II Bicycle Lanes, and Class III Bicycle Routes and Bicycle-Friendly Streets.

Bicycle facilities are classified based on a standard typology, which is described in further detail below. **Figure 8** shows the locations of the existing and proposed bicycle facilities within the Granada Hills-Knollwood Community Plan Area.

- **Class I Bikeways (Bicycle Paths)** are exclusive car free facilities that are typically not located within a roadway area. And provide a separated right-of-way for bicycle travel that is typically shared with pedestrians and provides a typical to 12-foot wide path. Bike path intersections are usually minimized, and street crossings often require special treatment.
- **Class II Bikeways (Bicycle Lanes)** provide on-street right-of-way in the form of a striped lane for the exclusive use of bicyclists, except where right-turning vehicles are allowed to encroach. Bicycle Lanes are typically five to seven feet wide and located to the right of vehicular travel lanes.
- **Class III Bikeways (Bicycle Routes)** are signed routes for use by bicyclists without the benefit of allocated right-of-way. Bicyclists share lanes with motor vehicles. Bike routes are typically designated along streets with lower traffic volumes, wider curb lanes or are otherwise better suited for bicycle travel.
- **Class III Bikeways (Bicycle-Friendly Streets)** are primarily on collector and local roadways. These corridors generally parallel major commercial corridors, and have the potential to provide access to local destinations and provide connections to other bicycle facilities.

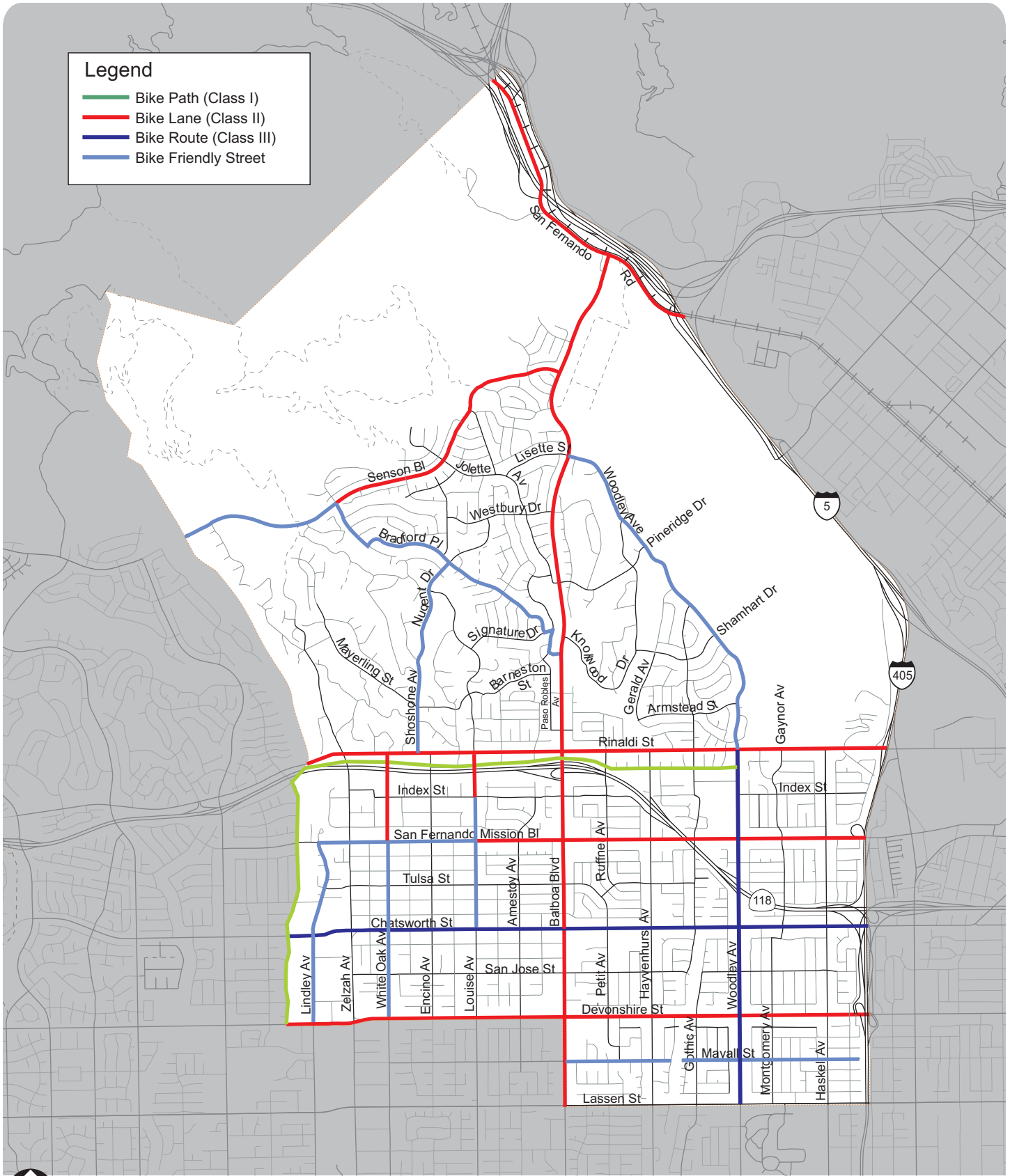
Within the study area, there are several existing bicycle facilities. Bicycle racks are provided at various public and private locations throughout the Granada Hills-Knollwood Community Plan. According to the 2010 Bicycle Plan, no Bicycle Paths or Bicycle Routes currently exist within the Granada Hills-Knollwood Community Plan Area.

The following Bicycle Lanes currently exist within the Granada Hills-Knollwood Community Plan Area:

- Balboa Boulevard from Woodley Avenue to 940 feet south of San Fernando Road
- Rinaldi Street from western Community Plan boundary to eastern Community Plan boundary
- Woodley Avenue from Rinaldi Street to southern Community Plan boundary
- Devonshire Street from Hayvenhurst Avenue to Haskell Avenue.

**Legend**

- Bike Path (Class I)
- Bike Lane (Class II)
- Bike Route (Class III)
- Bike Friendly Street



NOT TO SCALE



**Proposed Granada Hills-Knollwood  
Community Plan TIMP**

**Figure 8  
Proposed Bicycle Facilities to Serve the  
Granada Hills-Knollwood Community Plan Area**

### 3.0 YEAR 2030 CONDITIONS

In this chapter, Year 2030 scenarios and analyses are presented. The first is the Current Land Use Plan, which is based on the current land uses contained in the existing Granada Hills-Knollwood Community Plan. The second is the Proposed Land Use Plan, which is reflective of land use changes proposed for the Granada Hills-Knollwood Community Plan.

During the time the Proposed Land Use Plan was being developed, a series of roadway alternatives were tested, but used an interim land use plan. The alternatives can be compared to each other, but since the land uses contained in the alternatives analyses were neither the Current nor Proposed Land Use Plan, it is not meaningful to compare the results to either the Current or Proposed Plan. These alternatives were merely to evaluate how different roadway changes would affect traffic volumes.

The future conditions also assume that the LADOT ATSAC and ATCS traffic signal systems are in place for all intersections by 2030. As noted in section 2.4.6, this effectively increases roadway capacity by 10 percent as compared to 2005 conditions.

#### 3.1 YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK

The Year 2030 Current Land Use Plan with Committed Roadway Network (Current Land Use Plan) is an analysis of what would occur if no changes were made to the current land use plan. **Table 8** shows the Current Land Use Plan arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately 14 percent (104 of 724 roadway links) of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F in the Current Land Use Plan scenario.

The volume-weighted V/C ratio is 0.898 for the year 2030 Current Land Use Plan. This indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area utilize approximately 89.8 percent of roadway capacity in the PM peak. The V/C ratio is at LOS F, which constitutes fair overall operating conditions. **Table A-3** in the Appendix shows the Current Land Use Plan level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.



**TABLE 8 YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK –  
ARTERIAL SUMMARY**

Current Land Use Plan Traffic Conditions	
VMT	367,290
VHT	11,329
Avg. Speed (mph)	32
Weighted Avg. V/C	0.898
Links at LOS E or F	104
% of Links at LOS E or F	14%

**Table 9** includes a comparison of the Current Land Use Plan to the existing traffic conditions. As shown, the total VMT increases by approximately 50 percent when comparing the Current Land Use Plan scenario to the existing traffic conditions. There is an overall total increase in VHT, and the average speed decreases by 10 mph between the Current Land Use Plan and the existing traffic conditions.

**TABLE 9 COMPARISON – EXISTING TRAFFIC CONDITIONS - YEAR 2030 CURRENT LAND USE PLAN  
WITH COMMITTED ROADWAY NETWORK**

	Existing Traffic Conditions	Current Land Use Plan
VMT	243,454	367,290
VHT	5,804	11,329
Avg. Speed (mph)	42	32
Weighted Avg. V/C	0.598	0.898
Links at LOS E or F	19	104
% of Links at LOS E or F	3%	14%

### 3.2 YEAR 2030 PROPOSED LAND USE PLAN

Evaluation of the Year 2030 Proposed Land Use Plan begins with evaluation of the Proposed Land Use Plan on the committed roadway network system, and then a series of network alternatives were evaluated in order to develop the proposed roadway network and TIMP.

The land use changes proposed for the Granada Hills-Knollwood Community Plan concentrate development in along major highways such as Chatsworth Street, Devonshire Street, and Balboa Boulevard, in order to preserve single family residential throughout, but especially in the hillsides with very low to minimum residential densities. The number of jobs in the Granada Hills-Knollwood Community Plan Area with the Proposed Land Use Plan is forecast to grow to 20,194 in 2030, an increase of 5,237 jobs, or 35 percent over the current 14,957 jobs in Granada Hills-Knollwood. The Proposed Land Use Plan anticipates concentrating growth in areas where the mix of housing and jobs are in proximity to one another, reducing the need for extra vehicle trips.



3.2.1 YEAR 2030 PROPOSED LAND USE PLAN WITH COMMITTED ROADWAY NETWORK

The Year 2030 Proposed Land Use Plan and Committed Roadway Network (Proposed Land Use Plan) was analyzed, and the arterial summary results are shown in **Table 10**. The summary includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately 16 percent, or 114 of 724 links, of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F in the Proposed Land Use Plan. This is slightly higher than the Current Plan due to changes in proposed land uses. The volume-weighted V/C ratio is 0.948; this indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area utilize approximately 94.8 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS E, which is less than desired overall operating conditions. **Table A-4** in the Appendix shows the Proposed Land Use Plan roadway Level of Service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

**TABLE 10 YEAR 2030 PROPOSED LAND USE PLAN WITH COMMITTED ROADWAY NETWORK –  
ARTERIAL SUMMARY**

Proposed Land Use Plan Traffic Conditions	
VMT	371,390
VHT	12,264
Avg. Speed (mph)	30
Weighted Avg. V/C	0.948
Links at LOS E or F	114
% of Links at LOS E or F	16%

**Table 11** includes a comparison of the Proposed Land Use Plan, the Current Land Use Plan and existing traffic conditions arterial statistics. The data shows that the Proposed Land Use Plan and the Current Land Use Plan have higher VMT and VHT than existing traffic conditions. The Proposed Land Use Plan and Current Land Use Plan have very similar arterial statistics. Note that the Proposed Land Use Plan proposes lower population, yet a slightly higher number of jobs, than the Current Land Use Plan.

**TABLE 11 COMPARISON - EXISTING TRAFFIC CONDITIONS - YEAR 2030 CURRENT PLAN AND PROPOSED LAND USE PLAN WITH COMMITTED ROADWAY NETWORK**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Proposed Land Use Plan
VMT	243,454	367,290	371,390
VHT	5,804	11,329	12,264
Avg. Speed	42	32	30
Weighted V/C	0.598	0.898	0.948
Links at LOS E or F	19	104	114
% of Links at LOS E or F	3%	14%	16%

**3.2.2 YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE ONE**

The roadway network in Granada Hills-Knollwood is largely built out, so there are relatively few streets that can be expected to provide additional capacity in the future. To help to make a decision to arrive at the Proposed Land Use Plan with TIMP, four alternative networks were analyzed; all use the same Interim Land Use Plan, and each has various modifications to the transportation network.

In the Year 2030 Interim Land Use Plan with Transportation Network Alternative One (Transportation Alternative One), the following network change would occur:

- Conversion of Chatsworth Street from Zelzah Avenue to Amestoy Avenue from a Secondary Roadway to a Modified Secondary Roadway, and would consist the removal of one lane in each direction and placing angled parking to create a more pedestrian friendly area and provide additional parking for the commercial uses along Chatsworth.

This alternative was shown to generally change traffic conditions and volumes along parallel streets. **Table 12** shows the Transportation Alternative One arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. **Table A-5** in the Appendix shows the Transportation Alternative One roadway Level of Service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

Transportation Alternative One shows that approximately 15 percent of Granada Hills-Knollwood roadways are forecast to operate at LOS E and F (106 of 724 Links). The volume-weighted V/C ratio is 0.0.853, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 85.3 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS D, which indicates fair overall operating conditions.

**TABLE 12 YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE ONE – ARTERIAL SUMMARY**

	Transportation Alternative One Traffic Conditions
VMT	360,143
VHT	10,143
Avg. Speed (mph)	32
Weighted Avg. V/C	0.853
Links at LOS E or F	106
% of Links at LOS E or F	15%

**Table 13** includes a comparison of the Transportation Alternative One, the Current Land Use Plan and Existing Traffic Conditions arterial statistics. However, it must be remembered that Transportation Alternative One has a different (Interim) land use plan than the Current Land Use Plan. The data shows that the Transportation Alternative One and the Current Land Use Plan have higher VMT and VHT than Existing Traffic Conditions.

**TABLE 13 COMPARISON – EXISTING TRAFFIC CONDITIONS - YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK AND YEAR 2030 TRANSPORTATION NETWORK ALTERNATIVE ONE**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Transportation Alternative One
VMT	243,454	367,290	360,143
VHT	5,804	11,329	10,143
Avg. Speed	42	32	32
Weighted V/C	0.598	0.898	0.853
Links at LOS E or F	19	104	106
% of Links at LOS E or F	3%	14%	15%

**3.2.3 YEAR 2030 INTERIM PLAN LAND USE WITH TRANSPORTATION NETWORK ALTERNATIVE TWO**

Year 2030 Interim Land Use Plan with Transportation Alternative Two (Transportation Alternative Two) evaluated a suggestion made by the community as their solution to alleviate traffic on Balboa Boulevard. Under Network Alternative Three, the following changes would occur:

- Removal of Balboa Boulevard north of Sesnon Boulevard. This was tested to the affects of forcing traffic onto the freeway, rather than through the Granada Hills-Knollwood area. Local residents feel that traffic from Santa Clarita uses this route as a cut-through route to get to I-405 and downtown Los Angeles.

**Table 14** shows the Transportation Alternative Two arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. It should be noted that the V/C and number of links forecast to operate at LOS E or F is only for arterials, not freeways. Therefore, freeways may show decreased level of service, while the arterials show increased level of service. A total of approximately 11 percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (80 of 720 Links) in the Transportation Alternative Two scenario. The volume-weighted V/C ratio is 0.767, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 76.7 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS C, which indicates that overall operating conditions are good. **Table A-6** in the Appendix shows the Transportation Alternative Two level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

**TABLE 14 YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE TWO – ARTERIAL SUMMARY**

<b>Transportation Alternative Two Traffic Conditions</b>	
VMT	364,264
VHT	11,265
Avg. Speed (mph)	32
Weighted Avg. V/C	0.767
Links at LOS E or F	80
% of Links at LOS E or F	11%

**Table 15** includes a comparison of the Transportation Alternative Two to the Current Land Use Plan and Existing Traffic Conditions. The Existing Traffic Conditions show lower VMT, VHT, V/C and number of links at E or F than both the Current Land Use Plan and the Interim Land Use Plan with Transportation Alternative Two.

**TABLE 15 COMPARISON – EXISTING CONDITIONS - YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK AND YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE TWO**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Transportation Alternative Two
VMT	243,454	367,290	364,264
VHT	5,804	11,329	11,265
Avg. Speed	42	32	32
Weighted V/C	0.598	0.898	0.767
Links at LOS E or F	19	104	80
% of Links at LOS E or F	3%	14%	11%

3.2.4 YEAR 2030 INTERIM PLAN LAND USE WITH TRANSPORTATION NETWORK ALTERNATIVE THREE

Year 2030 Interim Land Use Plan with Transportation Alternative Three (Transportation Alternative Three) evaluated changes to Sepulveda Boulevard. Under Network Alternative Three, the following changes would occur:

- Evaluation of Sepulveda Boulevard from Blucher Avenue to San Fernando as a two-lane Major Highway Class II.

**Table 16** shows the Transportation Alternative Three arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately 15 percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (112 of 724 Links) in the Transportation Alternative Three scenario. The volume-weighted V/C ratio is 0.903, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 90.3 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS E, which indicates that overall operating conditions are less than desired. **Table A-6** in the Appendix shows the Transportation Alternative Three level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

**TABLE 16 YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE THREE – ARTERIAL SUMMARY**

Transportation Alternative Three Traffic Conditions	
VMT	368,256
VHT	11,065
Avg. Speed (mph)	33
Weighted Avg. V/C	0.903
Links at LOS E or F	112
% of Links at LOS E or F	15%

**Table 17** includes a comparison of the Transportation Alternative Three to the Current Land Use Plan and Existing Traffic Conditions. The Existing Traffic Conditions show lower VMT, VHT, V/C and number of links at E or F than both the Current Land Use Plan and the Interim Land Use Plan with Transportation Alternative Three.

**TABLE 17 COMPARISON – EXISTING CONDITIONS - YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK AND YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE THREE**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Transportation Alternative Three
VMT	243,454	367,290	368,256
VHT	5,804	11,329	11,065
Avg. Speed	42	32	33
Weighted V/C	0.598	0.898	0.903
Links at LOS E or F	19	104	112
% of Links at LOS E or F	3%	14%	15%

**3.2.5 YEAR 2030 INTERIM PLAN LAND USE WITH TRANSPORTATION NETWORK ALTERNATIVE FOUR**

Year 2030 Interim Land Use Plan with Transportation Alternative Four (Transportation Alternative Four) evaluated potential bicycle facility improvements. Under Network Alternative Four, the following changes were analyzed:

- Conversion of Sesnon Boulevard, between Aliso Canyon (western community plan boundary) and Balboa Boulevard from a Major Highway Class II to a Modified Major Highway Class II, with two lanes and the addition of bicycle lanes and equestrian trails.
- Conversion of San Fernando Mission Boulevard from the Aliso Canyon (western community plan boundary) to I-405 (eastern community plan boundary from a Secondary to a Modified Secondary with two lanes and bicycle lanes.



- Conversion of Devonshire Street from Aliso Canyon (western community plan boundary) to I-405 (eastern community plan boundary), from a Major Highway Class II to a Modified Major Highway Class II, with two lanes and bicycle lanes.
- Conversion of Louise Avenue from Rinaldi Street to Chatsworth Street from a Secondary to a Modified Secondary; with two lanes and bicycle lanes.
- Conversion of Balboa Boulevard from Lisette Street to Lassen Street from a Major Highway Class II to a Modified Major Highway Class II, with four lanes and bicycle lanes.

**Table 18** shows the Transportation Alternative Four arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately 18 percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (128 of 724 Links) in the Transportation Alternative Four scenario. The volume-weighted V/C ratio is 0.896, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 89.6 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS D, which indicates fair overall operating conditions. **Table A-6** in the Appendix shows the Transportation Alternative Four level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

**TABLE 18 YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE FOUR – ARTERIAL SUMMARY**

Transportation Alternative Four Traffic Conditions	
VMT	363,568
VHT	11,290
Avg. Speed (mph)	32
Weighted Avg. V/C	0.896
Links at LOS E or F	128
% of Links at LOS E or F	18%

**Table 19** includes a comparison of the Transportation Alternative Four to the Current Land Use Plan and Existing Traffic Conditions. The Existing Traffic Conditions show lower VMT, VHT, V/C and number of links at E or F than both the Current Land Use Plan and the Interim Land Use Plan with Transportation Alternative Four.

**TABLE 19 COMPARISON – EXISTING CONDITIONS - YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED ROADWAY NETWORK AND YEAR 2030 INTERIM LAND USE PLAN WITH TRANSPORTATION NETWORK ALTERNATIVE FOUR**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Transportation Alternative Four
VMT	243,454	367,290	363,568
VHT	5,804	11,329	11,290
Avg. Speed	42	32	32
Weighted V/C	0.598	0.898	0.896
Links at LOS E or F	19	104	128
% of Links at LOS E or F	3%	14%	18%

3.2.6 YEAR 2030 PREFERRED TRANSPORTATION ALTERNATIVE

The Year 2030 Preferred Transportation Alternative (Preferred Alternative) includes the Year 2030 Proposed Land Use Plan, plus a combination of Transportation Alternatives One through Four. The preferred roadway network was selected based on land use objectives and analysis of peak hour roadway data. The Preferred Alternative will be carried forward to be assessed with the TIMP mitigations. Under the Preferred Alternative, the following changes were analyzed:

- Addition of angled parking along Chatsworth Street, from Zelzah Avenue to Amestoy Avenue.
- Incorporation of bicycle lanes along Sesnon Boulevard, from Balboa Boulevard to Bradford Place, and bicycle friendly street, from Bradford Place to Aliso Canyon (western community plan boundary). Addition of trails along Sesnon Boulevard, from Cascade Canyon to Aliso Canyon.
- Incorporation of bicycle lanes along San Fernando Mission Boulevard, from I-405 to Louise Avenue, and a bicycle friendly street, from Louise Avenue to Aliso Canyon.
- Incorporation of bicycle lanes along Devonshire Street, from Aliso Canyon to I-405 (eastern community plan boundary).
- Incorporation of bicycle lanes along Balboa Boulevard, from San Fernando Road to Lassen Street.
- Implementation of the adopted City Bicycle Plan, which includes new categories of bikeways, including “Bicycle Friendly Streets”.
- Implementation of the Granada Hills-Knollwood Trail System.

Table 20 shows the Preferred Alternative arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately



20 percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (144 of 724 Links) in the Preferred Alternative scenario. The volume-weighted V/C ratio is 0.952, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 95.2 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS E, which indicates that overall, operating conditions are less than desired. However, the roadway alternatives selected for the Preferred Alternative scenario provide additional amenities for pedestrians and bicyclists in the Community Plan Area. **Table A-8** in the Appendix shows the Preferred Alternative level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area.

**TABLE 20 YEAR 2030 PREFERRED TRANSPORTATION ALTERNATIVE – ARTERIAL SUMMARY**

Preferred Alternative Traffic Conditions	
VMT	368,535
VHT	11,386
Avg. Speed (mph)	32
Weighted Avg. V/C	0.952
Links at LOS E or F	144
% of Links at LOS E or F	20%

**Table 21** includes a comparison of the Preferred Alternative to the Current Land Use Plan and Existing Traffic Conditions. The Preferred Alternative has slightly lower VMT and VHT and V/C than the Current Land Use Plan, and forty additional links that operate at LOS E or F. Both the Current Land Use Plan and the Preferred Alternative have higher VMT, VHT, V/C and number of links at LOS E or F than the Existing Traffic Conditions.

**TABLE 21 COMPARISON – EXISTING TRAFFIC CONDITIONS – YEAR 2030 CURRENT LAND USE PLAN WITH COMMITTED NETWORK AND YEAR 2030 PREFERRED TRANSPORTATION ALTERNATIVE**

PM Peak Hour Data	Existing Traffic Conditions	Current Land Use Plan	Preferred Alternative
VMT	243,454	367,290	368,535
VHT	5,804	11,329	11,386
Avg. Speed	42	32	32
Weighted V/C	0.598	0.898	0.952
Links at LOS E or F	19	104	144
% of Links at LOS E or F	3%	14%	20%

**3.2.7 CONCLUSIONS ABOUT 2030 FUTURE ALTERNATIVES**

The Proposed Land Use Plan causes little change to transportation conditions in the Granada Hills-Knollwood Community Plan Area as compared to the Current Land Use Plan. All 2030 analyses showed higher VMT, VHT, V/C and number or links at E or F than the Existing Traffic



Conditions. The roadway link level of service analysis and aggregate statistics, such as vehicle miles of travel (VMT) show little change with the Proposed Land Use Plan, and the alternatives show little overall change. With the relatively limited number of opportunities to provide additional roadway capacity in Granada Hills-Knollwood through the addition of travel lanes, the number of the arterial roadway segments projected to be at capacity in 2030 are very similar among the alternatives that were analyzed.

A summary of the roadway link levels of service and aggregate statistics are shown in **Table 22**. The Preferred Alternative generally shows the lowest VMT and VHT of the modeled alternatives, but the average V/C is slightly higher than some of the alternatives.

**TABLE 22 SUMMARY – ALL ALTERNATIVE STATISTICS**

Scenario	VMT	VHT	Avg. Speed	Weighted V/C	Links at LOS E or F	% of Links at LOS E or F
Existing Traffic Conditions	243,454	5,804	42	0.598	19	3%
Current Land Use Plan	367,290	11,329	32	0.898	104	14%
Proposed Land Use Plan	371,390	12,264	30	0.948	114	16%
Transportation Alternative One*	360,143	10,143	36	0.853	106	15%
Transportation Alternative Two *	364,264	11,265	32	0.767	80	11%
Transportation Alternative Three *	368,256	11,065	33	0.903	112	15%
Transportation Alternative Four *	363,568	11,290	32	0.896	128	18%
Preferred Alternative	368,535	11,386	32	0.952	144	20%
* Alternative uses an interim land use plan; therefore the statistics should only be compared to each other, not the Current or Proposed Land Use Plans.						

## 4.0 PROPOSED TRANSPORTATION IMPROVEMENT AND MITIGATION PROGRAM – PROPOSED GRANADA HILLS-KNOLLWOOD COMMUNITY PLAN

This chapter summarizes the long-term regional transportation improvement plans in the area, followed by the key elements of the proposed Granada Hills-Knollwood Community Plan Transportation Improvement and Mitigation Program (TIMP).

### 4.1 REGIONAL IMPROVEMENT PLANS

A number of regional improvement plans affect transportation in the Granada Hills-Knollwood area, including the Los Angeles County Congestion Management Program (CMP) and the 2009 Long-Range Transportation Plan (LRTP) prepared by the Los Angeles County Metropolitan Transportation Authority (Metro), and the 2008 Regional Transportation Plan Update (RTP), “Making the Connections” prepared by the Southern California Association of Governments (SCAG).

- The Los Angeles County CMP is a state mandated program that is the monitoring and analytical basis for transportation funding decisions made through the State Transportation Improvement Program (STIP) process. The LRTP is a strategic document that serves as a framework for meeting current and projected mobility needs for Los Angeles County. The Plan recommends highway, bus, rail and demand management improvements, and identifies funding sources and implementation schedules over the 20-year period.
- The 2009 LRTP also includes funding for general categories of improvements, such as Arterial Improvements, Non-motorized Transportation, Rideshare and Other Incentive Programs, Park-and-Ride Lot Expansion, and Intelligent Transportation System (ITS) improvements for which Call For Project Applications can be submitted for projects in the Plan area.
- The 2008 Regional Transportation Plan (RTP) was approved in May 2008 by the Southern California Association of Governments (SCAG). The RTP is a planning document that serves as the Regional Transportation Plan required under State and Federal statute. The RTP forecasts long-term transportation demands, and identifies policies, actions, and funding sources to accommodate those demands. The RTP identifies the construction of new transportation facilities; as well as transportation systems management (TSM), transportation demand management (TDM), and land use strategies.

The RTP is financially constrained, and must demonstrate that all projects in the constrained plan have adequate funding. The RTP consists of:

- The Regional Transportation Improvement Program (RTIP) which represents the first six years of already-committed funding for projects.
  - The Financially Constrained RTP, which includes all projects that can be reasonably funded within the planning horizon of the RTP, along with the RTIP projects.
  - The Strategic Plan which represents projects of merit that do not currently have sufficient funding, and should be considered for funding in the future.
- The RTP includes the following projects in the Granada Hills-Knollwood Community Plan Area:
    - I-5/SR 14 Interchange and direct connect HOV connectors
    - San Fernando Road Metrolink Bike Path - provides amenities for vehicular traffic, pedestrian and bicycles from Astoria Street to Sayre Street
    - Add HOV lanes to I-5 Freeway between SR-14 and SR-118
  - There are many regional policies in the RTP related to integrated transportation and land use planning for reducing transportation system demands and encouraging alternative modes of transportation that are supported by Granada Hills-Knollwood Community Plan TIMP policies. These include:
    - Identify regional strategic areas for infill and investment
    - Structure the plan on a three-tiered system of centers development related to existing, planned and potential transportation infrastructure
    - Develop “complete communities” with mixed use districts
    - Develop nodes on corridors
    - Plan for additional housing and jobs near transit
    - Plan for changing demands in types of housing
    - Continue to protect stable existing single family areas
    - Ensure adequate access to open space and habitat preservation
    - Incorporate local input and feedback on future growth
    - Promote land use patterns supportive of goods movement and logistics industries

### 4.2 PROPOSED TRANSPORTATION IMPROVEMENT AND MITIGATION PROGRAM (TIMP)

California has passed laws addressing climate change. AB 32 and SB 375 must be adhered to when developing a local community plan. AB 32 requires a reduction in Green House Gas Emissions, while SB 375 relates climate change standards outlined in AB 32 to land use plans

and must be adhered to when implementing the Granada Hills-Knollwood Community Plan. SB 375 requires that metropolitan planning organizations (MPOs) include sustainable communities' strategies (SCS), as defined in their regional transportation plans (RTPs) for the purpose of reducing greenhouse gas emissions; aligning planning for transportation and housing; and creating specified incentives for the implementation of the strategies. The Granada Hills-Knollwood Community Plan is a local community plan that must be consistent with the Citywide transportation policies. The Granada Hills-Knollwood Community Plan TIMP includes policies and programs that will further the goals of these two legislative initiatives.

The proposed Granada Hills-Knollwood Community Plan Transportation Improvement and Mitigation Program consists of the following elements:

- Transportation System Management (TSM) Strategies
- Transit Improvements
- Non-Motorized Transportation
- Transportation Demand Management (TDM) Strategies
- Capital Improvements
- Neighborhood Traffic Management Plans
- Parking Policies

#### 4.2.1 *TRANSPORTATION SYSTEMS MANAGEMENT STRATEGIES*

Transportation Systems Management Strategies are strategies to increase the efficiency of existing transportation infrastructure through traffic engineering and traffic operation control, by monitoring and synchronizing traffic signals, imposing peak period parking restrictions, making improvements to intersections and other measures. The following are TSM strategies that could be used in the Granada Hills-Knollwood Community Plan Area:

- Install Automated Traffic Surveillance and Control (ATSAC) at all newly signalized intersections. Upgrade equipment and strategies as new technologies evolve.
- Implement or enhance "Smart Corridors" to coordinate Caltrans' freeway traffic management system with the ATSAC/ATCS highway and street traffic signal management system to enhance incident management and motorist information and reduce traffic delays. This would coordinate signals between Caltrans and LADOT jurisdictions.
- Improve the enforcement of all parking restrictions in Granada Hills-Knollwood including tow away response.
- Identify and implement intersection improvements, including channelization, turn lanes, signal modifications, and turn restrictions on all Major Class II and Secondary Highways, and along some Collector streets, throughout the Granada Hills-Knollwood Community Plan Area.
- Support the installation of a Citywide Traveler Information System to alert motorists to impending street closures and other events which block traffic.

The major components of Transportation Systems Management (TSM) strategies are summarized and discussed in this section. In the previous sections it has been shown that increases in congestion are projected to occur throughout the Community Plan when compared to 2005 conditions. From a practical or financial standpoint, there is limited opportunity to widen streets to resolve the congestion problem, except, perhaps, at isolated intersections when the adjacent properties redevelop. Roadway widening resulting in narrowed sidewalks and/or parkways, would also be counter-productive to the goal of enhancing the pedestrian environment. As a result, many of the improvements included in the Granada Hills-Knollwood Community Plan TIMP utilize transportation system management strategies. These include the following:

- Signalization Improvements - The City of Los Angeles is implementing the second phase of the Automated Traffic Surveillance and Control (ATSAC) signal system. The ATSAC system applies smart corridor technology to traffic signal controls through a series of signal timing enhancements that are designed to manage and minimize congestion at intersections. Phase II of this system is called Adaptive Traffic Control System (ATCS). This system takes the smart corridor technology to a higher level, whereby the traffic signals along an entire street or corridor are optimized to balance traffic demand by direction. The full implementation of ATSAC and ATCS will have significant benefits in the Granada Hills-Knollwood Community Plan through the reduction of congestion. Studies have shown increases in the capacities of roadways by approximately seven percent upon integration of signal systems with ATSAC and an additional three percent with ATCS. These gains appear in the form of less congestion, and fewer delays and stops at intersections. Traffic flow is improved and in addition, system operations, monitoring and control are significantly enhanced. This system is currently under construction in Granada Hills-Knollwood, and should be fully operational in 2030.
- Parking Restrictions - It is common in many parts of the City of Los Angeles for Major and Secondary Highways to provide additional capacity in the peak periods by converting the curb lane to a travel lane and prohibiting parking. As other traffic congested areas with on-street parking are identified, these may also be studied for peak period parking restrictions.
- Left Turn Lanes or Turn Prohibitions at Intersections – There are many locations throughout Granada Hills-Knollwood where left turns are made from a shared through-left turn lane. This often causes the through traffic lane to be blocked as left-turning vehicles wait for a gap in the opposing traffic, thereby significantly reducing the capacity of the street. Most noticeably, this occurs at unsignalized intersections. The provision of exclusive left turn lanes through the removal of some on-street parking and re-striping the intersection approaches with left turn lanes within the existing curb-to-curb width is one opportunity to increase the through capacity of such streets. An alternative approach to increasing capacity of such corridors without roadway widening is to

prohibit left turns from a shared through/left-turn lane during peak periods, which may be desirable along heavily traveled roadways.

#### 4.2.2 *TRANSIT IMPROVEMENTS*

The Los Angeles Citywide General Plan Framework Transportation Improvement and Mitigation Program contain seven transit recommendations:

1. Collaborate with other local, regional, state and federal agencies to expand Citywide bus service miles by five percent per year to support significant increases in transit ridership.
2. Increase transit service along high demand routes and corridors in transit dependent areas to reduce bus overcrowding.
3. Provide additional express and local bus service along major transit corridors to augment future rail service and reduce congestion along congested corridors.
4. Provide shuttles and other services that increase access to and within centers, districts, and mixed-use boulevards to encourage growth and to mitigate traffic impacts of that growth.
5. Increase accessibility in areas with high transit dependence, reduce the unit cost of service delivery, and create entrepreneurial opportunities, by developing alternative community based services, expanding existing community based services, and participating in demonstration projects.
6. Seek maximum opportunities for entrepreneurial services and other private sector initiatives through such strategies as demonstration programs and financial incentives.
7. Implement one supplemental program per year to provide transit between depressed residential areas and work opportunities.

Some of the strategies mentioned above, such as the first recommendation, are regional in scope and cannot be implemented in just one planning area such as Granada Hills-Knollwood. However, given the nature of the Granada Hills-Knollwood Community Plan Area, improvements to the transit system in this area may result in additional accessibility to all other areas of the City. Continued support of connections to and from the Metrolink Station provides additional transit access to areas within the Granada Hills-Knollwood Community Plan Area. The second and third recommendations, dealing with high-demand corridors are also regional in nature but have been included in the Metro's countywide plan and in the Regional Transportation Plan.

### *PUBLIC TRANSPORTATION*

Improvement of the public transportation system to meet future increases in trip demand in the Granada Hills-Knollwood area due to use of the private automobile should be considered. Both peak hour commuter and local community service could be improved.

The following improvements should be encouraged during the next five years:

1. *Metrolink Station* – Encourage additional transit linkages and amenities near the Sylmar Metrolink Station. As a transit hub, the Station has many opportunities to provide alternatives to the automobile, especially for Granada Hills-Knollwood residents.
2. *Carpools* - Computerized data systems for forming carpools need to be expanded and improved. Employers should encourage, where possible, use of carpools through incentives such as preferential parking.
3. *Staggered Work Hours* - Work hours need to be staggered where feasible in order to spread peak hour traffic, reduce congestion, and allow more efficient use of both buses and the street system.
4. *Bus System* - More buses are needed for both express and local service. More frequent service and additional routes are necessary. Specialized service such as expanded Metro Rapid and Metro Express bus systems, minibuses and demand response (dial-a-ride) may be appropriate in some areas.
5. *Preferential Bus/Carpool Lanes* – Investigate the potential to develop preferential and/or exclusive lanes on appropriate surface streets and freeways to facilitate the movement of buses and carpools.
6. *Street Improvements* - Jog eliminations, street widening, bus bays or turnouts and improved traffic signal systems could facilitate the movement of buses and carpools.

### *TRANSIT PRIORITY*

Currently, in the Granada Hills-Knollwood Community Plan Area, Balboa Boulevard is designated as a transit priority street. Transit priority streets generally serve regional centers, major economic activity areas and rail stations and are developed to enhance the speed, quality and safety of transit service. In order to promote transit usage by commuters who currently drive, transit should be made more competitive, convenient and reliable by linking urban form and transit opportunities. Priority should be given to:



- Reduce the overall travel time (total of actual travel and waiting time)
- Maintain transit fares low enough to capture some auto drivers
- Improve adherence to schedules

Below are examples of possible strategies that would help to achieve the above-identified goals:

- Signal coordination, upgrade or replacement to enhance overall traffic flow
- Public transit signal priority to increase bus travel speeds and lower transit times
- Improve street signage and striping placement

These strategies can be most effectively realized when transit facilities are given priority in land use planning and urban form development. Within pedestrian oriented areas, an emphasis is placed more on the movement of people than automobiles. For example, transit priority roadways would be established on those routes that have three or more bus lines having a 10-minute or shorter headway in the PM peak period. These roads not only carry higher volumes of transit activity but also carry the largest volumes of commute period bus riders, whose destinations include the residential portions and community activity centers within the Granada Hills-Knollwood Community Plan Area.

### *TRANSIT CONNECTIVITY*

In order to improve transit connectivity in the Granada Hills-Knollwood Area, policies must be implemented that provide adequate pedestrian and bicycle facilities as well as multi-modal transit centers. This will maximize potential ridership and ease the transfer process from one mode to another. The following policies contribute to increasing transit connectivity:

- Improve the safety, ease and convenience of using transit by making improvement to transit waiting areas, including lighting, shelters, benches and adequately sized waiting areas.
- Recommend that development projects provide transit amenities such as shade trees, bus shelters, bicycle racks or lockers and stamped crosswalks located at intersections served by different transit modes, or intersections Metro identifies as major transfer nodes.
- Consider the provision of transit amenities as a traffic mitigation measure in discretionary projects.
- Support Metro's plan to construct multi-modal transit centers at locations served by various types of transit.
- Encourage large commercial, residential and mixed-use projects to include on-demand shuttle services to major transit stations and major activity centers or destinations in and around Granada Hills-Knollwood.
- Encourage developments to offer monthly transit commuters discounts on transit passes.

- Support the location of taxi layover and pick up zones near transit stations and major pedestrian destinations.
- Support the implementation of bike-transit centers (similar to the Long Beach Bike Station) to provide commuters a place to store their bicycles and obtain bicycle repairs, accessories, and drinking water.
- Improve on-street bicycle access to bicycle commuter facilities at Metro bus stops.
- Expand LADOT City Ride program.
- Expand shuttle routes to supplement other paratransit services.
- Provide vehicle ingress and egress to project sites that minimize interference with bus traffic.
- Minimize driveways along streets served by articulated buses.
- Support increased bus service along high demand routes
- Periodically review DASH routes to ensure maximum ridership.
- Support development of coordinated intermodal public transit plans to implement future public transit services.
- Provide enhanced amenities at major transit stops, including widened sidewalks, when possible, pedestrian waiting areas, transit shelters, enhanced lighting, improved crosswalks, information kiosks, and advanced fare collection mechanisms.

#### 4.2.3 *NON-MOTORIZED TRANSPORTATION POLICIES*

##### *BICYCLE POLICIES*

The Los Angeles City Council approved the 2010 Bicycle Plan. The Plan represents a new commitment by Los Angeles to complete streets, and recognizes that the roadway system needs to accommodate modes of travel other than motorized vehicles. The proposed Granada Hills-Knollwood TIMP provides focus for bicyclists at the community level. Several Bicycle Priority streets are currently identified within the Community Plan Area:

- Sesnon Boulevard
- San Fernando Mission Boulevard
- Devonshire Street
- Woodley Avenue.

The purpose of developing bicycle policies for Granada Hills-Knollwood is to enhance the safety of and convenience for bicyclists during their trips as well as provide them with facilities to store their bicycles when they reach their desired destination. The safety of other transit modes must also be taken in consideration when developing a comprehensive bicycle policy. The following set of recommendations addresses these concerns:

- Add neighborhood linkages to the Citywide and neighborhood bicycle networks.
- Increase the number of Bicycle Lanes and/or improve the quality of the street right of way for bicyclists.

- Increase the supply of quality bicycle parking in City facilities, and develop citywide bicycle parking standards.
- Build a system of safe, convenient and attractive Bikeways to promote bicycling as an option.
- Promote bikeway connectivity to connect residential neighborhoods to schools, open space areas, employment centers and other community-serving uses.
- Implement the Los Angeles Bicycle Plan
- The proposed Plan with Preferred TIMP Alternative include:
  - **Bicycle Lanes –**
    - Sesnon Boulevard from western community plan boundary to Balboa Boulevard.
    - San Fernando Mission Boulevard from Louise Avenue to eastern community plan boundary.
    - Devonshire Street western community plan boundary to eastern community plan boundary.
    - Balboa Boulevard from Lisette Street to Lassen Street.
  - **Bicycle Routes -**
    - Chatsworth Street from the Western Community Plan boundary to the Eastern Community Plan boundary – Future Bicycle Route
  - **Bicycle Friendly Streets -**
    - Lindley Avenue from San Fernando Mission Road to the Southern Community Plan boundary – Bicycle-Friendly Street
    - White Oak Avenue from San Fernando Mission Boulevard to the Southern Community Plan boundary – Bicycle-Friendly Street
    - Louise Avenue from Index Street to Chatsworth Street – Bicycle-Friendly Street
    - Shoshone Avenue from Nugent Drive to Rinaldi Street – Bicycle-Friendly Street
    - Nugent Drive from Shoshone Avenue to Bradford Place – Bicycle-Friendly Street
    - Bradford Place from Cascade Canyon Drive to Signature Drive – Bicycle-Friendly Street
    - Signature Drive from Bradford Place to El Oro Way – Bicycle-Friendly Street
    - El Oro Way from Signature Drive to Midwood Drive – Bicycle-Friendly Street
    - Midwood Drive from El Oro Way to Balboa Boulevard – Bicycle-Friendly Street
    - Cascade Canyon Drive from Sesnon Boulevard to Bradford Place – Bicycle-Friendly Street
    - Sesnon Boulevard from 773 feet west of Longacre Avenue to Cascade Canyon Drive – Bicycle-Friendly Street
    - Woodley Avenue from Balboa Boulevard to Rinaldi Street – Bicycle-Friendly Street
    - San Fernando Mission Boulevard from Lindley Avenue to Louise Avenue – Bicycle-Friendly Street
    - Mayall Street from the Western Community Plan boundary to the Eastern Community Plan boundary – Bicycle-Friendly Street
- Recommended bicycle facilities identified in the adopted City Bicycle Plan requiring further studies include:

- **Bicycle Paths**
- Zelzah-Woodley Powerline Path from 1277 feet west of Zelzah Avenue to Woodley Avenue – Future Bicycle Path
- Aliso Creek Canyon from South Community Plan boundary to SR-118 – Future Bicycle Path
- **Bicycle Lanes**
- White Oak Avenue from Rinaldi Street to San Fernando Mission Boulevard – Future Bicycle Lane
- Louise Avenue from Rinaldi Street to Index Street – Future Bicycle Lane
- Balboa Boulevard from Woodley Avenue to the Southern Community Plan boundary – Future Bicycle Lane
- Balboa Boulevard from Woodley Avenue to 940 feet south of San Fernando Road – Existing Bicycle Lane
- Balboa Boulevard from 940 feet south of San Fernando Road to San Fernando Road – Future Bicycle Lane
- San Fernando Road from Northern Community Plan boundary to Eastern Community Plan Boundary – Future Bicycle Lane
- Devonshire Street from Hayvenhurst Avenue to Haskell Avenue – Existing Bicycle Lane
- Rinaldi Street from the Western Community Plan Boundary to the Eastern Community Plan boundary – Existing Bicycle Lane
- Provide the following amenities: expanded Bicycle Lanes and Bicycle-Friendly Streets Share the Road bicycle icons; bicycle friendly drainage ditches; directional/way finding signage; and bicycle push buttons or bicycle signals; bicycle loop detectors.
- Place bicycle facilities in new non-residential developments.
- Enforce LAMC 12.21-A16; which requires bicycle storage areas in all new non-residential developments and public spaces.
- Promote bicycle safety.
- Coordinate with Metro and LADOT to secure funding for bikeway maintenance and bicycle safety education.

#### *PEDESTRIAN POLICIES*

Enhancing walkability is a key concern to Granada Hills-Knollwood area residents. Providing features that allow a pedestrian to have a sense of safety and comfort is the most effective way to increase the area’s walkability. The following policies can enhance walkability:

- Improve sidewalks, streets, street walls and alleys to encourage walking.
- Construct sidewalks in areas where gaps exist.
- Allow variation from street standards at intersections to allow wider sidewalks
- Implement street re-designation recommendations to widen sidewalks where possible.

- Use building materials and design features that create a feeling of safety and comfort for pedestrians: permeable pavement, street benches, shrubs, trees for shading, public art, and appropriate lighting.
- Provide clean and safe sidewalks (maintenance).
- For streets with high volumes of pedestrian traffic the following should be addressed:
  - Building frontages
  - Building signage and lighting
  - Sidewalk treatments
  - Crosswalk and street crossing
  - On-street parking
  - Off-street parking near driveways
  - On-site landscaping
- Coordinate with Bureau of Engineering to facilitate sidewalk dining permits.
- Maintain Granada Hills-Knollwood's existing public rights of way including streets and walk ways for public use.
- Preserve or maintain existing alleys at the rear of lots that front major or secondary highways
- Prohibit curb-cuts on streets with a high volume of pedestrian traffic when alternative access exists.
- Support alternative crossing systems such as diagonal crossing to expedite pedestrian crossing at intersections that have high levels of pedestrian traffic.
- Pursue funding sources to provide pedestrian amenities in Granada Hills-Knollwood.
- Support Safe Routes to School program implementation.
- Support the use of a traffic impact fee, tax increment monies, grant money, bonds and other financing measures, for pedestrian amenities in Granada Hills-Knollwood.
- Consider the effects of traffic mitigation measures on pedestrians in order to avoid adverse impacts on high volume pedestrian locations.

#### *PEDESTRIAN-ORIENTED AREAS*

Pedestrian-priority areas or street segments are those areas or facilities where pedestrians and their treatment are the priority. Typically, these streets can serve as open space in both the daytime and nighttime, and are served by buildings with ground floor retail and services and sidewalks that are wide, lined with open canopied street trees and have pedestrian scale lighting. Pedestrian Priority Streets are described in the Transportation Element as streets that make pedestrians a priority by allowing for wider sidewalks (15 to 17 feet), curb side parking, wide crosswalks and signals that allow longer crossing times for pedestrians. Currently, Chatsworth Street from Zelzah Avenue to Andasol Avenue is designated as a Pedestrian Priority Street.

#### 4.2.4 *TRANSPORTATION DEMAND MANAGEMENT STRATEGIES*

Transportation Demand Management (TDM) is the application of strategies and policies to reduce travel demand (specifically that of single-occupancy private vehicles), or to redistribute this demand in space or in time. Increasingly, there is recognition of the value of using TDM to solve local traffic and mobility problems. In many areas of the City of Los Angeles, it is no longer feasible to widen roadways or intersections to provide increased capacity for accommodating growth. Recent State of California legislation regarding Greenhouse Gas reduction (AB 32 and SB 375) and similar efforts nationwide to reduce vehicle miles travelled also emphasize reducing travel rather than accommodating more vehicle trips. TDM can be highly cost effective in reducing trips if: (1) there is a specific problem to be solved, (2) participants are motivated to solve the problem, and (3) there is support to affect change.

Significant trip reductions (as compared to existing trip making) have been achieved at individual sites and mixed use sites when these conditions have existed. Transit-friendly site design elements and car- and vanpool parking spaces, when included as a condition of development approval can help achieve reductions in trip generation. TDM requirements affecting property owners and developers that are implemented as part of city policy through Trip Reduction Ordinances (TRO), the Transportation Element, the Congestion Management Plan, and specific plans provide tools to mitigate the effect of traffic generated by new developments.

Transportation Demand Management plans have also been accepted by the City's Department of Transportation as part of the environmental review process and mitigation for recent developments in Los Angeles. This is in recognition of the fact that in many areas it is not feasible to continue to widen streets or add capacity to accommodate growth due to right of way constraints as well as secondary impacts of roadway expansion.

Other public policy issues to be considered in crafting a TDM program for the proposed Granada Hills-Knollwood Community Plan TIMP include:

- Recognition of the dynamics between land use and travel demand in local land use planning. Effective land use policies can help the area's economy by ensuring convenient access and high levels of mobility safeguarding environmental quality; and
- Creating a tangible return on investments in public services and infrastructure for those asked to provide financial support for TDM programs;
- A reluctance of the government agencies to add regulatory burdens that affect the region's economy;
- Inability to add capacity due to right of way constraints or secondary environmental impacts, in many areas of the City of Los Angeles; and
- Growing importance of trip reduction in supporting sustainable development patterns and reduction in Greenhouse Gases.

## *INSTITUTIONAL COORDINATION*

There are many organizations involved in the planning, funding and delivery of trip reduction programs including the Southern California Association of Governments (SCAG), the Los Angeles County Metropolitan Transportation Authority (Metro), various Transportation Management Associations (TMA), and local cities. Key institutional issues affecting the planning for and delivery of TDM actions in the Granada Hills-Knollwood Community Plan Area include:

- The Los Angeles County Metropolitan Transportation Authority (Metro) supports the development, funding, and delivery of TDM activities in Los Angeles County. It oversees the County's Congestion Management Program including the TDM element requiring each jurisdiction to have a TDM ordinance to reduce vehicle trips at work sites with a particular emphasis on managing trip making at sites being developed. Metro distributes funds for TDM projects biennially on a competitive basis. A review of prior TDM projects must be conducted to determine their effectiveness in order to guide future investments.
- Local cities and developers also have taken responsibility for delivering TDM services often through Transportation Management Associations. Communities and major development areas with TMAs will be better prepared to respond to specific local needs. SCAG will be looking to deliver their rideshare services through TMAs. City or developer sponsored TMAs should be considered where the amount and type of development would warrant such a program. Generally, this would include a significant amount of office, retail and/or other commercial land uses clustered in a specific project area.

## *TECHNOLOGY*

Information technology is being embraced as a means for removing the need to travel, opening up opportunities that improve productivity at work, and increasing telecommuting and working at home. In regard to TDM, the use of technology has been demonstrated in:

- The development of real time ride-matching capabilities along with use of mapping.
- Use of computerized transportation information displays.
- The growing incidence of work occurring away from an office including at home on a part-time basis, and home-based businesses.
- In-vehicle navigation systems including vehicle tracking and dispatching systems.
- Availability of, and improvement of, traffic condition reports, including 511 systems.
- Better "real-time" information for transit riders including bus/train arrival times.
- The use of communication technology as a substitute for trip making.
- Use of car sharing systems.

TDM programs need to consider how technology can improve operations, customer access and convenience for people working outside of the standard workplace.



*CITYWIDE POLICY CONTEXT*

## GENERAL PLAN TRANSPORTATION ELEMENT

The Transportation Element of the General Plan establishes a citywide strategy to achieve long-term mobility and accessibility within the City of Los Angeles. With respect to Transportation Demand Management, it includes Goals, Objectives and Policies that guide demand management in the city. The goals and objectives related to reducing trips through programs and policies are summarized below. Recommendations for TDM measures in the Granada Hills-Knollwood Community Plan should be consistent with adopted City policies listed below.

**GOAL A**

Adequate accessibility to work opportunities and essential services, and acceptable levels of mobility for all those who live, work, travel, or move goods in Los Angeles.

**Objective 1**

Expand neighborhood transportation services and programs to enhance neighborhood accessibility.

**Objective 2**

Mitigate the impacts of traffic growth, reduce congestion, and improve air quality by implementing a comprehensive program of multimodal strategies that encompass physical and operational improvements as well as demand management.

**Objective 3**

Support development in regional centers, community centers, major economic activity areas and along mixed-use boulevards as designated in the Community Plans.

**Objective 4**

Preserve the existing character of lower density residential areas and maintain pedestrian-oriented environments where appropriate

**Objective 5**

Incorporate available local, state, and federal funding opportunities to provide sufficient financing for transportation improvements and programs.

**Objective 6**



Provide an ongoing evaluation of transportation programs to determine whether the goals and objectives of the Citywide General Plan Framework and this element are being met, or if these goals and objectives should be modified to reflect changing circumstances.

CITY OF LOS ANGELES MUNICIPAL CODE

Los Angeles City Municipal Code section 12.26. contains required Transportation Demand Management and Trip Reduction measures as described in the following paragraphs. Within the City’s municipal code, Transportation Demand Management (TDM) is defined as the alteration of travel behavior through programs of incentives, services, and policies, including encouraging the use of alternatives to single-occupant vehicles such as public transit, cycling, walking, carpooling/vanpooling and changes in work schedule that move trips out of the peak period or eliminate them altogether (as in the case in telecommuting or compressed work weeks). Trip Reduction is defined as reduction in the number of work-related trips made by single-occupant vehicles. Specific requirements for developments of various sizes are summarized from the code below.

- Development in excess of 25,000 square feet of gross floor area shall provide a bulletin board, display case, or kiosk (displaying transportation information) where the greatest number of employees are likely to see it. The transportation information displayed should include, but is not limited to current routes and schedules for public transit serving the site; telephone numbers for referrals on transportation information including numbers for the regional ridesharing agency and local transit operations; ridesharing promotion material supplied by commuter-oriented organizations; regional/local Bicycle Route and facility information; and a listing of on-site services or facilities that are available for carpoolers, vanpoolers, bicyclists, and transit riders.
- Development in excess of 50,000 square feet of gross floor area shall provide the above plus: (1) designated parking areas for employee carpools and vanpools as close as practical to the main pedestrian entrance(s) of the building(s); (2) one permanent, clearly identified (signed and striped) carpool/vanpool parking space for the first 50,000 to 100,000 square feet of gross floor area and one additional permanent, clearly identified (signed and striped) carpool/vanpool parking space for any development over 100,000 square feet of gross floor area; and (3) parking spaces clearly identified (signed and striped) shall be provided in the designated carpool/vanpool parking area at any time during the building’s occupancy sufficient to meet employee demand for such spaces. Absent such demand, parking spaces within the designated carpool/vanpool parking area may be used by other vehicles and other amenities.
- Development in excess of 100,000 square feet of gross floor area shall provide the above plus: (1) a safe and convenient area in which carpool/vanpool vehicles may load and unload passengers other than in their assigned parking area; (2) sidewalks or other designated pathways following direct and safe routes from the external pedestrian

circulation system to each building in the development; (3) possible bus stop improvements; and (4) safe and convenient access from the external circulation system to bicycle parking facilities on-site.

#### ADDITIONAL SPECIFIC TDM STRATEGIES FOR THE GRANADA HILLS-KNOLLWOOD COMMUNITY PLAN AREA

Additional specific TDM strategies may be appropriate based on the type of development patterns that evolve over time. Major considerations include the size of expected development projects, the land use density, the mix of uses and proximity to transit services. More dense projects with a mix of uses will support successful TDM programs more readily than smaller single use developments. Recommendations for TDM measures to be considered in the Granada Hills-Knollwood Community Plan Area, that may extend beyond the City municipal code requirements, will be based on:

- The area's employment, residential, travel, and demographic characteristics;
- Existing Community TDM-related transportation services and facilities;
- City of Los Angeles TDM policies and practices (e.g., requirement for TDM Plan for new developments, TDM Ordinance, and bicycle parking requirements);
- Implementation of projects and improvements that have been endorsed and/or improved (e.g., Citywide Bicycle Plan); and
- Available transit services within and near the community plan area.

Additional TDM strategies and measures recommended for the Granada Hills-Knollwood Community Plan Area may include:

- Support the creation of Transportation Management Associations (TMA) where there is the appropriate type of larger mixed use developments and in downtown Granada Hills-Knollwood.
- Support the provision of cash incentives for persons to find alternatives to the solo driver commute to work.
- Promote the use of shared cars as a stand-alone mobility option or as part of a multimodal trip chain.
- Promote the offer of merchant incentives to customers for using transit.
- Maintain existing shuttle services and develop expanded shuttle services, focused on access to major transit hubs and corridors.
- Encourage large residential, commercial, industrial, and mixed-use projects to provide shuttle services for tenants or employees to Metro and other transit hubs.
- Develop a financing mechanism to fund transportation programs that offer alternatives to the solo driver.

- Promote TDM Plans for individual developments where applicable and where needed to mitigate congestion impacts that cannot be mitigated by additional roadway system capacity. These plans could establish vehicle trip caps, a program for monitoring vehicle trips, and a system of incentives and penalties for meeting vehicle trip goals. TDM plans can be used a part of the mitigation package within traffic studies and environmental documents.
- Adopt a strategy for project-related vehicle trips to be mitigated through bicycle plan projects and/or programs.
- Encourage employers to adopt telecommuting policies and incentives for transit use.
- Support the dedication of on-street parking for shared cars in locations with high demand for shared cars.
- Encourage non-residential developments to provide employees with the option of flexible work schedules and onsite telecommuting facilities to minimize peak hour traffic congestion.
- For certain residential projects, designate a Transportation Coordinator to be appointed by its homeowner’s or tenant association boards whose responsibility will be to educate residents on transit services, distribute transit maps and schedules, survey and collect the resident’s ridership information, coordinate carpool and rideshare programs, and manage the distribution of the continual subsidy for monthly transit passes.
- Consider parking cash-out option for residents within designated residential projects. Cash-out means that the resident may not be required to pay for parking spaces which would not be used and the money could be used for other modes of travel.
- For appropriately sized commercial projects, provide a Guaranteed Ride Home for employees that do not drive to work. This service allows employees to leave their vehicles at home without feeling that they would be stranded should an emergency arise that requires transportation to their home area.

#### 4.2.5 CAPITAL IMPROVEMENTS

Major and Secondary Highways in the Granada Hills-Knollwood area should be improved and maintained to encourage their use rather than Local Streets through residential areas. Improvements should be phased according to need and be designed to minimize disruption to the residential and commercial areas that they serve. Low-cost, short-term improvements such as street parking restrictions, provision of adequate off-street parking, and management of local street intersections with major arterials should be emphasized. Green Street Standard Plans should be used when designing new streets or improving existing streets.

## ADDITIONAL FACILITY IMPROVEMENTS

There is the potential for other roadway and transportation improvements that may help facilitate transportation in Granada Hills-Knollwood. These include Intelligent Transportation Systems Improvements, as well as other roadway and freeway improvements.

- Intelligent Transportation Systems (ITS) Improvements – The ATCS system provides capacity improvements on the arterial highway system through the use of new technology to monitor traffic conditions and adjust the signal system accordingly. These and other applications of technology to transportation are referred to as Intelligent Transportation Systems (ITS). Some of the types of ITS elements that would be applicable in the Granada Hills-Knollwood Community Plan include the following:
  - Variable Message Signs (VMS) – VMS could be employed along key arterials to alert motorists to unusual circumstances ahead and alternate routes to avoid congestion. These would be particularly applicable to approach routes to Downtown Granada Hills-Knollwood when street closures are in effect. Movable VMS signs are currently employed in Granada Hills-Knollwood during special events, but a more permanent and attractive system of VMS trailblazer signs (smaller than the freeway VMS) along major corridors should be implemented.
  - Transit Information Kiosks/Next Bus Information - At major transit stops and transfer points, and other activity centers, real time information about transit services and the time at which the next bus will arrive should be employed.
  - Real Time Traveler Information - Internet services currently provide on-line transportation conditions that allow travelers to check traffic conditions or obtain feedback on the best route to take between a given origin and destination. Los Angeles County is conducting a demonstration project that allows drivers to receive updates on the recommended route via cell phone as conditions change during their journey.
- Intersection Improvements – There may be locations where intersection congestion causes drivers to seek alternate routes. Coordination with LADOT should be maintained in order to identify and improve any such locations.
- Freeway-related improvements - There is a freeway improvement planned in the vicinity of the Granada Hills-Knollwood Community Plan Area which would improve conditions on streets within the Community Plan Area.
  - I-5/SR 14 Interchange and direct connect HOV connectors
- Potential Freeway-access improvements - There are potential freeway access projects that may be investigated in the vicinity of the Granada Hills-Knollwood Community Plan

Area which may improve conditions for freeway access within the Community Plan Area. These would require extensive studies, and would involve both Caltrans and LADOT.

#### 4.2.6 *NEIGHBORHOOD TRAFFIC MANAGEMENT PLANS*

In the Granada Hills-Knollwood Community Plan Area, there is a predominance of local residential streets. As traffic volumes build up on the arterial street network, some drivers seek alternate routes on residential streets to avoid the arterial congestion. This is often referred to as "cut-through" traffic. Areas with grid system patterns of streets are particularly susceptible to cut-through traffic because the local streets are often parallel to major and secondary highways and provide convenient alternate routes. Similarly, areas with only limited arterial streets and collector streets connecting neighborhoods often experience cut-through traffic on those collectors when drivers look for alternate routes. Several of the neighborhoods in the Granada Hills-Knollwood Community Plan Area experience commuter cut-through traffic daily.

Plans are frequently developed to reduce the impacts of traffic on local residential streets by either slowing the speed of the traffic or reducing the volume of cut through traffic by making it harder for such vehicles to reach the residential streets. LADOT has been proactive in identifying areas where cut-through traffic exists, and implements measures to help discourage it through the use of stop signs and speed humps. As improvements are made to the arterial street system, cut-through traffic will also decrease. Upon request from members of the community or the Council office, the City should hold neighborhood meetings to identify where traffic or parking intrusion is considered a problem. Such meetings are important not only to identify the locations of problems, but also to discuss the pros and cons of potential solutions to the problems.

#### TRAFFIC CONTROL MEASURES

In addition to the methods currently used by LADOT, other traffic control measures may be considered. These types of neighborhood traffic control devices may be used to regulate, warn and guide traffic in residential areas:

- Diverters
- Semi-diverters or partial street closures
- Chokers (narrowing of the roadway)
- Turn Restrictions
- Turn Channelization
- Stop signs
- Traffic circles
- Speed humps
- Special pavement
- On-street Parking

- Bikeway Striping
- Warning or Advisory signs

Installation of certain types of traffic control devices such as stop signs, require satisfaction of specific criteria to justify their installation. LADOT must study conditions within the neighborhood to determine if the installation on such traffic control devices is warranted.

#### 4.2.7 *PARKING POLICIES*

Parking policies in Granada Hills-Knollwood, must allow flexibility in the application of existing parking requirements to improve the utilization of the existing parking supply and existing land in Granada Hills-Knollwood. A parking management district or districts may be created to enable the implementation of shared parking policies (e.g. evening parking uses for bank parking facilities and other parking resources). To support the parking needs of persons who do not own cars but use cars occasionally, parking policies must accommodate shared cars. Recommended parking policies include.

- Improve utilization of existing public parking structures and lots.
- Support the study of an Intelligent Parking System which uses electronic technology to provide information on the location and pricing of available parking in real-time. Consider the use of Intelligent Parking Systems to vary the price of parking minute-by-minute in response to changes in supply and demand.
- Support the creation of a parking management district or districts in areas of high parking demand which would allow motorists to park wherever vacant parking spaces exist within a group of shared parking facilities.
- Encourage creative thinking and flexibility in the provision of required parking within parking management districts or when a public parking facility is located within walking distance of a proposed development. For example, encourage the 24-hour use of off-site parking spaces.
- Maintain the existing number of publicly available parking resources in the downtown area of Granada Hills-Knollwood. For example; support of a No Net Loss policy will maintain the existing number of publicly available parking spaces within Granada Hills-Knollwood's downtown area.
- Encourage projects located within the downtown area to replace publicly available parking spaces which are lost to new development, on a one-for-one basis, by any of the following means:
  - On-site spaces
  - Off-site spaces obtained through private leasing arrangements
  - Off-site spaces obtained through alternative parking programs such as a parking management district.

- Provision of replacement parking may be considered a traffic mitigation measure by decision makers.
- Establish maximum parking requirements for individual projects. For example; consider existing LAMC parking requirements to be the maximum number of parking spaces allowed for projects.
- Require applicants for residential, mixed-use or commercial projects who request parking spaces that exceed the maximum to make the additional spaces requested available for use by the general public.
- Support parking programs that encourage transit use.
- Maximize the use of on-street parking spaces.
- Encourage multi-uses of loading zones. The loading zones could be used for parking during the times loading and unloading would not occur, such as evenings.
- Develop new off-street public parking resources, including parking structures and underground parking, in accordance with design standards.
- Support proposals to build parking structures that can be used by multiple customer groups in areas of high parking demand.
- Support construction of parking structures that can be converted to other uses in the long-term.
- Require ground-floor commercial uses in off-street parking facilities that are located in commercial areas.
- Apply the Citywide Urban Design guidelines for parking facilities.
- Encourage the screening and landscaping of parking lots. Promote use of permeable paving material on new and existing parking lots.
- Support the use of financing tools to increase parking capacity in Granada Hills-Knollwood.
- Promote the use of assessment districts and other financing tools as a means of constructing new parking structures in areas with parking deficits.

#### 4.3 FUNDING

The proposed Granada Hills-Knollwood Community Plan does not include a new funding mechanism to assist the City in implementing the elements of this TIMP. The City will rely on existing local and regional funding programs and the private sector to implement the policies and programs of the TIMP. One method that could be used to develop a new source of funding that would assess part of the costs of transportation improvements to new developments would be through a development impact fee program. The City would need to conduct a nexus study that clearly establishes the nexus between the trips generated by new development and the costs associated with the transportation improvements required to reduce the impacts of those developments. Such studies have been conducted in other areas of the City of Los



Angeles (Warner Center, West Los Angeles, Coastal Transportation Corridor) where traffic impact fees are now in place. A recommendation of this TIMP is to consider conducting a nexus study within applicable areas that can be used to determine:

- The impact of development anticipated by the Granada Hills-Knollwood Community Plan on traffic in Granada Hills-Knollwood.
- The cost of implementing prioritized traffic mitigation measures contained within the proposed Granada Hills-Knollwood Community Plan.
- A method of allocating the cost of implementing prioritized traffic mitigation measures to individual development projects.

The City could initiate a study to address funding mechanisms for transportation demand management programs, such as a Traffic Impact Fee, tax increments, bonds, grants, benefit assessment districts, and other financing options. They could also work to promote the establishment of Benefit Assessment Districts, which can fund capital improvements for transit and shared car options. However, due to the limited amount of large development potential in Granada Hills-Knollwood, this may not be a feasible method to help identify additional funding.

## **5.0 TRAFFIC CONDITIONS WITH TIMP**

### **5.1 EFFECTIVENESS OF TIMP TRIP REDUCTIONS**

The programs and policies of the TIMP that relate to reducing trip generation by various Granada Hills-Knollwood land uses will largely be implemented through private sector efforts to better design developments that accommodate alternate modes of travel and encourage residents and employees to rideshare and use alternate modes of transportation. In addition, TIMP programs for public improvements can be implemented through traffic studies for major developments and by Tentative Classification (“T”) conditions for zone changes, conditions of approval for Conditional Use Permits and tract conditions for subdivisions. If appropriate areas are identified that could justify a nexus study, an impact fee may also provide funding for some of the TIMP programs and policies.

It should also be noted that while it is expected that the mixed-use, transit-oriented development zones in Granada Hills-Knollwood will help reduce vehicle trips, the effectiveness of such strategies will not be fully effective until they have been more widely implemented throughout the region. If transit-oriented development is only located on one end of a two-way trip (origin and destination), the use of transit will be less than when in the future, both ends of the trip are located in transit oriented development areas.

### **5.2 YEAR 2030 PROPOSED LAND USE PLAN WITH TIMP**

The Year 2030 Preferred Transportation Alternative plus the inclusion of the TIMP policies, forms the Year 2030 Proposed Land Use Plan with TIMP (Proposed Land Use Plan with TIMP), and includes the modification of several roadway classifications, which were assessed under



Network Alternatives One through Four. Under the Proposed Land Use Plan with TIMP, the following changes were studied:

- Addition of angled parking along Chatsworth Street, from Zelzah Avenue to Amestoy Avenue.
- Incorporation of bicycle lanes along Sesnon Boulevard, from Balboa Boulevard to Bradford Place, and bicycle friendly street, from Bradford Place to Aliso Canyon (western community plan boundary). Addition of trails along Sesnon Boulevard, from Cascade Canyon to Aliso Canyon.
- Incorporation of bicycle lanes along San Fernando Mission Boulevard, from I-405 to Louise Avenue, and a bicycle friendly street, from Louise Avenue to Aliso Canyon.
- Incorporation of bicycle lanes along Devonshire Street, from Aliso Canyon to I-405 (eastern community plan boundary).
- Incorporation of bicycle lanes along Balboa Boulevard, from San Fernando Road to Lassen Street.

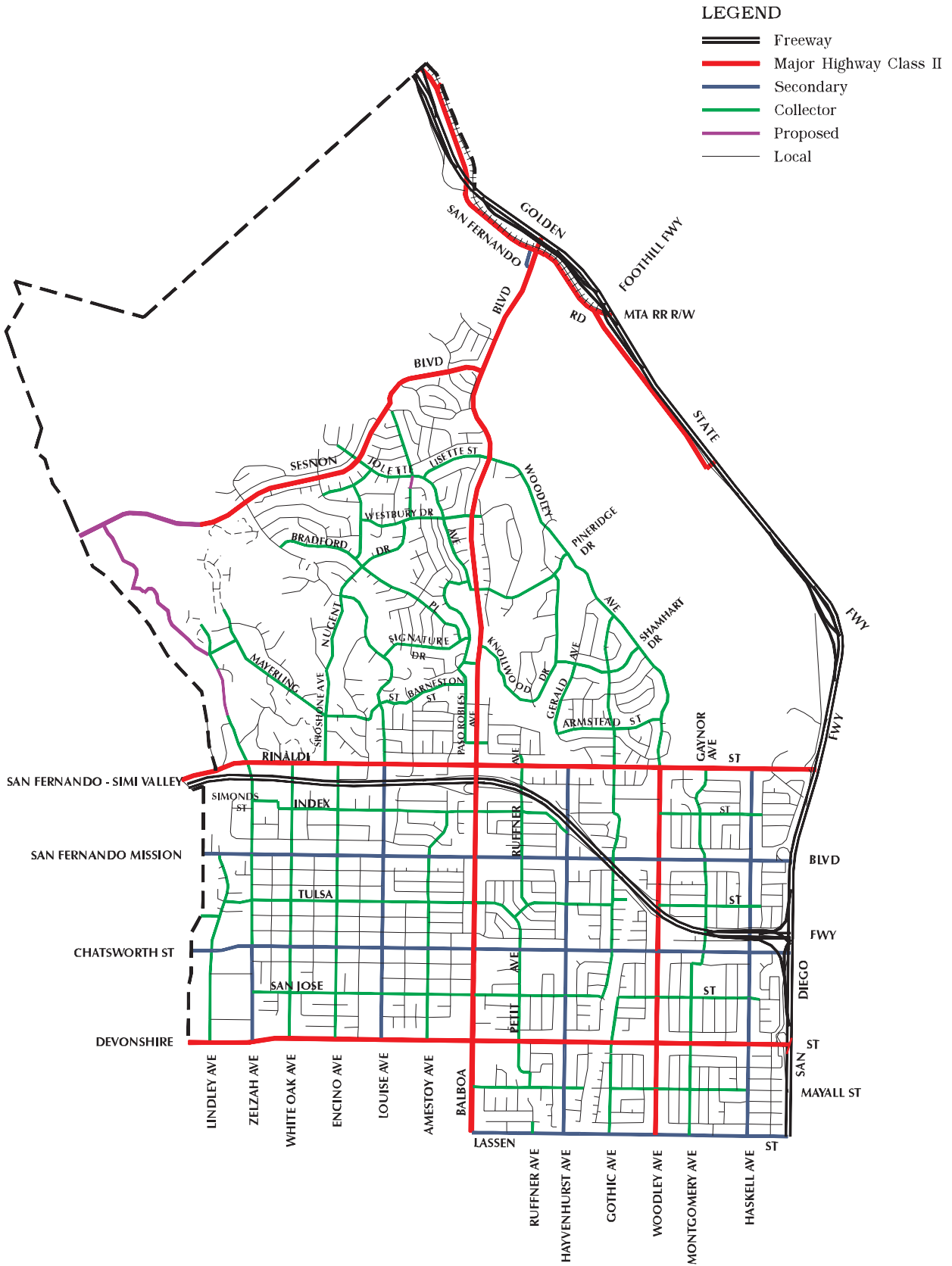
**Table 23** shows the Proposed Land Use Plan with TIMP arterial summary, which includes VMT, VHT and average speed. Roadway segments operating at LOS E or F (V/C of 0.91 or worse) were identified to ascertain the level of congestion expected in the future. A total of approximately twenty percent of Granada Hills-Knollwood roadways are forecast to operate at an LOS E and F (144 of 724 Links) in the Proposed Land Use Plan with TIMP. The volume-weighted V/C ratio is 0.952, which indicates that on average, the streets in the Granada Hills-Knollwood Community Plan Area would utilize approximately 95.2 percent of roadway capacity in the PM peak hour. The V/C ratio is at LOS E, which represents operating conditions that are less than desirable, but the plan does include improvements for other modes such as bicyclists and pedestrians. **Table A-9** in the Appendix shows the Proposed Land Use Plan with TIMP level of service for each arterial segment in the Granada Hills-Knollwood Community Plan Area. Figure 9 illustrates the Granada Hills-Knollwood Community Plan Area Proposed Functional Classification system.

**TABLE 23 YEAR 2030 PROPOSED LAND USE PLAN WITH TIMP – ARTERIAL SUMMARY**

Proposed Land Use Plan with TIMP Traffic Conditions	
VMT	368,535
VHT	11,386
Avg. Speed (mph)	32
Weighted Avg. V/C	0.952
Links at LOS E or F	144
% of Links at LOS E or F	20%

The Proposed Land Use Plan with TIMP shows very similar VMT, VHT and average speed statistics as compared to the Current Land Use Plan. All 2030 analyses showed higher VMT,

VHT, V/C and number of links at E or F than the Existing Traffic Conditions. With the relatively limited number of opportunities to provide additional roadway capacity in Granada Hills-Knollwood through the addition of travel lanes, the number of the arterial roadway segments projected to be at capacity in 2030 are very similar between the alternatives that were analyzed.



A summary of the roadway link levels of service and aggregate statistics are shown in **Table 24**. It can be seen that the Preferred Alternative shows slightly lower VMT and VHT and V/C as compared to the Current Land Use Plan, and a similar average speed.

**TABLE 24 SUMMARY –AGGREGATE STATISTICS**

Scenario	VMT	VHT	Avg. Speed	Weighted V/C	Links at LOS E or F	% of Links at LOS E or F
Existing Traffic Conditions	243,454	5,804	42	0.598	19	3%
Current Land Use Plan	367,290	11,329	32	0.898	104	14%
Proposed Land Use Plan	371,390	12,264	30	0.948	114	16%
Transportation Alternative One*	360,143	10,143	36	0.853	106	15%
Transportation Alternative Two *	364,264	11,265	32	0.767	80	11%
Transportation Alternative Three *	368,256	11,065	33	0.903	112	15%
Transportation Alternative Four *	363,568	11,290	32	0.896	128	18%
Preferred Alternative	368,535	11,386	32	0.952	144	20%

\* Alternative uses an interim land use plan; therefore the statistics should only be compared to each other, not the Current or Proposed Land Use Plans.

Table 24 illustrates that the Proposed Land Use Plan with TIMP total vehicle miles of travel, vehicle hours of travel and average speed are very similar to the Current Land Use Plan, and will have a slightly higher weighted V/C and number of roadway links at LOS E or F, as compared to the Current Land Use Plan. The Proposed Land Use Plan with TIMP focuses efforts on bicycle and pedestrian facilities, and the vehicle lanes required to accommodate the bicycle facilities did have some affect on autos, while facilitating bicyclists’ needs. The difference in V/C is nominal and would not worsen roadway operating conditions as perceived by the traveling public.

The two thresholds of significance adopted by the City of Los Angeles Department of Transportation are related to weighted average V/C ratio and the number of links at LOS E or F; both compared to Existing Traffic Conditions. Since the proposed Granada Hills-Knollwood Community Plan with TIMP has not improved both of the measures to better than the Current Land Use Plan, the transportation impacts associated with the Proposed Land Use Plan with

TIMP are not fully mitigated. However, the TIMP includes strategies aimed to encourage alternative modes of travel, such as the creation of pedestrian friendly environments and providing bicycle improvements.

## 6.0 CONGESTION MANAGEMENT PROGRAM TRANSPORTATION IMPACT ANALYSIS

### 6.1 BACKGROUND

The Congestion Management Program (CMP) for Los Angeles County, first developed by the Metropolitan Transportation Authority in 1992, is a state-mandated program enacted by the state legislature with the passage of Assembly Bill 471 (1989), as amended by Assembly Bills 1791 (1990), 1435 (1992), and 3090 in June, 1990. It has been developed to meet the requirements of Section 65089 of the California Government Code and is intended to address regional congestion by linking transportation, land use and air quality decisions.

The CMP is a key link in countywide, multi-modal planning and program implementation. The CMP includes a deficiency plan which is designed to implement strategies that either fully mitigate congestion or alternatively, provide measurable improvement to congestion and air quality. With the inclusion of the deficiency plan, the CMP strengthens partnership among local jurisdictions, Metro, and other regional agencies.

The purpose of this section is to conduct a CMP Transportation Impact Analysis (TIA) level of analysis consistent with established guidelines. The following section presents the CMP analysis and results for the proposed Granada Hills-Knollwood Community Plan TIMP.

### 6.2 HOW MODEL WAS USED FOR ANALYSIS

The Congestion Management Program's Transportation Impact Analysis (TIA) prepared for the proposed Granada Hills-Knollwood Community Plan compares future growth in vehicle trips associated with land use changes and future development under Proposed Land Use Plan with TIMP conditions with the Current Land Use Plan conditions. The refined model developed for the proposed Granada Hills-Knollwood Community Plan TIMP was used to forecast traffic conditions expected to occur in Year 2030 under the two conditions.

Weekday PM peak period forecast were analyzed for impacts of the proposed project. Based on the Southern California Association of Governments (SCAG) trip-generation survey, "Home-Work" trips (as a percentage of daily traffic by all trip types) generated about the same percentage for both AM and PM peak periods, whereas the percentages of "Other-Work" and "Non-Work" trips were substantially higher in the PM peak period than the AM peak period. Therefore, it can be assumed that the weekday PM peak period traffic volumes would be higher than AM peak period traffic and hence, will provide the worst-case scenario analyses.

### 6.3 SCOPE OF ANALYSIS

As presented in the 2010 Congestion Management Program for Los Angeles County, CMP TIA guidelines, intersection analyses are particularly well suited towards analysis projects where land use types and design details are known. Where land uses are not defined (such as with projects that are limited to zone designations and parcel size with no information on access locations), the level of detail in TIA should be adjusted accordingly. This applies directly to redevelopment areas, citywide general plans and in this case, community level plans. In such cases, where project definition is insufficient for meaningful intersection level of service, CMP arterial segment analysis is conducted instead of intersection level.

CMP analysis is typically conducted on all CMP identified highway facilities. This includes CMP roadway segments where the proposed Granada Hills-Knollwood Community Plan will add 50 or more peak hour trips (total of both directions) and mainline freeway monitoring locations where the project will add 150 or more trips, in either direction, during either the AM or PM weekday peak hours.

In this study, the CMP analysis is refined as allowed under Appendix D of the 2010 Congestion Management Program for Los Angeles County to be more suited to the goals of the TIMP for the Granada Hills-Knollwood Community Plan. There is a CMP freeway monitoring station located on SR 118 east of Woodley Avenue. Because mitigation of freeway impact is beyond the scope of the proposed Community Plan TIMP, the freeway segment analysis is not conducted under this study. Freeway segment analysis may be conducted as a separate analysis outside of the Community Plan TIMP and New Community Plan Program effort.

### 6.4 CMP IMPACT ANALYSIS

As discussed in Appendix D - Guidelines for CMP Transportation Impact Analysis of the 2010 Congestion Management Program for Los Angeles County, “volume to capacity ratios must be calculated for each segment and LOS values assigned using the V/C-LOS equivalency” for traffic impact analysis involving arterial segment analysis. CMP guidelines state that “A capacity of 800 vehicles per hour per through traffic lane must be used, unless localized conditions necessitate alternative values to approximate current intersection congestion levels”. For this analysis, the capacity as assigned by the Los Angeles Department of Transportation has been used.

The criteria for determining a significant impact is described by the following definition:

- “For the purpose of a CMP TIA, a significant project impact occurs when the proposed project increases traffic demand on a CMP facility by two percent of capacity ( $V/C = 0.02$ ), causing a worsening of LOS F ( $V/C = 1.00$ ).”

According to the 2010 CMP for Los Angeles County there are no CMP arterial roadway intersections within the Granada Hills-Knollwood Community Plan Area. Therefore, no CMP analysis is required.



## APPENDIX A: ROADWAY LINK DATA

- APPENDIX A-1 ROADWAY INVENTORY
- APPENDIX A-2 EXISTING TRAFFIC CONDITIONS
- APPENDIX A-3 CURRENT LAND USE PLAN
- APPENDIX A-4 PROPOSED LAND USE PLAN
- APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE
- APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO
- APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE
- APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR
- APPENDIX A-9 PREFERRED ALTERNATIVE
- APPENDIX A-10 PROPOSED PLAN WITH TIMP

APPENDIX A-1 EXISTING ROADWAY INVENTORY

Segment	From	To	Roadway Classification	Median Type	Northbound/Eastbound					Southbound/Westbound				
					Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit
LINDLEY AVE	San Fern. Mission	Ludlow	Collector	SBY	1	No	No	None	15	1	No	No	None	15
LINDLEY AVE	Ludlow	Horace	Collector	SBY	1	No	No	None	15	1	No	No	None	15
LINDLEY AVE	Horace	Tulsa Pl	Collector	SBY	1	No	No	None	15	1	No	No	None	15
LINDLEY AVE	Tulsa Pl	Kingsbury	Collector	SBY	1	No	No	None	15	1	No	No	None	15
LINDLEY AVE	Kingsbury	Hiawatha	Collector	SBY	1	No	No	TANS 7a-5p	15	1	No	No	None	15
LINDLEY AVE	Hiawatha	Devonshire	Collector	SBY	1	No	No	None	15	1	No	No	None	15
ZELZAH AVE	End	Ridgeway	Collector	UD	1	No	No	None	15	1	No	No	None	15
ZELZAH AVE	Ridgeway	Newcastle	Collector	UD	1	No	No	TANP 10p-6a/None	15	1	No	No	TANP 10p-6a/None	15
ZELZAH AVE	Newcastle	Lerdo	Collector	UD	1	No	No	TANP 10p-6a	15	1	No	No	TANP 10p-6a	15
ZELZAH AVE	Lerdo	Rinaldi	Collector	UD	1	No	No	NPAT	15	1	No	No	NPAT	15
ZELZAH AVE	Rinaldi	Simonds	Secondary	TWLTL	1	No	No	TANSAX	15	1	No	No	TANSAX	30
ZELZAH AVE	Simonds	Index	Secondary	DDY	1	No	No	TANSAX	15	1	No	No	TANSAX	30
ZELZAH AVE	Index	Donmetz	Secondary	SDY	1	No	No	TANSAX	15	1	No	No	TANSAX	30
ZELZAH AVE	Donmetz	Lahey	Secondary	SDY	1	No	No	TANSAX	15	1	No	No	TANSAX	30
ZELZAH AVE	Lahey	San Fern. Mission	Secondary	SDY	1	No	No	TANSAX	30	1	No	No	TANSAX	30
ZELZAH AVE	San Fern. Mission	Horace	Secondary	SDY	1	No	No	None	25	1	No	No	None	35/25
ZELZAH AVE	Horace	Tulsa St	Secondary	SDY	1	No	No	None	25	1	No	No	TANSAT	35
ZELZAH AVE	Tulsa St	Tribune St	Secondary	SDY	1	No	No	None	25	1	No	No	TANSAT	35
ZELZAH AVE	Tribune St	Los Alimos	Secondary	TWLTL	1	No	No	None	35	1	No	No	None	35
ZELZAH AVE	Los Alimos	Chatsworth	Secondary	TWLTL	1	No	No	None	35	1	No	No	None	35
ZELZAH AVE	Chatsworth	Kingsbury	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	35
ZELZAH AVE	Kingsbury	San Jose	Secondary	TWLTL	2	No	No	2hr 8-6/None	35	2	No	No	NP 7a-5p/None	25
ZELZAH AVE	San Jose	Hiawatha	Secondary	TWLTL	2	No	No	None	35	2	No	No	TANS 7a-5p/None	25
ZELZAH AVE	Hiawatha	Devonshire	Secondary	TWLTL	2	No	No	None	25	2	No	No	None	25
WHITE OAK AVE	Rinaldi	San Fern. Mission	Major Highway Class II	TWLTL	2	No	No	TANSAT/None	25	2	No	No	TANSAT/None	25
WHITE OAK AVE	San Fern. Mission	Los Alimos	Major Highway Class II	TWLTL	1	No	No	TANSAT/None	25	1	No	No	TANSAT/None	25
WHITE OAK AVE	Los Alimos	Chatsworth	Major Highway Class II	TWLTL	1	No	No	2hr 8-6	25	1	No	No	2hr 8-6	25
WHITE OAK AVE	Chatsworth	Kingsbury	Major Highway Class II	TWLTL	1	No	No	2hr 8-6	25	1	No	No	2hr 8-6	25
WHITE OAK AVE	Kingsbury	San Jose	Major Highway Class II	TWLTL	1	No	No	None	25	1	No	No	None	25
WHITE OAK AVE	San Jose	Devonshire	Major Highway Class II	TWLTL	2	No	No	TANSAT/None	25	2	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/ NP 8a-6p	25
MAYERLING ST	Rexbon	Lerdo	Collector	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/ NP 8a-6p	15
MAYERLING ST	Lerdo	Wood Ranch	Collector	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/ NP 8a-6p	15
MAYERLING ST	Wood Ranch	Jellico	Collector	UD	1	No	No	None/None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/ NP 8a-6p	15
MAYERLING ST	Jellico	Shoshone	Collector	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/ NP 8a-6p	15
DARYL AVE	Trosa	Bradford	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Sesnon	Westbury	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Westbury	Angelaine	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Angelaine	Bradford	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Bradford	Shoshone	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Shoshone	Nugent	Collector	SBY	1	No	No	TANSAT	15	1	No	No	TANSAT	15
MEADOWLARK AVE	Nugent	Highwater	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Highwater	Mayerling	Collector	UD	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Mayerling	Flanders	Collector	SBY	1	No	No	None	15	1	No	No	None	15
MEADOWLARK AVE	Flanders	Rinaldi	Collector	SBY	1	No	No	TANS 7a-5p	15	1	No	No	None	15
TROSA ST	Jolette	Neon Way	Collector	UD	1	No	No	None	15	1	No	No	None	15
TROSA ST	Neon Way	Garris	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Garris	Nanette	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Nanette	Dorina	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Dorina	Darla	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Darla	Westbury	Collector	SBY	1	No	No	None	30	1	No	No	None	30
TROSA ST	Westbury	Paulette	Collector	SBY	1	No	No	None	30	1	No	No	None	30
TROSA ST	Paulette	Jeanine	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Jeanine	Rosnick	Collector	SBY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Rosnick	Balboa	Collector	SDY	1	No	No	None	15	1	No	No	None	15
TROSA ST	Balboa	Cascade Canyon	Collector	UD	1	No	No	None	20	1	No	No	None	20
TROSA ST	Cascade Canyon	Nugent	Collector	SBY	1	No	No	None	20	1	No	No	None	20
TROSA ST	Nugent	Tilford	Collector	SBY	1	No	No	None	20	1	No	No	None	20
TROSA ST	Tilford	Firma	Collector	SBY	1	No	No	NP 7a-5p	20	1	No	No	None	20
TROSA ST	Firma	Sunderland	Collector	SBY	1	No	No	None	20	1	No	No	None	20
TROSA ST	Sunderland	Bambi	Collector	SBY	1	No	No	None	20	1	No	No	None	20
TROSA ST	Bambi	Jeanette	Collector	SBY	1	No	No	None	25	1	No	No	None	25
TROSA ST	Jeanette	Dresden	Collector	SBY	1	No	No	None	25	1	No	No	None	25
TROSA ST	Dresden	Mindora	Collector	SDY	1	No	No	None	30	1	No	No	None	30
TROSA ST	Mindora	Signature	Collector	SDY	1	No	No	None	30	1	No	No	None	30
EL ORO WAY	Rosnick	Ceredo	Collector	SBY	1	No	No	PL 6:30-9 1:30-4/2hr 9-1:30	15	1	No	No	None	15
EL ORO WAY	Ceredo	Mandarin	Collector	SBY	1	No	No	NPAT	15	1	No	No	None	15
EL ORO WAY	Mandarin	Signature	Collector	SBY	1	No	No	None	15	1	No	No	None	15
EL ORO WAY	Signature	Paso Robles	Collector	SBY	1	No	No	None	15	1	No	No	None	15
EL ORO WAY	Paso Robles	Midwood	Collector	SBY	1	No	No	None	15	1	No	No	None	15
EL ORO WAY	Midwood	Paso Robles	Collector	SBY	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Midwood	Barneston	Collector	UD	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Barneston	Galesberg	Collector	UD	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Galesberg	Lorillard	Collector	UD	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Lorillard	Gunther	Collector	UD	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Gunther	Halsey	Collector	UD	1	No	No	None	15	1	No	No	None	15
PASO ROBLES AVE	Halsey	Rinaldi	Collector	SBY	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Rinaldi	Kalisher	Collector	SBY	1	No	No	None	15	1	No	No	None	15

APPENDIX A-1 EXISTING ROADWAY INVENTORY

Segment	From	To	Roadway Classification	Median Type	Northbound/Eastbound					Southbound/Westbound				
					Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit
ENCINO AVE	Kalisher	Index	Collector	SBY	1	No	No	TANSAT/None	15	1	No	No	TANSAT/None	15
ENCINO AVE	Index	Donmetz	Collector	SBY	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Donmetz	Lahey	Collector	SBY	1	No	No	None	15	1	No	No	None	
ENCINO AVE	Lahey	San Fern. Mission	Collector	SBY	1	No	No	None	15	1	No	No	None	
ENCINO AVE	San Fern. Mission	Ludlow	Collector	UD	1	No	No	None	15	1	No	No	None	
ENCINO AVE	Ludlow	Horace	Collector	UD	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Horace	Tulsa	Collector	UD	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Tulsa	Tribune	Collector	UD	1	No	No	None	15	1	No	No	None	
ENCINO AVE	Tribune	Los Alimos	Collector	UD	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Los Alimos	Chatsworth	Collector	UD	1	No	No	None	15	1	No	No	None	
ENCINO AVE	Chatsworth	Kingsbury	Collector	UD	1	No	No	NPAT/1hr 8-6	15	1	No	No	NPAT/1hr 8-6	15
ENCINO AVE	Kingsbury	San Jose	Collector	UD	1	No	No	None	15	1	No	No	None	
ENCINO AVE	San Jose	Hiawatha	Collector	UD	1	No	No	None	15	1	No	No	None	15
ENCINO AVE	Hiawatha	Blackhawk	Collector	UD	1	No	No	None	15	1	No	No	None	
ENCINO AVE	Blackhawk	Devonshire	Collector	UD	1	No	No	None	15	1	No	No	None	
LOUISE AVE	Nugent	Andasol	Collector	SBY	1	No	No	None	15	1	No	No	None	15
LOUISE AVE	Andasol	Signature	Collector	SBY	1	No	No	None	30	1	No	No	None	
LOUISE AVE	Signature	Barneston Ct	Collector	SBY	1	No	No	None	30	1	No	No	None	
LOUISE AVE	Barneston Ct	Mayerling	Collector	SBY	1	No	No	None	30	1	No	No	None	
LOUISE AVE	Mayerling	Bircher	Collector	SBY	1	No	No	None	30	1	No	No	None	30
LOUISE AVE	Bircher	Flanders	Collector	SBY	1	No	No	None	30	1	No	No	None	
LOUISE AVE	Flanders	Rinaldi	Collector	SDY	1	No	No	None	30	1	No	No	None	
LOUISE AVE	Rinaldi	Index	Secondary	TWLTL	2	No	No	TANSAT/None	35	1	No	No	TANSAT/None	
LOUISE AVE	Index	Lahey	Secondary	SDY	2	No	No	None	35	1	No	No	None	
LOUISE AVE	Lahey	San Fern. Mission	Secondary	SDY	2	No	No	None	35	1	No	No	None	
LOUISE AVE	San Fern. Mission	Los Alimos	Secondary	SDY	1	No	No	None	35	1	No	No	None	
LOUISE AVE	Los Alimos	Chatsworth	Secondary	SDY	1	No	No	None	35	1	No	No	None	
LOUISE AVE	Chatsworth	Kingsbury	Secondary	SDY	2	No	No	None	35	2	No	No	None	35
LOUISE AVE	Kingsbury	Germain	Secondary	SDY	2	No	No	None	35	2	No	No	None	
LOUISE AVE	Germain	San Jose	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
LOUISE AVE	San Jose	Hiawatha	Secondary	SDY	2	No	No	None	2	No	No	No	NP 7a-5p	
LOUISE AVE	Hiawatha	Devonshire	Secondary	SDY	2	No	No	None	2	No	No	No	TANSAT/NP 7a-5p	
AMESTOY AVE	Index	Donmetz	Collector	UD	1	No	No	None	1	No	No	No	None	
AMESTOY AVE	Donmetz	Lahey	Collector	UD	1	No	No	None	1	No	No	No	None	20
AMESTOY AVE	Lahey	Devonshire	Collector	UD	1	No	No	None	1	No	No	No	None	
BALBOA RD	San Fernando	Balboa Blvd	Secondary	SDY	1	No	No	TANSAT	1	No	No	No	TANSAT	
BALBOA BLVD	Foothill	Balboa Rd	Major Highway Class II	DDY	1	No	No	TANSAT	1	No	No	No	TANSAT	
BALBOA BLVD	Balboa Rd	Timber Ridge	Major Highway Class II	DDY	2	No	Yes	TANSAT	45	2	No	Yes	None	45
BALBOA BLVD	Timber Ridge	Sesnon	Major Highway Class II	DDY	2	No	Yes	TANSAT	45	2	No	Yes	None	45
BALBOA BLVD	Sesnon	Orozco	Major Highway Class II	DDY	2	No	Yes	TANSAT	40	2	No	Yes	None	40
BALBOA BLVD	Orozco	Tennyson	Major Highway Class II	TWLTL	2	No	Yes	TANSAT	2	No	Yes	None	None	
BALBOA BLVD	Tennyson	Woodley	Major Highway Class II	TWLTL	3	No	Yes	TANSAT	2	No	Yes	None	None	
BALBOA BLVD	Woodley	Colven	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	45	2	AM	No	TANS 7-9	45
BALBOA BLVD	Colven	Pineridge	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	25	2	AM	No	TANS 7-9	40/25
BALBOA BLVD	Pineridge	Knollwood	Major Highway Class II	TWLTL	3	No	No	TANSAT	40	2	AM	No	TANS 7-9	
BALBOA BLVD	Knollwood	Midwood	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7/NPAT	40	2	AM	No	TANS 7-9	40
BALBOA BLVD	Midwood	Lorillard	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	40	2	AM	No	TANS 7-9	40
BALBOA BLVD	Lorillard	Halsey	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	40	2	AM	No	TANS 7-9	40
BALBOA BLVD	Halsey	Rinaldi	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	40	2	AM	No	TANS 7-9	40
BALBOA BLVD	Rinaldi	Index	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	Index	San Fern. Mission	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	San Fern. Mission	Tulsa	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	Tulsa	Los Alimos	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	Los Alimos	Chatsworth	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	Chatsworth	Kingsbury	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	3	No	No	No	TANSAT	35
BALBOA BLVD	Kingsbury	Germain	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	Germain	San Jose	Major Highway Class II	TWLTL	2	PM	No	TANS 3-7	2	AM	No	No	TANS 7-9	
BALBOA BLVD	San Jose	Blackhawk	Major Highway Class II	TWLTL	2	PM	No	TANSAT/TANS 3-7	2	AM	No	No	TANSAT/TANS 7-8	
BALBOA BLVD	Blackhawk	Devonshire	Major Highway Class II	TWLTL	3	No	No	TANSAT	35	3	No	No	TANSAT	
PETIT AVE	Tulsa	Tribune	Collector	UD	1	No	No	None	1	No	No	No	None	
PETIT AVE	Tribune	Los Alimos	Collector	UD	1	No	No	None	1	No	No	No	None	
PETIT AVE	Los Alimos	Chatsworth	Collector	SBY	1	No	No	None	15	1	No	No	None	
PETIT AVE	Chatsworth	Kingsbury	Collector	SBY	1	No	No	None	15	1	No	No	None	
PETIT AVE	Kingsbury	Germain	Collector	SBY	1	No	No	None	15	1	No	No	None	
PETIT AVE	Germain	San Jose	Collector	SBY	1	No	No	None	1	No	No	No	None	
PETIT AVE	San Jose	Minnehaha	Collector	SBY	1	No	No	None	15	1	No	No	None	15
PETIT AVE	Minnehaha	Blackhawk	Collector	SBY	1	No	No	None	15	1	No	No	None	
PETIT AVE	Blackhawk	Devonshire	Collector	SBY	1	No	No	None	15	1	No	No	None	
PETIT AVE	Devonshire	Romar	Collector	UD	1	No	No	None	1	No	No	No	None	
RUFFNER AVE	Flanders	Lassen	Collector	UD	1	No	No	None	1	No	No	No	None	
KNOLLWOOD DR	Pineridge	Sarazen	Collector	SBY	1	No	No	None	1	No	No	No	None	
KNOLLWOOD DR	Sarazen	Demaret	Collector	SBY	1	No	No	None	1	No	No	No	None	25
KNOLLWOOD DR	Demaret	Susan	Collector	SBY	1	No	No	None	1	No	No	No	None	
KNOLLWOOD DR	Susan	Balboa	Collector	SBY	1	No	No	None/NPAT	1	No	No	No	None/NP 10p-5a	25
GERALD AVE	Shamhart	Midwood	Collector	UD	1	No	No	None	15	1	No	No	None	15
GERALD AVE	Midwood	Barneston	Collector	UD	1	No	No	PL 6:30-9 1:30-4/2hr 9 1:30/TANS 7a-5p	15	1	No	No	None	15
GERALD AVE	Barneston	Armstead	Collector	UD	1	No	No	None	1	No	No	No	None	
HAYVENHURST	Rinaldi	Simonds	Secondary	SDY	2	No	No	None	2	No	No	No	None	35

APPENDIX A-1 EXISTING ROADWAY INVENTORY

Segment	From	To	Roadway Classification	Median Type	Northbound/Eastbound					Southbound/Westbound				
					Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit
HAYVENHURST	Simonds	Index	Secondary	SDY	2	No	No	TANP 6p-6a	35	2	No	No	TANP 6p-6a	
HAYVENHURST	Index	San Fern. Mission	Secondary	SDY	2	No	No	None		2	No	No	None	25
HAYVENHURST	San Fern. Mission	Horace	Secondary	SDY	2	No	No	None	25	2	No	No	None	25
HAYVENHURST	Horace	Tulsa	Secondary	SDY	2	No	No	TANS 7a-5p/PL 6:30a-9a 1:30p-4p/2hr 9-1:30		2	No	No	None	
HAYVENHURST	Tulsa	Chatsworth	Secondary	SDY	2	No	No	None		2	No	No	None	
HAYVENHURST	Chatsworth	San Jose	Secondary	SDY	2	No	No	None	25	2	No	No	None	35
HAYVENHURST	San Jose	Blackhawk	Secondary	SDY	2	No	No	None		2	No	No	None	
HAYVENHURST	Blackhawk	Devonshire	Secondary	SDY	2	No	No	TANSAT	35	2	No	No	None	
HAYVENHURST	Devonshire	Mayall	Secondary	SDY	2	No	No	None		2	No	No	None	35
HAYVENHURST	Mayall	Vintage	Secondary	SDY	2	No	No	None		2	No	No	None	
HAYVENHURST	Vintage	Lassen	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	
GOTHIC AVE	Woodley	Rinaldi	Collector	SBY	1	No	No	None		1	No	No	None	
GOTHIC AVE	Rinaldi	Index	Collector	SBY	1	No	No	None		1	No	No	None	
GOTHIC AVE	Index	Donmetz	Collector	SBY	1	No	No	PL 6:30-9 1:30-4/2hr 9:1:30/15min 1a-5p		1	No	No	None	
GOTHIC AVE	Donmetz	Chatsworth	Collector	SBY	1	No	No	None		1	No	No	None	
GOTHIC AVE	Chatsworth	Lassen	Collector	UD	1	No	No	None		1	No	No	None	
WOODLEY AVE	Balboa	McLennan	Collector	SDY	1	No	No	None		1	No	No	None	
WOODLEY AVE	McLennan	Nanette	Collector	SDY	1	No	No	None		1	No	No	None	30
WOODLEY AVE	Nanette	Knollwood	Collector	SDY	1	No	No	None	30	1	No	No	None	
WOODLEY AVE	Knollwood	Pineridge	Collector	SDY	1	No	No	None		1	No	No	None	30
WOODLEY AVE	Pineridge	Gerald	Collector	SDY	1	No	No	None	15/25	1	No	No	None	
WOODLEY AVE	Gerald	Gothic	Collector	SDY	1	No	No	None	15	1	No	No	None	15/25
WOODLEY AVE	Gothic	Collett	Collector	SDY	1	No	No	None		1	No	No	None	30/15
WOODLEY AVE	Collett	Rinaldi	Collector	SDY	1	No	No	None	30	1	No	No	None	
WOODLEY AVE	Rinaldi	Simonds	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	NP 10p-5a	25
WOODLEY AVE	Simonds	Index	Major Highway Class II	SDY	2	No	Yes	None		2	No	Yes	None	
WOODLEY AVE	Index	San Fern. Mission	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	
WOODLEY AVE	San Fern. Mission	Horace	Major Highway Class II	DDY	2	No	Yes	None		2	No	Yes	None	40
WOODLEY AVE	Horace	Tulsa	Major Highway Class II	DDY	2	No	Yes	None		2	No	Yes	None	
WOODLEY AVE	Tulsa	Chatsworth	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	None	25
WOODLEY AVE	Chatsworth	San Jose	Major Highway Class II	TWLTL	2	No	Yes	None	25	2	No	Yes	None	40
WOODLEY AVE	San Jose	Devonshire	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
WOODLEY AVE	Devonshire	Mayall	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	2hr 8-6/None	40
WOODLEY AVE	Mayall	Lassen	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	25
GAYNOR AVE	Rinaldi	Chatsworth	Collector	SBY	1	No	No	None		1	No	No	None	
GAYNOR AVE	Chatsworth	Kingsbury	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	Kingsbury	San Jose	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	San Jose	Blackhawk	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	Blackhawk	Devonshire	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	Devonshire	Tuba	Collector	UD	1	No	No	None		1	No	No	None	15
MONTGOMERY AVE	Tuba	Lemarsh	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	Lemarsh	Mayall	Collector	UD	1	No	No	None	15	1	No	No	None	
MONTGOMERY AVE	Mayall	Septo	Collector	UD	1	No	No	None		1	No	No	None	
MONTGOMERY AVE	Septo	Lassen	Collector	UD	1	No	No	None		1	No	No	None	
HASKELL AVE	Rinaldi	Index	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Index	Lahey	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Lahey	San Fern. Mission	Secondary	TWLTL	2	No	No	None	35	2	No	No	NPAT	
HASKELL AVE	San Fern. Mission	Tulsa	Secondary	SDY	2	No	No	None		2	No	No	None	35
HASKELL AVE	Tulsa	Bermuda	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Bermuda	Los Alimos	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Los Alimos	Chatsworth	Secondary	SDY	2	No	No	None	35	2	No	No	None	
HASKELL AVE	Chatsworth	Kingsbury	Secondary	SDY	2	No	No	None		2	No	No	None	35
HASKELL AVE	Kingsbury	San Jose	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	San Jose	Devonshire	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	
HASKELL AVE	Devonshire	Tuba	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Tuba	Lemarsh	Secondary	SDY	2	No	No	TANSAT/None		2	No	No	None	35
HASKELL AVE	Lemarsh	Mayall	Secondary	SDY	2	No	No	None		2	No	No	None	
HASKELL AVE	Mayall	Stare	Secondary	SDY	2	No	No	None		2	No	No	None	25
HASKELL AVE	Stare	Septo	Secondary	TWLTL	2	No	No	None		2	No	No	None	
HASKELL AVE	Septo	Lassen	Secondary	TWLTL	2	No	No	None	25	2	No	No	TANSAT	
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	Major Highway Class II	SDY	2	No	No	TANSAT		2	No	No	TANSAT	45
SAN FERNANDO RD	Ranch Rd	Balboa	Major Highway Class II	SDY	2	No	No	TANSAT	30/45	2	No	No	TANSAT	
SAN FERNANDO RD	Balboa	Sepulveda	Major Highway Class II	TWLTL	2	No	No	TANSAT	45	2	No	No	TANSAT	
SEPULVEDA BLVD	San Fernando	Roxford	Major Highway Class II	SDY	2	No	No	TANSAT	45	2	No	No	TANSAT	45/15
SESNON BLVD	Cascade Canyon	Marcus	Major Highway Class II	DDY	2	No	No	None		1	No	No	None	
SESNON BLVD	Marcus	Neon	Major Highway Class II	DDY	2	No	No	None	30	2	No	No	None	30
SESNON BLVD	Neon	Jollette	Major Highway Class II	TWLTL	2	No	No	None	35	2	No	No	None	35
SESNON BLVD	Jollette	Bronte	Major Highway Class II	TWLTL	2	No	No	None	35	2	No	No	None	
SESNON BLVD	Bronte	Tuscan	Major Highway Class II	TWLTL	2	No	No	None		2	No	No	None	
SESNON BLVD	Tuscan	Meadowlark	Major Highway Class II	TWLTL	1	No	No	None		2	No	No	None	
SESNON BLVD	Meadowlark	Orozco	Major Highway Class II	SDY	1	No	No	TANP 10p-6a		1	No	No	TANSAT	
SESNON BLVD	Orozco	Constable	Major Highway Class II	UD	1	No	No	None		1	No	No	None	
SESNON BLVD	Constable	Balboa	Major Highway Class II	UD	1	No	No	None		1	No	No	None	
LISSETTE ST	Jollette	Jimeno	Collector	DASH	1	No	No	None	15	1	No	No	None	
LISSETTE ST	Jimeno	Balboa	Collector	SDY	1	No	No	None		1	No	No	None	15
WESTBURY DR	Daryl	Henzie	Collector	DASH	1	No	No	None		1	No	No	None	

APPENDIX A-1 EXISTING ROADWAY INVENTORY

Segment	From	To	Roadway Classification	Median Type	Northbound/Eastbound					Southbound/Westbound				
					Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit
WESTBURY DR	Henzie	Byron	Collector	DASH	1	No	No	None	15	1	No	No	None	15
WESTBURY DR	Byron	Lithuania	Collector	DASH	1	No	No	None	15	1	No	No	None	15
WESTBURY DR	Lithuania	El Oro	Collector	DASH	1	No	No	None	15	1	No	No	None	15
WESTBURY DR	El Oro	Balboa	Collector	DASH	1	No	No	None	15	1	No	No	None	15
ROSNICK PL	El Oro	McLennan	Collector	UD	1	No	No	TANS 7a-5p(School)	15	1	No	No	None	15
PINERIDGE DR	McLennan	Kenny	Collector	UD	1	No	No	None	15	1	No	No	None	15
PINERIDGE DR	Kenny	Catenia	Collector	UD	1	No	No	None	15	1	No	No	None	15
PINERIDGE DR	Catenia	Knollwood	Collector	UD	1	No	No	None	15	1	No	No	None	15
PINERIDGE DR	Knollwood	Woodley	Collector	UD	1	No	No	None	15	1	No	No	None	15
SIGNATURE DR	Louise	El Oro	Collector	UD	1	No	No	None	15	1	No	No	None	15
REXBON RD	Zelzah	Mayerling	Collector	UD	1	No	No	None	15	1	No	No	None	15
MIDWOOD DR	El Oro	Balboa	Collector	SDY	1	No	No	None	15	1	No	No	None	15
SHAMHART DR	Knollwood	Woodley	Collector	UD	1	No	No	None	15	1	No	No	None	15
MAYERLING ST	Shoshone	Babbitt	Collector	UD	1	No	No	None	15	1	No	No	None	15
BARNESTON ST	Babbitt	Paso Robles	Collector	UD	1	No	No	None	15	1	No	No	None	15
ARMSTEAD ST	Gerald	Gothic	Collector	UD	1	No	No	None	15	1	No	No	None	15
ARMSTEAD ST	Gothic	Woodley	Collector	UD	1	No	No	None	15	1	No	No	None	15
RINALDI ST	Chimineas	Zelzah	Major Highway Class II	TWLTL	2	No	Yes	NPAT	40	2	No	Yes	NPAT	40
RINALDI ST	Zelzah	Yarmouth	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Yarmouth	Rancho Del Valle	Major Highway Class II	TWLTL	2	No	Yes	NPAT	40	2	No	Yes	NPAT	40
RINALDI ST	Rancho Del Valle	Ridge Way	Major Highway Class II	TWLTL	2	No	Yes	None	25	2	No	Yes	None	40
RINALDI ST	Ridge Way	Shoshone	Major Highway Class II	TWLTL	2	No	Yes	None	25	2	No	Yes	None	40
RINALDI ST	Shoshone	Andasol	Major Highway Class II	TWLTL	2	No	Yes	None/15 min 7a-5p	25	2	No	Yes	None/TANS 7-5	40
RINALDI ST	Andasol	Louise	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Louise	Babbitt	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Babbitt	Amestoy	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Amestoy	Balboa	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Balboa	Ruffner	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40
RINALDI ST	Ruffner	Hayvenhurst	Major Highway Class II	TWLTL	2	No	Yes	None	25	2	No	Yes	None	40/25
RINALDI ST	Hayvenhurst	Odessa	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40/25
RINALDI ST	Odessa	Swinton	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40/25
RINALDI ST	Swinton	Woodley	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40/25
RINALDI ST	Woodley	Gaynor	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	40/25
RINALDI ST	Gaynor	Haskell	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	TANSAT	40/25
RINALDI ST	Haskell	Blucher	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	TANSAT	40/25
RINALDI ST	Blucher	405 Fwy	Major Highway Class II	TWLTL	2	No	Yes	TANSAT	40	2	No	Yes	TANSAT	40/25
INDEX ST	Yarmouth	Aldea	Collector	UD	1	No	No	None	15	1	No	No	None	15
INDEX ST	Aldea	Amestoy	Collector	UD	1	No	No	None	15	1	No	No	None	15
INDEX ST	Amestoy	Balboa	Collector	UD	1	No	No	None	15	1	No	No	None	15
INDEX ST	Balboa	McLennan	Collector	UD	1	No	No	None	15	1	No	No	None	15
INDEX ST	McLennan	Ruffner	Collector	UD	1	No	No	None	15	1	No	No	None	15
INDEX ST	Ruffner	Danube	Collector	UD	1	No	No	None	15	1	No	No	None	15
SAN FERNANDO MISSION	Chimineas	Lindley	Secondary	TWLTL	1	No	No	None	35	1	No	No	None	35
SAN FERNANDO MISSION	Lindley	Zelzah	Secondary	SDY	1	No	No	None	35	1	No	No	None	35
SAN FERNANDO MISSION	Zelzah	Yarmouth	Secondary	SDY	1	No	No	TANSAT	35	1	No	No	None	35
SAN FERNANDO MISSION	Yarmouth	Shoshone	Secondary	SDY	1	No	No	TANSAT	35	1	No	No	TANSAT	35
SAN FERNANDO MISSION	Shoshone	Encino	Secondary	SDY	1	No	No	None	35	1	No	No	None	35
SAN FERNANDO MISSION	Encino	Andasol	Secondary	SDY	1	No	No	None	35	1	No	No	None	35
SAN FERNANDO MISSION	Andasol	Louise	Secondary	SDY	1	No	No	None	35	1	No	No	None	35
SAN FERNANDO MISSION	Louise	Amestoy	Secondary	SDY	2	No	No	None	35	2	No	No	None	35
SAN FERNANDO MISSION	Amestoy	Paso Robles	Secondary	SDY	2	No	No	None	35	2	No	No	None	35
SAN FERNANDO MISSION	Paso Robles	Balboa	Secondary	SDY	2	No	No	None	35	2	No	No	NPAT	35
SAN FERNANDO MISSION	Balboa	Petit	Secondary	TWLTL	2	No	No	TANSAT	35	2	No	No	NPAT	35
SAN FERNANDO MISSION	Petit	Ruffner	Secondary	TWLTL	2	No	No	TANSAT	35	2	No	No	None	35
SAN FERNANDO MISSION	Ruffner	Gerald	Secondary	SDY	2	No	No	None	25	2	No	No	None	35
SAN FERNANDO MISSION	Gerald	Hayvenhurst	Secondary	TWLTL	2	No	No	None	25	2	No	No	TANSAT	35
SAN FERNANDO MISSION	Hayvenhurst	Monogram	Secondary	SDY	2	No	No	None	25	2	No	No	None	25
SAN FERNANDO MISSION	Monogram	Gothic	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
SAN FERNANDO MISSION	Gothic	Haskell	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
SAN FERNANDO MISSION	Haskell	Danube	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
SAN FERNANDO MISSION	Danube	Blucher	Secondary	SDY	2	No	No	None	35	2	No	No	TANSAT	25
SAN FERNANDO MISSION	Blucher	405 Fwy	Secondary	SDY	2	No	No	NPAT	35	2	No	No	TANSAT	25
TULSA ST	Lindley	Louise	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Louise	Paso Robles	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Paso Robles	Balboa	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Balboa	Hayvenhurst	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Hayvenhurst	Monogram	Collector	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4/2hr 9-1:30	15
TULSA ST	Monogram	Gothic	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Woodley	Collett	Collector	SDY	1	No	No	None	15	1	No	No	None	15
TULSA ST	Collett	Densmore	Collector	UD	1	No	No	None	15	1	No	No	None	15
TULSA ST	Densmore	Dempsey	Collector	UD	1	No	No	TANS 7a-5p	15	1	No	No	None	15
JONFIN ST	Gothic	end	Collector	UD	1	No	No	None	15	1	No	No	None	15
CHATSWORTH ST	Etiwanda	Lindley	Secondary	DDY/TWLTL	2	No	No	None	35	2	No	No	None	35
CHATSWORTH ST	Lindley	Zelzah	Secondary	TWLTL	2	No	No	NPAT	35	2	No	No	NPAT	35
CHATSWORTH ST	Zelzah	Yarmouth	Secondary	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35
CHATSWORTH ST	Yarmouth	White Oak	Secondary	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35
CHATSWORTH ST	White Oak	Shoshone	Secondary	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35
CHATSWORTH ST	Shoshone	Encino	Secondary	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35
CHATSWORTH ST	Encino	Andasol	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	35

APPENDIX A-1 EXISTING ROADWAY INVENTORY

Segment	From	To	Roadway Classification	Median Type	Northbound/Eastbound					Southbound/Westbound				
					Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit
CHATSWORTH ST	Andasol	Louise	Secondary	TWLTL	2	No	No	None		2	No	No	None	35
CHATSWORTH ST	Louise	Aldea	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	
CHATSWORTH ST	Aldea	Genesta	Secondary	TWLTL	2	No	No	None		2	No	No	None	
CHATSWORTH ST	Genesta	Balboa	Secondary	TWLTL	2	No	No	None		2	No	No	1hr 8-6	35
CHATSWORTH ST	Balboa	Petit	Secondary	SDY	2	No	No	TANSAT/None	35	2	No	No	None	
CHATSWORTH ST	Petit	Hayvenhurst	Secondary	SDY	2	No	No	TANSAT/None	25	2	No	No	None	35
CHATSWORTH ST	Hayvenhurst	Debra	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
CHATSWORTH ST	Debra	Gothic	Secondary	SDY	2	No	No	None		2	No	No	None	
CHATSWORTH ST	Gothic	Swinton	Secondary	SDY	2	No	No	None	25	2	No	No	None	35
CHATSWORTH ST	Swinton	Woodley	Secondary	DDY	2	No	No	None		2	No	No	None	
CHATSWORTH ST	Woodley	Gaviota	Secondary	SDY	2	No	No	None	35	2	No	No	None	
CHATSWORTH ST	Gaviota	Gaynor	Secondary	SDY	2	No	No	None	25	2	No	No	None	35
CHATSWORTH ST	Gaynor	Haskell	Secondary	SDY	2	No	No	None	35	2	No	No	None	25
CHATSWORTH ST	Haskell	Aqueduct	Secondary	SDY	2	No	No	None	35	2	No	No	None	
CHATSWORTH ST	Aqueduct	405 Fwy	Secondary	SDY	2	No	No	None		2	No	No	None	35
SAN JOSE ST	Zelzah	Yarmouth	Collector	UD	1	No	No	None	30	1	No	No	None	25
SAN JOSE ST	Yarmouth	Jellico	Collector	UD	1	No	No	None		1	No	No	None	
SAN JOSE ST	Jellico	Shoshone	Collector	UD	1	No	No	None		1	No	No	None	30
SAN JOSE ST	Shoshone	Encino	Collector	UD	1	No	No	None	30	1	No	No	None	
SAN JOSE ST	Encino	Bianca	Collector	UD	1	No	No	None		1	No	No	None	30
SAN JOSE ST	Bianca	Andasol	Collector	UD	1	No	No	None	25	1	No	No	None	
SAN JOSE ST	Andasol	Genesta	Collector	UD	1	No	No	15min 7-5		1	No	No	1hr 8-6	
SAN JOSE ST	Genesta	Balboa	Collector	UD	1	No	No	None		1	No	No	None	30
SAN JOSE ST	Balboa	Danube	Collector	UD	1	No	No	None		1	No	No	None	
DEVONSHIRE ST	Etiwanda	Zelzah	Major Highway Class II	TWLTL	2	No	No	None		2	No	No	None	
DEVONSHIRE ST	Lindley	Zelzah	Major Highway Class II	TWLTL	3	No	No	None		2	No	No	None	
DEVONSHIRE ST	Zelzah	White Oak	Major Highway Class II	TWLTL	2	No	No	None	25	2	No	No	NP 7a-5p/None	
DEVONSHIRE ST	White Oak	Encino	Major Highway Class II	TWLTL	2	No	No	None	40	2	No	No	None	25
DEVONSHIRE ST	Encino	Andasol	Major Highway Class II	TWLTL	2	No	No	None	25	2	No	No	None	40
DEVONSHIRE ST	Andasol	Louise	Major Highway Class II	TWLTL	2	No	No	None		2	No	No	None	
DEVONSHIRE ST	Louise	Amestoy	Major Highway Class II	TWLTL	2	No	No	None	25/40	2	No	No	None	25/40
DEVONSHIRE ST	Amestoy	Balboa	Major Highway Class II	TWLTL	2	No	No	None	40	2	PM	No	TANS 7-9 4-7	40
DEVONSHIRE ST	Balboa	Petit	Major Highway Class II	TWLTL	3	No	No	TANSAT		3	PM	No	TANSAT/TANS 4-7	
DEVONSHIRE ST	Petit	Ruffner	Major Highway Class II	DDY	2	No	No	None		2	No	No	None	
DEVONSHIRE ST	Ruffner	Hayvenhurst	Major Highway Class II	TWLTL	2	No	No	None		2	No	No	None	
DEVONSHIRE ST	Hayvenhurst	Gothic	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	None	
DEVONSHIRE ST	Gothic	Woodley	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	None	40
DEVONSHIRE ST	Woodley	Montgomery	Major Highway Class II	TWLTL	2	No	Yes	None	40	2	No	Yes	None	
DEVONSHIRE ST	Montgomery	Densmore	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	None	
DEVONSHIRE ST	Densmore	Haskell	Major Highway Class II	TWLTL	2	No	Yes	None		2	No	Yes	None	40
DEVONSHIRE ST	Haskell	Aqueduct	Major Highway Class II	TWLTL	2	No	No	TANS 7-9	40	2	No	No	TANS 4-6	
DEVONSHIRE ST	Aqueduct	Blucher	Major Highway Class II	RM	3	No	No	NPAT		3	No	No	NPAT/NPAT	
DEVONSHIRE ST	Blucher	405 Fwy	Major Highway Class II	RM	3	No	No	TANSAT		3	No	No	TANSAT	
MAYALL ST	Balboa	end	Collector	UD	1	No	No	None		1	No	No	None	
MAYALL ST	Ruffner	Odessa	Collector	UD	1	No	No	None		1	No	No	NP 7a-5p	
MAYALL ST	Gothic	Haskell	Collector	UD	1	No	No	None		1	No	No	None	
LASSEN ST	Balboa	Whitaker	Secondary	TWLTL	2	No	No	None		2	No	No	None	
LASSEN ST	Whitaker	Petit	Secondary	TWLTL	2	No	No	None		2	No	No	None	
LASSEN ST	Petit	Ruffner	Secondary	DDY	2	No	No	None	35	2	No	No	None	35
LASSEN ST	Ruffner	Hayvenhurst	Secondary	TWLTL	2	No	No	None		2	No	No	None	
LASSEN ST	Hayvenhurst	Monogram	Secondary	SDY	2	No	No	None		2	No	No	None	
LASSEN ST	Monogram	Gothic	Secondary	SDY	2	No	No	None	35	2	No	No	None	
LASSEN ST	Gothic	Woodley	Secondary	TWLTL	2	No	No	None	25	2	No	No	None	35
LASSEN ST	Woodley	Montgomery	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	25
LASSEN ST	Montgomery	Gloria	Secondary	TWLTL	2	No	No	None		2	No	No	None	35
LASSEN ST	Gloria	Haskell	Secondary	TWLTL	2	No	No	None		2	No	No	None	
LASSEN ST	Haskell	Aqueduct	Secondary	TWLTL	2	No	No	None	35	2	No	No	None	
LASSEN ST	Aqueduct	405 Fwy	Secondary	TWLTL	2	No	No	None		2	No	No	None	

\*Speed limit posted in the field.

Parking Restrictions (Mid-Block, Typical Section)	
None = No Restrictions (Parking OK)	TANSAT = Tow-Away No Stopping Any Time
NPAT = No Parking Any Time	TANS 7-9 = Tow-Away No Stopping (Specify Hours)
NP 7-9 = No Parking (Specify Hours)	2HR 9-4 = Two-Hour Parking (Specify Hours)
	PL = Passenger Loading

Median Type (Mid-Block)	
UD = Undivided (No Striping)	RM = Raised Median
SDY = Single Double Yellow	TWLTL = Two-Way Left Turn Lane
DDY = Double Double Yellow	SBY = Single Broken Yellow

APPENDIX A-2 EXISTING TRAFFIC CONDITIONS

Segment	From	To	Roadway Classification	Capacity per Lane	Median Type	Northbound/Eastbound					Southbound/Westbound					Capacity		Volumes		V/C Ratio		Level of Service	
						Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	37	49	0.062	0.082	A	A
LINDLEY AVE	Ludlow	Horace	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	37	49	0.062	0.082	A	A
LINDLEY AVE	Horace	Tulsa Pl	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	37	49	0.062	0.082	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	48	29	0.080	0.048	A	A
LINDLEY AVE	Kingsbury	Hiawatha	Collector	600	SBY	1	No	No	TANS 7a-5p	15	1	No	No	None	15	600	600	146	154	0.243	0.257	A	A
LINDLEY AVE	Hiawatha	Devonshire	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	289	193	0.482	0.322	A	A
ZELZAH AVE	End	Ridgeway	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	33	49	0.055	0.082	A	A
ZELZAH AVE	Ridgeway	Newcastle	Collector	600	UD	1	No	No	TANP 10p-6a/None	15	1	No	No	TANP 10p-6a/None	15	600	600	617	284	1.028	0.473	F	A
ZELZAH AVE	Newcastle	Lerdo	Collector	600	UD	1	No	No	TANP 10p-6a	15	1	No	No	TANP 10p-6a	15	600	600	617	284	1.028	0.473	F	A
ZELZAH AVE	Lerdo	Rinaldi	Collector	600	UD	1	No	No	NPAT	15	1	No	No	NPAT	15	600	600	617	284	1.028	0.473	F	A
ZELZAH AVE	Rinaldi	Simonds	Secondary	700	TWLT	1	No	No	TANSAX	30	1	No	No	TANSAX	30	700	700	44	20	0.063	0.029	A	A
ZELZAH AVE	Simonds	Index	Secondary	700	DDY	1	No	No	TANSAX	30	1	No	No	TANSAX	30	700	700	44	20	0.063	0.029	A	A
ZELZAH AVE	Index	Dommetz	Secondary	700	SDY	1	No	No	TANSAX	15	1	No	No	TANSAX	15	700	700	44	20	0.063	0.029	A	A
ZELZAH AVE	Dommetz	Lahey	Secondary	700	SDY	1	No	No	TANSAX	30	1	No	No	TANSAX	30	700	700	44	20	0.063	0.029	A	A
ZELZAH AVE	Lahey	San Fern. Mission	Secondary	700	SDY	1	No	No	TANSAX	30	1	No	No	TANSAX	30	700	700	44	20	0.063	0.029	A	A
ZELZAH AVE	San Fern. Mission	Horace	Secondary	700	SDY	1	No	No	None	35/25	1	No	No	None	35/25	700	700	369	209	0.527	0.299	A	A
ZELZAH AVE	Horace	Tulsa St	Secondary	700	SDY	1	No	No	None	25	1	No	No	TANSAT	35	700	700	369	209	0.527	0.299	A	A
ZELZAH AVE	Tulsa St	Tribune St	Secondary	700	SDY	1	No	No	None	35	1	No	No	TANSAT	35	700	700	369	209	0.527	0.299	A	A
ZELZAH AVE	Tribune St	Los Almos	Secondary	700	TWLT	1	No	No	None	35	1	No	No	None	35	700	700	336	478	0.480	0.683	A	B
ZELZAH AVE	Los Almos	Chatsworth	Secondary	700	TWLT	1	No	No	None	35	1	No	No	None	35	700	700	336	478	0.480	0.683	A	B
ZELZAH AVE	Chatsworth	Kingsbury	Secondary	700	TWLT	2	No	No	None	25	2	No	No	None	25	1400	1400	436	271	0.311	0.194	A	A
ZELZAH AVE	Kingsbury	San Jose	Secondary	700	TWLT	2	No	No	2hr 8-6/None	25	2	No	No	NP 7a-5p/None	25	1400	1400	436	271	0.311	0.194	A	A
ZELZAH AVE	San Jose	Hiawatha	Secondary	700	TWLT	2	No	No	None	25	2	No	No	TANS 7a-5p/None	25	1400	1400	701	508	0.501	0.363	A	A
ZELZAH AVE	Hiawatha	Devonshire	Secondary	700	TWLT	2	No	No	None	25	2	No	No	None	25	1400	1400	701	508	0.501	0.363	A	A
WHITE OAK AVE	San Jose	San Fern. Mission	Major Highway Class II	800	TWLT	2	No	No	TANSAT/None	25	2	No	No	TANSAT/None	25	1600	1600	341	154	0.199	0.073	A	A
WHITE OAK AVE	San Fern. Mission	Los Almos	Major Highway Class II	800	TWLT	1	No	No	TANSAT/None	25	1	No	No	TANSAT/None	25	800	800	257	214	0.321	0.268	A	A
WHITE OAK AVE	Los Almos	Chatsworth	Major Highway Class II	800	TWLT	1	No	No	2hr 8-6	35	1	No	No	2hr 8-6	35	800	800	180	162	0.225	0.203	A	A
WHITE OAK AVE	Chatsworth	Kingsbury	Major Highway Class II	800	TWLT	1	No	No	2hr 8-6	35	1	No	No	2hr 8-6	35	800	800	209	155	0.261	0.194	A	A
WHITE OAK AVE	Kingsbury	San Jose	Major Highway Class II	800	TWLT	1	No	No	None	35	1	No	No	None	35	800	800	209	155	0.261	0.194	A	A
WHITE OAK AVE	San Jose	Devonshire	Major Highway Class II	800	TWLT	2	No	No	TANSAT/NPAT	25	2	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/NP 8a-6p	25	1600	1600	65	81	0.041	0.051	A	A
MAYERLING ST	Rexbon	Lerdo	Collector	600	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/NP 8a-6p	15	600	600	45	38	0.075	0.063	A	A
MAYERLING ST	Lerdo	Wood Ranch	Collector	600	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/NP 8a-6p	15	600	600	45	38	0.075	0.063	A	A
MAYERLING ST	Wood Ranch	Jellico	Collector	600	UD	1	No	No	None/NPAT	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/NP 8a-6p	15	600	600	19	14	0.032	0.023	A	A
MAYERLING ST	Jellico	Shoshone	Collector	600	UD	1	No	No	None	15	1	No	No	PL 6:30-9a 1:30-4p/2hr 9-1:30/NP 8a-6p	15	600	600	19	14	0.032	0.023	A	A
DARYL AVE	Trosa	Bradford	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	52	29	0.087	0.048	A	A
MEADOWLARK AVE	Sesnon	Westbury	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	31	40	0.052	0.067	A	A
NUGENT DR	Westbury	Angelaine	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	26	49	0.043	0.082	A	A
NUGENT DR	Angelaine	Bradford	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	35	44	0.058	0.073	A	A
NUGENT DR	Bradford	Shoshone	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	135	55	0.225	0.092	A	A
SHOSHONE AVE	Nugent	Highwater	Collector	600	SBY	1	No	No	TANSAT	15	1	No	No	TANSAT	15	600	600	341	164	0.568	0.273	A	A
SHOSHONE AVE	Highwater	Maverling	Collector	600	UD	1	No	No	NPAT	15	1	No	No	None	15	600	600	341	164	0.568	0.273	A	A
SHOSHONE AVE	Maverling	Flanders	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	539	198	0.898	0.330	D	A
SHOSHONE AVE	Flanders	Rinaldi	Collector	600	SBY	1	No	No	TANS 7a-5p	15	1	No	No	None	15	600	600	539	198	0.898	0.330	D	A
TROSA ST	Jollette	Neon Way	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	52	29	0.087	0.048	A	A
JOLETTE AVE	Garris	Nanette	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	143	72	0.238	0.120	A	A
JOLETTE AVE	Nanette	Dorina	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	150	52	0.250	0.087	A	A
JOLETTE AVE	Dorina	Darla	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	150	52	0.250	0.087	A	A
JOLETTE AVE	Darla	Westbury	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	150	52	0.250	0.087	A	A
JOLETTE AVE	Westbury	Paulette	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	200	115	0.333	0.192	A	A
JOLETTE AVE	Paulette	Jeanine	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	200	115	0.333	0.192	A	A
JOLETTE AVE	Jeanine	Rosnick	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	200	115	0.333	0.192	A	A
JOLETTE AVE	Rosnick	Barbo	Collector	600	SDY	1	No	No	None	15	1	No	No	None	15	600	600	442	276	0.737	0.460	C	A
BRADFORD PL	Cascade Canyon	Nugent	Collector	600	UD	1	No	No	None	20	1	No	No	None	20	600	600	52	29	0.087	0.048	A	A
BRADFORD PL	Nugent	Tilford	Collector	600	SBY	1	No	No	None	20	1	No	No	None	20	600	600	27	83	0.045	0.138	A	A
BRADFORD PL	Tilford	Firma	Collector	600	SBY	1	No	No	NP 7a-5p	20	1	No	No	None	20	600	600	27	83	0.045	0.138	A	A
BRADFORD PL	Firma	Sunderland	Collector	600	SBY	1	No	No	None	20	1	No	No	None	20	600	600	27	83	0.045	0.138	A	A
BRADFORD PL	Sunderland	Bambi	Collector	600	SBY	1	No	No	None	20	1	No	No	None	20	600	600	30	25	0.050	0.042	A	A
BRADFORD PL	Bambi	Jeanette	Collector	600	SBY	1	No	No	None	25	1	No	No	None	25	600	600	30	25	0.050	0.042	A	A
BRADFORD PL	Jeanette	Dresden	Collector	600	SBY	1	No	No	None	25	1	No	No	None	25	600	600	30	25	0.050	0.042	A	A
BRADFORD PL	Dresden	Mindora	Collector	600	SDY	1	No	No	None														



APPENDIX A-2 EXISTING TRAFFIC CONDITIONS

Segment	From	To	Roadway Classification	Capacity per Lane	Median Type	Northbound/Eastbound					Southbound/Westbound					Capacity		Volumes		V/C Ratio		Level of Service	
						Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
PASO ROBLES AVE	Gunther	Halsey	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	31	34	0.052	0.057	A	A
ENCINO AVE	Rinaldi	Kalisher	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	164	85	0.273	0.108	A	A
ENCINO AVE	Kalisher	Index	Collector	600	SBY	1	No	No	TANSAT/None	15	1	No	No	TANSAT/None	15	600	600	164	65	0.273	0.108	A	A
ENCINO AVE	Index	Dommetz	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	26	12	0.043	0.020	A	A
ENCINO AVE	Dommetz	Lahey	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	16	6	0.027	0.010	A	A
ENCINO AVE	Lahey	San Fern. Mission	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	16	6	0.027	0.010	A	A
ENCINO AVE	San Fern. Mission	Ludlow	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	20	10	0.033	0.017	A	A
ENCINO AVE	Ludlow	Horace	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	20	10	0.033	0.017	A	A
ENCINO AVE	Horace	Tulsa	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	20	10	0.033	0.017	A	A
ENCINO AVE	Tulsa	Tribune	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	51	36	0.085	0.060	A	A
ENCINO AVE	Tribune	Los Alimos	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	51	36	0.085	0.060	A	A
ENCINO AVE	Los Alimos	Chatsworth	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	79	74	0.132	0.123	A	A
ENCINO AVE	Chatsworth	Kingsbury	Collector	600	UD	1	No	No	NPAT/1hr 8-6	15	1	No	No	NPAT/1hr 8-6	15	600	600	118	56	0.197	0.093	A	A
ENCINO AVE	Kingsbury	San Jose	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	11	12	0.018	0.020	A	A
ENCINO AVE	San Jose	Hiawatha	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	44	45	0.073	0.075	A	A
ENCINO AVE	Hiawatha	Blackhawk	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	44	45	0.073	0.075	A	A
ENCINO AVE	Blackhawk	Devonshire	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	44	45	0.073	0.075	A	A
LOUISE AVE	Nugent	Andasol	Collector	600	SBY	1	No	No	None	15	1	No	No	None	15	600	600	15	18	0.025	0.030	A	A
LOUISE AVE	Andasol	Signature	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	2	4	0.003	0.007	A	A
LOUISE AVE	Signature	Barneston Ct	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	43	40	0.072	0.067	A	A
LOUISE AVE	Barneston Ct	Mayerling	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	126	60	0.210	0.100	A	A
LOUISE AVE	Mayerling	Bircher	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	113	70	0.188	0.117	A	A
LOUISE AVE	Bircher	Flanders	Collector	600	SBY	1	No	No	None	30	1	No	No	None	30	600	600	113	70	0.188	0.117	A	A
LOUISE AVE	Flanders	Rinaldi	Collector	600	SDY	1	No	No	None	30	1	No	No	None	30	600	600	113	70	0.188	0.117	A	A
LOUISE AVE	Rinaldi	Pinenidge	Secondary	700	TWLT	2	No	No	TANSAT/None	45	2	AM	No	TANSAT/None	45	1400	700	241	10	0.015	0.172	A	A
LOUISE AVE	Pinenidge	Lahey	Secondary	700	SDY	2	No	No	None	35	1	No	No	None	35	1400	700	150	57	0.107	0.081	A	A
LOUISE AVE	Lahey	San Fern. Mission	Secondary	700	SDY	2	No	No	None	35	1	No	No	None	35	1400	700	232	107	0.166	0.153	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	Secondary	700	SDY	1	No	No	None	35	1	No	No	None	35	1400	700	174	109	0.249	0.156	A	A
LOUISE AVE	Los Alimos	Chatsworth	Secondary	700	SDY	1	No	No	None	35	1	No	No	None	35	1400	700	113	90	0.161	0.129	A	A
LOUISE AVE	Chatsworth	Kingsbury	Secondary	700	SDY	2	No	No	None	35	1400	1400	116	85	0.083	0.061	A	A					
LOUISE AVE	Kingsbury	German	Secondary	700	SDY	2	No	No	None	35	1400	1400	116	85	0.083	0.061	A	A					
LOUISE AVE	German	San Jose	Secondary	700	SDY	2	No	No	None	35	1400	1400	116	85	0.083	0.061	A	A					
LOUISE AVE	San Jose	Hiawatha	Secondary	700	SDY	2	No	No	None	35	1400	1400	228	214	0.163	0.153	A	A					
LOUISE AVE	Hiawatha	Devonshire	Secondary	700	SDY	2	No	No	None	35	1400	1400	228	214	0.163	0.153	A	A					
ALMESTOY AVE	Index	Dommetz	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	38	40	0.063	0.067	A	A
ALMESTOY AVE	Dommetz	Lahey	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	66	103	0.110	0.172	A	A
ALMESTOY AVE	Lahey	Devonshire	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	232	225	0.387	0.375	A	A
BALBOA RD	San Fernando	Balboa Blvd	Secondary	700	SDY	1	No	No	TANSAT	700	700	2,119	1,083	3,027	1,547	F	F						
BALBOA BLVD	Foothill	Balboa Rd	Major Highway Class II	800	DDY	1	No	No	TANSAT	45	1	No	No	TANSAT	45	1600	1600	133	187	0.166	0.234	A	A
BALBOA BLVD	Balboa Rd	Timber Ridge	Major Highway Class II	800	DDY	2	No	Yes	TANSAT	45	1600	1600	2,236	1,254	1,398	0.784	F	C					
BALBOA BLVD	Timber Ridge	Sesnon	Major Highway Class II	800	DDY	2	No	Yes	TANSAT	45	1600	1600	2,236	1,254	1,398	0.784	F	C					
BALBOA BLVD	Sesnon	Orozco	Major Highway Class II	800	DDY	2	No	Yes	TANSAT	40	1600	1600	2,236	1,254	1,398	0.784	F	C					
BALBOA BLVD	Orozco	Tennyson	Major Highway Class II	800	TWLT	2	No	Yes	TANSAT	40	1600	1600	2,147	1,076	1,342	0.673	F	B					
BALBOA BLVD	Tennyson	Woodley	Major Highway Class II	800	TWLT	3	No	Yes	TANSAT	2400	1600	2,147	1,076	0.895	0.673	D	B						
BALBOA BLVD	Woodley	Colven	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	2,291	1,108	0.955	0.693	E	B						
BALBOA BLVD	Colven	Pinenidge	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	45	2	AM	No	TANS 7-9	45	2400	1600	2,241	1,117	0.934	0.698	E	B
BALBOA BLVD	Pinenidge	Knollwood	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	25	2	AM	No	TANS 7-9	40/25	2400	1600	2,791	1,451	1.163	0.907	F	E
BALBOA BLVD	Knollwood	Midwood	Major Highway Class II	800	TWLT	3	No	No	TANSAT	40	2	AM	No	TANS 7-9	40	2400	1600	2,791	1,451	1.163	0.907	F	E
BALBOA BLVD	Midwood	Lorillard	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7/NPAT	40	2	AM	No	TANS 7-9	40	2400	1600	2,587	1,386	1.078	0.866	F	D
BALBOA BLVD	Lorillard	Halsey	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	40	2	AM	No	TANS 7-9	40	2400	1600	2,796	1,462	1.165	0.914	F	E
BALBOA BLVD	Halsey	Rinaldi	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	40	2	AM	No	TANS 7-9	40	2400	1600	2,782	1,444	1.159	0.903	F	E
BALBOA BLVD	Rinaldi	Index	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	2,692	1,245	1.122	0.778	F	C						
BALBOA BLVD	Index	San Fern. Mission	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,481	923	0.617	0.577	B	A						
BALBOA BLVD	San Fern. Mission	Tulsa	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,578	805	0.658	0.503	B	A						
BALBOA BLVD	Tulsa	Los Alimos	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,603	764	0.668	0.478	B	A						
BALBOA BLVD	Los Alimos	Chatsworth	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,603	764	0.668	0.478	B	A						
BALBOA BLVD	Chatsworth	Kingsbury	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	35	2400	2400	1,714	862	0.714	0.539	C	A					
BALBOA BLVD	Kingsbury	German	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,714	862	0.714	0.539	C	A						
BALBOA BLVD	German	San Jose	Major Highway Class II	800	TWLT	2	PM	No	TANS 3-7	2400	1600	1,714	862	0.714	0.539	C	A						
BALBOA BLVD	San Jose	Blackhawk	Major Highway Class II	800	TWLT	2	PM	No	TANSAT/TANS 3-7	2400	1600	1,656	714	0.690	0.446	B	A						
BALBOA BLVD	Blackhawk	Devonshire	Major Highway Class II	800	TWLT	3	No	No	TANSAT	35	3	No	No	TANSAT	2400	2400	1,656	714	0.690	0.298	B	A	



APPENDIX A-2 EXISTING TRAFFIC CONDITIONS

Segment	From	To	Roadway Classification	Capacity per Lane	Median Type	Northbound/Eastbound					Southbound/Westbound					Capacity		Volumes		V/C Ratio		Level of Service	
						Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
GERALD AVE	Midwood	Barneston	Collector	600	UD	1	No	No	PL 6:30-9 1:30-4/2hr 9 1:30/TANS 7a-5p	15	1	No	No	None	15	600	600	2	2	0.003	0.003	A	A
GERALD AVE	Barneston	Armistead	Collector	600	UD	1	No	No	None		2	No	No	None	35	600	600	2	2	0.003	0.003	A	A
HAYVENHURST	Rinaldi	Simonds	Secondary	700	SDY	2	No	No	None		2	No	No	None	1400	1400	494	272	0.353	0.194	A	A	
HAYVENHURST	Simonds	Index	Secondary	700	SDY	2	No	No	TANP 6p-6a	35	2	No	No	TANP 6p-6a	1400	1400	149	790	0.106	0.564	A	A	
HAYVENHURST	Index	San Fern. Mission	Secondary	700	SDY	2	No	No	None		2	No	No	None	25	1400	1400	1,198	488	0.856	0.349	D	A
HAYVENHURST	San Fern. Mission	Horace	Secondary	700	SDY	2	No	No	None	25	2	No	No	None	25	1400	1400	1,063	553	0.759	0.395	C	A
HAYVENHURST	Horace	Tulsa	Secondary	700	SDY	2	No	No	TANS 7a-5p/PL 6:30a-9a 1:30p-4p/2hr 9-1:30		2	No	No	None		1400	1400	900	365	0.643	0.261	B	A
HAYVENHURST	Tulsa	Chatsworth	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	625	164	0.446	0.117	A	A
HAYVENHURST	Chatsworth	San Jose	Secondary	700	SDY	2	No	No	None	25	2	No	No	None	35	1400	1400	647	288	0.462	0.206	A	A
HAYVENHURST	San Jose	Blackhawk	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	429	199	0.306	0.142	A	A
HAYVENHURST	Blackhawk	Devonshire	Secondary	700	SDY	2	No	No	TANSAT	35	2	No	No	None		1400	1400	575	232	0.411	0.166	A	A
HAYVENHURST	Devonshire	Mayall	Secondary	700	SDY	2	No	No	None		2	No	No	None	35	1400	1400	510	186	0.364	0.133	A	A
HAYVENHURST	Mayall	Vintage	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	510	186	0.364	0.133	A	A
HAYVENHURST	Vintage	Lassen	Secondary	700	TWTL	2	No	No	None	35	2	No	No	None		1400	1400	600	241	0.429	0.172	A	A
GOTHIC AVE	Woodley	Rinaldi	Collector	600	SBY	1	No	No	None		1	No	No	None		600	600	4	29	0.007	0.048	A	A
GOTHIC AVE	Rinaldi	Index	Collector	600	SBY	1	No	No	None		1	No	No	None		600	600	29	36	0.048	0.060	A	A
GOTHIC AVE	Index	Donmetz	Collector	600	SBY	1	No	No	PL 6:30-9 1:30-4/2hr 9 1:30/15min 1a-5p		1	No	No	None		600	600	29	36	0.048	0.060	A	A
GOTHIC AVE	Donmetz	Chatsworth	Collector	600	SBY	1	No	No	None		1	No	No	None		600	600	44	31	0.073	0.052	A	A
GOTHIC AVE	Chatsworth	Lassen	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	128	101	0.213	0.168	A	A
WOODLEY AVE	Balboa	McLennan	Collector	600	SDY	1	No	No	None		1	No	No	None		600	600	92	16	0.153	0.027	A	A
WOODLEY AVE	McLennan	Nanette	Collector	600	SDY	1	No	No	None		1	No	No	None	30	600	600	92	16	0.153	0.027	A	A
WOODLEY AVE	Nanette	Knollwood	Collector	600	SDY	1	No	No	None	30	1	No	No	None		600	600	92	16	0.153	0.027	A	A
WOODLEY AVE	Knollwood	Pineridge	Collector	600	SDY	1	No	No	None		1	No	No	None	30	600	600	92	16	0.153	0.027	A	A
WOODLEY AVE	Pineridge	Gerald	Collector	600	SDY	1	No	No	None	15/25	1	No	No	None		600	600	95	16	0.158	0.027	A	A
WOODLEY AVE	Gerald	Gothic	Collector	600	SDY	1	No	No	None	15	1	No	No	None	15/25	600	600	95	16	0.158	0.027	A	A
WOODLEY AVE	Gothic	Collett	Collector	600	SDY	1	No	No	None		1	No	No	None	30/15	600	600	95	16	0.158	0.027	A	A
WOODLEY AVE	Collett	Rinaldi	Collector	600	SDY	1	No	No	None	30	1	No	No	None		600	600	291	108	0.485	0.180	A	A
WOODLEY AVE	Rinaldi	Simonds	Major Highway Class II	800	TWTL	2	No	Yes	None		2	No	Yes	NP 10p-5a	25	1600	1600	167	64	0.104	0.040	A	A
WOODLEY AVE	Simonds	Index	Major Highway Class II	800	SDY	2	No	Yes	None		2	No	Yes	None		1600	1600	151	48	0.094	0.030	A	A
WOODLEY AVE	Index	San Fern. Mission	Major Highway Class II	800	TWTL	2	No	Yes	None	40	2	No	Yes	None		1600	1600	186	69	0.116	0.043	A	A
WOODLEY AVE	San Fern. Mission	Horace	Major Highway Class II	800	DDY	2	No	Yes	None		2	No	Yes	None	40	1600	1600	413	286	0.258	0.179	A	A
WOODLEY AVE	Horace	Tulsa	Major Highway Class II	800	UD	1	No	Yes	None		2	No	Yes	None		1600	1600	197	179	0.537	0.112	A	A
WOODLEY AVE	Tulsa	Chatsworth	Major Highway Class II	800	TWTL	2	No	Yes	None		2	No	Yes	None	25	1600	1600	767	363	0.479	0.227	A	A
WOODLEY AVE	Chatsworth	San Jose	Major Highway Class II	800	TWTL	2	No	Yes	None	25	2	No	Yes	None	40	1600	1600	963	536	0.602	0.335	B	A
WOODLEY AVE	San Jose	Devonshire	Major Highway Class II	800	TWTL	2	No	Yes	None	40	2	No	Yes	None	40	1600	1600	942	498	0.589	0.311	A	A
WOODLEY AVE	Devonshire	Mayall	Major Highway Class II	800	TWTL	2	No	Yes	None	40	2	No	Yes	2hr 8-6/None	40	1600	1600	942	512	0.589	0.320	A	A
WOODLEY AVE	Mayall	Lassen	Major Highway Class II	800	TWTL	2	No	Yes	None	40	2	No	Yes	None	25	1600	1600	904	404	0.565	0.253	A	A
GAYNOR AVE	Rinaldi	Chatsworth	Collector	600	SBY	1	No	No	None		1	No	No	None		600	600	45	50	0.075	0.083	A	A
GAYNOR AVE	Chatsworth	Kingsbury	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	44	31	0.073	0.052	A	A
MONTGOMERY AVE	Kingsbury	San Jose	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	44	31	0.073	0.052	A	A
MONTGOMERY AVE	San Jose	Blackhawk	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	69	62	0.115	0.103	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	115	106	0.192	0.177	A	A
MONTGOMERY AVE	Devonshire	Tuba	Collector	600	UD	1	No	No	None	15	1	No	No	None		600	600	46	56	0.077	0.093	A	A
MONTGOMERY AVE	Tuba	Lemarsh	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	46	56	0.077	0.093	A	A
MONTGOMERY AVE	Lemarsh	Mayall	Collector	600	UD	1	No	No	None	15	1	No	No	None		600	600	21	5	0.035	0.008	A	A
MONTGOMERY AVE	Mayall	Septo	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	34	35	0.057	0.058	A	A
MONTGOMERY AVE	Septo	Lassen	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	34	35	0.057	0.058	A	A
HASKELL AVE	Rinaldi	Index	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	81	103	0.058	0.074	A	A
HASKELL AVE	Index	Lahey	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	231	217	0.165	0.155	A	A
HASKELL AVE	Lahey	San Fern. Mission	Secondary	700	TWTL	2	No	No	None	35	2	No	No	NPAT		1400	1400	231	217	0.165	0.155	A	A
HASKELL AVE	San Fern. Mission	Tulsa	Secondary	700	SDY	2	No	No	None		2	No	No	None	35	1400	1400	196	162	0.140	0.116	A	A
HASKELL AVE	Tulsa	Bermuda	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	263	221	0.188	0.158	A	A
HASKELL AVE	Bermuda	Los Almos	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	263	221	0.188	0.158	A	A
HASKELL AVE	Los Almos	Chatsworth	Secondary	700	SDY	2	No	No	None	35	2	No	No	None		1400	1400	263	221	0.188	0.158	A	A
HASKELL AVE	Chatsworth	Kingsbury	Secondary	700	SDY	2	No	No	None		2	No	No	None	35	1400	1400	316	309	0.226	0.221	A	A
HASKELL AVE	Kingsbury	San Jose	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	316	309	0.226	0.221	A	A
HASKELL AVE	San Jose	Devonshire	Secondary	700	TWTL	2	No	No	None	35	2	No	No	None		1400	1400	344	326	0.246	0.233	A	A
HASKELL AVE	Devonshire	Tuba	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	626	327	0.447	0.234	A	A
HASKELL AVE	Tuba	Lemarsh	Secondary	700	SDY	2	No	No	TANSAT/None		2	No	No	None	35	1400	1400	626	327	0.447	0.234	A	A
HASKELL AVE	Lemarsh	Mayall	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	596	198	0.426	0.141	A	A
HASKELL AVE	Mayall	Stare	Secondary	700	SDY	2	No	No	None		2	No	No	None	25	1400	1400	596	198	0.426	0.141	A	A
HASKELL AVE	Stare	Septo	Secondary	700	TWTL	2	No	No	None		2	No											

APPENDIX A-2 EXISTING TRAFFIC CONDITIONS

Segment	From	To	Roadway Classification	Capacity per Lane	Median Type	Northbound/Eastbound					Southbound/Westbound					Capacity		Volumes		V/C Ratio		Level of Service	
						Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
SESNON BLVD	Meadowlark	Orocco	Major Highway Class II	800	SDY	1	No	No	TANP 10p-6a		1	No	No	TANSAT		800	800	46	49	0.058	0.061	A	A
SESNON BLVD	Orocco	Constable	Major Highway Class II	800	UD	1	No	No	None		1	No	No	None		800	800	28	32	0.035	0.040	A	A
SESNON BLVD	Constable	Balboa	Major Highway Class II	800	UD	1	No	No	None		1	No	No	None		800	800	28	32	0.035	0.040	A	A
LISETTE ST	Joliette	Jimeno	Collector	600	DASH	1	No	No	None	15	1	No	No	None		600	600	109	59	0.182	0.098	A	A
LISETTE ST	Jimeno	Balboa	Collector	600	SDY	1	No	No	None		1	No	No	None	15	600	600	190	305	0.317	0.508	A	A
WESTBURY DR	Daryl	Henzie	Collector	600	DASH	1	No	No	None		1	No	No	None		600	600	26	41	0.043	0.068	A	A
WESTBURY DR	Henzie	Byron	Collector	600	DASH	1	No	No	None	15	1	No	No	None	15	600	600	26	41	0.043	0.068	A	A
WESTBURY DR	Byron	Lithuania	Collector	600	DASH	1	No	No	None		1	No	No	None		600	600	26	41	0.043	0.068	A	A
WESTBURY DR	Lithuania	El Oro	Collector	600	DASH	1	No	No	None	15	1	No	No	None	15	600	600	27	48	0.045	0.080	A	A
WESTBURY DR	El Oro	Balboa	Collector	600	DASH	1	No	No	None		1	No	No	None		600	600	50	63	0.083	0.105	A	A
ROSINICK PL	El Oro	McLennan	Collector	600	UD	1	No	No	TANS 7a-5p(School)		1	No	No	None		600	600	1	40	0.002	0.067	A	A
PINERIDGE DR	McLennan	Kenny	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	183	132	0.305	0.220	A	A
PINERIDGE DR	Kenny	Catenia	Collector	600	UD	1	No	No	None	15	1	No	No	None		600	600	48	3	0.080	0.005	A	A
PINERIDGE DR	Catenia	Knollwood	Collector	600	UD	1	No	No	None		1	No	No	None	15	600	600	48	3	0.080	0.005	A	A
PINERIDGE DR	Knollwood	Woodley	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	40	3	0.067	0.005	A	A
SIGNATURE DR	Louise	El Oro	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	4	2	0.007	0.003	A	A
REXBON DR	Zelzah	Mayerling	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	31	32	0.052	0.053	A	A
MIDWOOD RD	El Oro	Balboa	Collector	600	SDY	1	No	No	None		1	No	No	None		600	600	207	69	0.345	0.115	A	A
SHAMHART DR	Knollwood	Woodley	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	53	116	0.088	0.193	A	A
MAYERLING ST	Shoshone	Babbitt	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	370	210	0.617	0.350	B	A
BARNSTON ST	Babbitt	Paso Robles	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	204	67	0.340	0.112	A	A
ARMSTEAD ST	Gerald	Gothic	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	45	38	0.075	0.063	A	A
ARMSTEAD ST	Gothic	Woodley	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	32	35	0.053	0.058	A	A
RINALDI ST	Chimineas	Zelzah	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	NPAT		1600	1600	982	413	0.614	0.258	B	A
RINALDI ST	Zelzah	Yarmouth	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None		1600	1600	983	323	0.364	0.240	A	A
RINALDI ST	Yarmouth	Rancho Del Valle	Major Highway Class II	800	TWLT	2	No	Yes	NPAT	40	2	No	Yes	NPAT		1600	1600	575	412	0.359	0.258	A	A
RINALDI ST	Rancho Del Valle	Ridge Way	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None	40	1600	1600	593	413	0.371	0.258	A	A
RINALDI ST	Ridge Way	Shoshone	Major Highway Class II	800	TWLT	2	No	Yes	None	25	2	No	Yes	None		1600	1600	593	413	0.371	0.258	A	A
RINALDI ST	Shoshone	Andasol	Major Highway Class II	800	TWLT	2	No	Yes	None/15 min 7a-5p	25	2	No	Yes	None/TANS 7-5		1600	1600	129	291	0.081	0.182	A	A
RINALDI ST	Andasol	Louise	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None	40	1600	1600	64	127	0.040	0.079	A	A
RINALDI ST	Louise	Babbitt	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None		1600	1600	124	220	0.078	0.138	A	A
RINALDI ST	Babbitt	Amestoy	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None		1600	1600	124	220	0.078	0.138	A	A
RINALDI ST	Amestoy	Balboa	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None	40	1600	1600	120	220	0.075	0.138	A	A
RINALDI ST	Balboa	Ruffner	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None		1600	1600	291	287	0.182	0.179	A	A
RINALDI ST	Ruffner	Hayvenhurst	Major Highway Class II	800	TWLT	2	No	Yes	None	25	2	No	Yes	None	40/25	1600	1600	303	445	0.189	0.278	A	A
RINALDI ST	Hayvenhurst	Odessa	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None		1600	1600	245	197	0.153	0.123	A	A
RINALDI ST	Odessa	Swinton	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None		1600	1600	245	197	0.153	0.123	A	A
RINALDI ST	Swinton	Woodley	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None		1600	1600	145	138	0.091	0.086	A	A
RINALDI ST	Woodley	Gaynor	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	None		1600	1600	278	352	0.174	0.220	A	A
RINALDI ST	Gaynor	Haskell	Major Highway Class II	800	TWLT	2	No	Yes	None		2	No	Yes	TANSAT		1600	1600	263	331	0.164	0.207	A	A
RINALDI ST	Haskell	Blucher	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	TANSAT		1600	1600	398	485	0.249	0.303	A	A
RINALDI ST	Blucher	405 Fwy	Major Highway Class II	800	TWLT	2	No	Yes	TANSAT		2	No	Yes	TANSAT		1600	1600	398	485	0.249	0.303	A	A
INDEX ST	Yarmouth	Aldea	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	53	138	0.088	0.230	A	A
INDEX ST	Aldea	Amestoy	Collector	600	UD	1	No	No	None	15	1	No	No	None	15	600	600	44	97	0.073	0.162	A	A
INDEX ST	Amestoy	Balboa	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	44	97	0.073	0.162	A	A
INDEX ST	Balboa	McLennan	Collector	600	UD	1	No	No	None	15	1	No	No	None		600	600	164	144	0.273	0.240	A	A
INDEX ST	McLennan	Ruffner	Collector	600	UD	1	No	No	None		1	No	No	None	15	600	600	164	144	0.273	0.240	A	A
INDEX ST	Ruffner	Danube	Collector	600	UD	1	No	No	None		1	No	No	None		600	600	136	107	0.227	0.178	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	Secondary	700	TWLT	1	No	No	None		2	No	No	None		700	1400	120	169	0.171	0.121	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	Secondary	700	SDY	1	No	No	None		1	No	No	None	35	700	700	120	169	0.171	0.241	A	A
SAN FERNANDO MISSION	Zelzah	Yarmouth	Secondary	700	SDY	1	No	No	TANSAT	35	1	No	No	None		700	700	285	199	0.407	0.284	A	A
SAN FERNANDO MISSION	Yarmouth	Shoshone	Secondary	700	SDY	1	No	No	TANSAT		1	No	No	TANSAT		700	700	321	195	0.459	0.279	A	A
SAN FERNANDO MISSION	Shoshone	Encino	Secondary	700	SDY	1	No	No	None		1	No	No	None	35	700	700	324	242	0.463	0.346	A	A
SAN FERNANDO MISSION	Encino	Andasol	Secondary	700	SDY	1	No	No	None	35	1	No	No	None		700	700	321	239	0.459	0.341	A	A
SAN FERNANDO MISSION	Andasol	Louise	Secondary	700	SDY	1	No	No	None		1	No	No	None	35	700	700	321	239	0.459	0.341	A	A
SAN FERNANDO MISSION	Louise	Amestoy	Secondary	700	SDY	2	No	No	None	35	2	No	No	None		1400	1400	262	280	0.187	0.200	A	A
SAN FERNANDO MISSION	Amestoy	Paso Robles	Secondary	700	SDY	2	No	No	None		2	No	No	None		1400	1400	361	341	0.258	0.244	A	A
SAN FERNANDO MISSION	Paso Robles	Balboa	Secondary	700	SDY	2	No	No	None		2	No	No	NPAT		1400	1400	361	341	0.258	0.244	A	A
SAN FERNANDO MISSION	Balboa	Petit	Secondary	700	TWLT	2	No	No	TANSAT	35	2	No	No	NPAT		1400	1400	310	75	0.221	0.054	A	A
SAN FERNANDO MISSION	Petit	Ruffner	Secondary	700	TWLT	2	No	No	TANSAT		2	No	No	None		1400	1400	310	75	0.221	0.054	A	A
SAN FERNANDO MISSION	Ruffner	Gerald	Secondary	700	SDY	2	No	No	None	25	2	No	No	None	35	1400	1400	279	78	0.199	0.056	A	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	Secondary	700	TWLT	2	No	No	None														

APPENDIX A-2 EXISTING TRAFFIC CONDITIONS

Segment	From	To	Roadway Classification	Capacity per Lane	Median Type	Northbound/Eastbound					Southbound/Westbound					Capacity		Volumes		V/C Ratio		Level of Service	
						Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	Off Peak Lanes	Add'l Peak Lane	Bike Lane	Parking Restrictions	Speed Limit	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
JONFIN ST	Gothic	end	Collector	600	UD	1	No	No	None	35	1	No	No	None	35	600	600	46	32	0.077	0.053	A	A
CHATSORTH ST	Etiwanda	Lindley	Secondary	700	DDY/TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	516	580	0.369	0.414	A	A
CHATSORTH ST	Lindley	Zelzah	Secondary	700	TWLT	2	No	No	NPAT	35	2	No	No	NPAT	35	1400	1400	662	734	0.473	0.524	A	A
CHATSORTH ST	Zelzah	Yarmouth	Secondary	700	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35	1400	1400	282	330	0.201	0.236	A	A
CHATSORTH ST	Yarmouth	White Oak	Secondary	700	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35	1400	1400	282	330	0.201	0.236	A	A
CHATSORTH ST	White Oak	Shoshone	Secondary	700	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35	1400	1400	227	242	0.162	0.173	A	A
CHATSORTH ST	Shoshone	Encino	Secondary	700	RM	2	No	No	2hr 8-6	35	2	No	No	2hr 8-6	35	1400	1400	227	242	0.162	0.173	A	A
CHATSORTH ST	Encino	Andasol	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	266	223	0.190	0.159	A	A
CHATSORTH ST	Andasol	Louise	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	266	223	0.190	0.159	A	A
CHATSORTH ST	Louise	Aldea	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	266	215	0.190	0.154	A	A
CHATSORTH ST	Aldea	Genesta	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	272	280	0.194	0.200	A	A
CHATSORTH ST	Genesta	Balboa	Secondary	700	TWLT	2	No	No	None	35	2	No	No	1hr 8-6	35	1400	1400	272	280	0.194	0.200	A	A
CHATSORTH ST	Balboa	Petit	Secondary	700	SDY	2	No	No	TANSAT/None	35	2	No	No	None	35	1400	1400	47	43	0.034	0.031	A	A
CHATSORTH ST	Petit	Hayvenhurst	Secondary	700	SDY	2	No	No	TANSAT/None	35	2	No	No	None	35	1400	1400	42	43	0.030	0.031	A	A
CHATSORTH ST	Hayvenhurst	Debra	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	82	185	0.059	0.132	A	A
CHATSORTH ST	Debra	Gothic	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	82	185	0.059	0.132	A	A
CHATSORTH ST	Gothic	Swinton	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	82	185	0.059	0.132	A	A
CHATSORTH ST	Swinton	Woodley	Secondary	700	DDY	2	No	No	None	35	2	No	No	None	35	1400	1400	82	185	0.059	0.132	A	A
CHATSORTH ST	Woodley	Gaviota	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	330	407	0.236	0.291	A	A
CHATSORTH ST	Gaviota	Gaynor	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	330	407	0.236	0.291	A	A
CHATSORTH ST	Gaynor	Haskell	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	330	407	0.236	0.291	A	A
CHATSORTH ST	Haskell	Aqueduct	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	444	555	0.317	0.396	A	A
CHATSORTH ST	Aqueduct	405 Fwy	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	35	1400	1400	444	555	0.317	0.396	A	A
SAN JOSE ST	Zelzah	Yarmouth	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	265	237	0.442	0.395	A	A
SAN JOSE ST	Yarmouth	Jellicoe	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	285	237	0.243	0.325	A	A
SAN JOSE ST	Jellicoe	Shoshone	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	457	492	0.752	0.820	C	D
SAN JOSE ST	Shoshone	Encino	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	493	502	0.822	0.837	D	D
SAN JOSE ST	Encino	Bianca	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	459	468	0.765	0.780	C	C
SAN JOSE ST	Bianca	Andasol	Collector	600	UD	1	No	No	None	25	1	No	No	None	30	600	600	459	468	0.765	0.780	C	C
SAN JOSE ST	Andasol	Genesta	Collector	600	UD	1	No	No	15min 7-5	30	1	No	No	1hr 8-6	30	600	600	552	579	0.920	0.965	E	E
SAN JOSE ST	Genesta	Balboa	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	524	473	0.873	0.788	D	C
SAN JOSE ST	Balboa	Danube	Collector	600	UD	1	No	No	None	30	1	No	No	None	30	600	600	318	176	0.530	0.293	A	A
DEVONSHIRE ST	Etiwanda	Zelzah	Major Highway Class II	800	TWLT	2	No	No	None	1600	2	No	No	None	1600	1600	775	1,001	0.484	0.626	A	B	
DEVONSHIRE ST	Lindley	Zelzah	Major Highway Class II	800	TWLT	3	No	No	None	1600	2	No	No	None	2400	1600	775	1,001	0.323	0.626	A	B	
DEVONSHIRE ST	Zelzah	White Oak	Major Highway Class II	800	TWLT	2	No	No	None	25	2	No	No	NP 7a-5p/None	1600	1600	407	316	0.254	0.198	A	A	
DEVONSHIRE ST	White Oak	Encino	Major Highway Class II	800	TWLT	2	No	No	None	40	2	No	No	None	25	1600	1600	280	184	0.163	0.115	A	A
DEVONSHIRE ST	Encino	Andasol	Major Highway Class II	800	TWLT	2	No	No	None	25	2	No	No	None	40	1600	1600	492	476	0.308	0.298	A	A
DEVONSHIRE ST	Andasol	Louise	Major Highway Class II	800	TWLT	2	No	No	None	40	2	No	No	None	40	1600	1600	492	476	0.308	0.298	A	A
DEVONSHIRE ST	Louise	Amestoy	Major Highway Class II	800	TWLT	2	No	No	None	25/40	2	No	No	None	25/40	1600	1600	483	471	0.302	0.294	A	A
DEVONSHIRE ST	Amestoy	Balboa	Major Highway Class II	800	TWLT	2	No	No	None	40	2	PM	No	TANS 7-9 4-7	40	1600	2400	697	692	0.436	0.288	A	A
DEVONSHIRE ST	Balboa	Petit	Major Highway Class II	800	TWLT	3	No	No	TANSAT	40	3	PM	No	TANSAT/TANS 4-7	2400	3200	507	581	0.211	0.182	A	A	
DEVONSHIRE ST	Petit	Ruffner	Major Highway Class II	800	DDY	2	No	No	None	1600	2	No	No	None	1600	1600	323	487	0.202	0.304	A	A	
DEVONSHIRE ST	Ruffner	Hayvenhurst	Major Highway Class II	800	TWLT	2	No	No	None	1600	2	No	No	None	1600	1600	323	487	0.202	0.304	A	A	
DEVONSHIRE ST	Hayvenhurst	Gothic	Major Highway Class II	800	TWLT	2	No	Yes	None	1600	2	No	Yes	None	1600	1600	531	715	0.332	0.447	A	A	
DEVONSHIRE ST	Gothic	Woodley	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None	40	1600	1600	385	601	0.241	0.376	A	A
DEVONSHIRE ST	Woodley	Montgomery	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None	1600	1600	453	686	0.283	0.429	A	A	
DEVONSHIRE ST	Montgomery	Densmore	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None	1600	1600	504	756	0.315	0.473	A	A	
DEVONSHIRE ST	Densmore	Haskell	Major Highway Class II	800	TWLT	2	No	Yes	None	40	2	No	Yes	None	40	1600	1600	504	756	0.315	0.473	A	A
DEVONSHIRE ST	Haskell	Aqueduct	Major Highway Class II	800	TWLT	2	No	No	TANS 7-9	40	2	No	No	TANS 4-6	1600	1600	1,168	1,140	0.730	0.713	C	C	
DEVONSHIRE ST	Aqueduct	Blucher	Major Highway Class II	800	RM	3	No	No	NPAT	40	3	No	No	NPAT/NPAT	2400	2400	1,168	1,140	0.487	0.475	A	A	
DEVONSHIRE ST	Blucher	405 Fwy	Major Highway Class II	800	RM	3	No	No	TANSAT	40	3	No	No	TANSAT	2400	2400	925	1,310	0.385	0.546	A	A	
MAYALL ST	Balboa	end	Collector	600	UD	1	No	No	None	35	1	No	No	None	600	600	278	208	0.463	0.347	A	A	
MAYALL ST	Ruffner	Odessa	Collector	600	UD	1	No	No	None	35	1	No	No	NP 7a-5p	600	600	34	38	0.057	0.063	A	A	
MAYALL ST	Gothic	Haskell	Collector	600	UD	1	No	No	None	35	1	No	No	None	600	600	188	244	0.313	0.407	A	A	
LASSEN ST	Balboa	Whitaker	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	1400	1400	1,148	700	0.820	0.500	D	A	
LASSEN ST	Whitaker	Petit	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	1400	1400	1,148	700	0.820	0.500	D	A	
LASSEN ST	Petit	Ruffner	Secondary	700	DDY	2	No	No	None	35	2	No	No	None	1400	1400	1,148	700	0.820	0.500	D	A	
LASSEN ST	Ruffner	Hayvenhurst	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	1400	1400	1,148	700	0.820	0.500	D	A	
LASSEN ST	Hayvenhurst	Monogram	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	1400	1400	1,112	907	0.794	0.648	C	B	
LASSEN ST	Monogram	Gothic	Secondary	700	SDY	2	No	No	None	35	2	No	No	None	1400	1400	1,112	907	0.794	0.648	C	B	
LASSEN ST	Gothic	Woodley	Secondary	700	TWLT	2	No	No	None	35	2	No	No	None	35	1400	1400	998					

APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	32	57	0.053	0.095	A	A	0.048	0.086	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	32	57	0.053	0.095	A	A	0.048	0.086	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	32	57	0.053	0.095	A	A	0.048	0.086	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	35	34	0.058	0.057	A	A	0.053	0.052	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	47	25	0.078	0.042	A	A	0.071	0.038	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	47	25	0.078	0.042	A	A	0.071	0.038	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	41	29	0.068	0.048	A	A	0.062	0.044	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	50	45	0.083	0.075	A	A	0.076	0.068	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	50	45	0.083	0.075	A	A	0.076	0.068	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	50	45	0.083	0.075	A	A	0.076	0.068	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	110	579	0.183	0.965	A	E	0.167	0.877	A	D
ZELZAH AVE	SR-118	Simonds	1	1	600	600	634	103	1.057	0.172	F	A	0.961	0.156	E	A
ZELZAH AVE	Simonds	Index	1	1	600	600	666	544	1.110	0.907	F	E	1.009	0.824	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	666	544	1.110	0.907	F	E	1.009	0.824	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	666	544	1.110	0.907	F	E	1.009	0.824	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	666	544	1.110	0.907	F	E	1.009	0.824	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	782	705	1.303	1.175	F	F	1.185	1.068	F	F
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	782	705	1.303	1.175	F	F	1.185	1.068	F	F
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	805	706	1.342	1.177	F	F	1.220	1.070	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	811	760	1.352	1.267	F	F	1.229	1.152	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	811	760	1.352	1.267	F	F	1.229	1.152	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	963	534	0.688	0.381	B	A	0.625	0.347	B	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	963	534	0.688	0.381	B	A	0.625	0.347	B	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,240	799	0.886	0.571	D	A	0.805	0.519	D	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,240	799	0.886	0.571	D	A	0.805	0.519	D	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	181	54	0.151	0.045	A	A	0.137	0.041	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	1,014	753	1.690	1.255	F	F	1.536	1.141	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	955	861	1.592	1.435	F	F	1.447	1.305	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	526	367	0.877	0.612	D	B	0.797	0.556	C	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	526	367	0.877	0.612	D	B	0.797	0.556	C	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	217	133	0.181	0.111	A	A	0.164	0.101	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	45	31	0.075	0.052	A	A	0.068	0.047	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	45	31	0.075	0.052	A	A	0.068	0.047	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	26	18	0.043	0.030	A	A	0.039	0.027	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	26	18	0.043	0.030	A	A	0.039	0.027	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	28	22	0.047	0.037	A	A	0.042	0.033	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	194	45	0.323	0.075	A	A	0.294	0.068	A	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	295	44	0.492	0.073	A	A	0.447	0.067	A	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	295	44	0.492	0.073	A	A	0.447	0.067	A	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	404	130	0.673	0.217	B	A	0.612	0.197	B	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	358	93	0.597	0.155	A	A	0.542	0.141	A	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	759	396	1.265	0.660	F	B	1.150	0.600	F	B
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	703	375	1.172	0.625	F	B	1.065	0.568	F	A
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	703	375	1.172	0.625	F	B	1.065	0.568	F	A
TROSA ST	Jollette	Neon Way	1	1	600	600	34	41	0.057	0.068	A	A	0.052	0.062	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	78	59	0.130	0.098	A	A	0.118	0.089	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	188	49	0.313	0.082	A	A	0.285	0.074	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	188	49	0.313	0.082	A	A	0.285	0.074	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	188	49	0.313	0.082	A	A	0.285	0.074	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	105	92	0.175	0.153	A	A	0.159	0.139	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	202	176	0.337	0.293	A	A	0.306	0.267	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	202	176	0.337	0.293	A	A	0.306	0.267	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	185	176	0.308	0.293	A	A	0.280	0.267	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	27	49	0.045	0.082	A	A	0.041	0.074	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	64	80	0.107	0.133	A	A	0.097	0.121	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	64	80	0.107	0.133	A	A	0.097	0.121	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	64	80	0.107	0.133	A	A	0.097	0.121	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	193	34	0.322	0.057	A	A	0.292	0.052	A	A

APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Bambi	Jeanette	1	1	600	600	193	34	0.322	0.057	A	A	0.292	0.052	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	193	34	0.322	0.057	A	A	0.292	0.052	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	193	34	0.322	0.057	A	A	0.292	0.052	A	A
BRADFORD PL	Mindora	Signature	1	1	600	600	193	34	0.322	0.057	A	A	0.292	0.052	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	16	27	0.027	0.045	A	A	0.024	0.041	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	16	27	0.027	0.045	A	A	0.024	0.041	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	16	29	0.027	0.048	A	A	0.024	0.044	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	213	12	0.355	0.020	A	A	0.323	0.018	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	213	12	0.355	0.020	A	A	0.323	0.018	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	213	12	0.355	0.020	A	A	0.323	0.018	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	213	12	0.355	0.020	A	A	0.323	0.018	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	89	38	0.148	0.063	A	A	0.135	0.058	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	89	38	0.148	0.063	A	A	0.135	0.058	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	89	38	0.148	0.063	A	A	0.135	0.058	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	89	38	0.148	0.063	A	A	0.135	0.058	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	472	280	0.787	0.467	C	A	0.715	0.424	C	A
ENCINO AVE	Kalisher	Index	1	1	600	600	472	280	0.787	0.467	C	A	0.715	0.424	C	A
ENCINO AVE	Index	Donmetz	1	1	600	600	43	32	0.072	0.053	A	A	0.065	0.048	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	29	16	0.048	0.027	A	A	0.044	0.024	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	29	16	0.048	0.027	A	A	0.044	0.024	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	35	14	0.058	0.023	A	A	0.053	0.021	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	35	14	0.058	0.023	A	A	0.053	0.021	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	35	14	0.058	0.023	A	A	0.053	0.021	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	109	59	0.182	0.098	A	A	0.165	0.089	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	109	59	0.182	0.098	A	A	0.165	0.089	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	168	62	0.280	0.103	A	A	0.255	0.094	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	511	305	0.852	0.508	D	A	0.774	0.462	C	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	56	53	0.093	0.088	A	A	0.085	0.080	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	456	440	0.760	0.733	C	C	0.691	0.667	B	B
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	456	440	0.760	0.733	C	C	0.691	0.667	B	B
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	456	440	0.760	0.733	C	C	0.691	0.667	B	B
LOUISE AVE	Nugent	Andasol	1	1	600	600	45	36	0.075	0.060	A	A	0.068	0.055	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	65	20	0.108	0.033	A	A	0.098	0.030	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	234	80	0.390	0.133	A	A	0.355	0.121	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	62	8	0.103	0.013	A	A	0.094	0.012	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	453	124	0.755	0.207	C	A	0.686	0.188	B	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	453	124	0.755	0.207	C	A	0.686	0.188	B	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	453	124	0.755	0.207	C	A	0.686	0.188	B	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	225	28	0.161	0.040	A	A	0.146	0.036	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	468	104	0.334	0.149	A	A	0.304	0.135	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	549	149	0.392	0.213	A	A	0.356	0.194	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	645	289	0.921	0.413	E	A	0.838	0.375	D	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	674	182	0.963	0.260	E	A	0.875	0.236	D	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	462	189	0.330	0.135	A	A	0.300	0.123	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	462	189	0.330	0.135	A	A	0.300	0.123	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	462	189	0.330	0.135	A	A	0.300	0.123	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	250	49	0.179	0.035	A	A	0.162	0.032	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	250	49	0.179	0.035	A	A	0.162	0.032	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	468	104	0.334	0.149	A	A	0.304	0.135	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	549	149	0.392	0.213	A	A	0.356	0.194	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	645	289	0.921	0.413	E	A	0.838	0.375	D	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	2,327	2,082	1.662	1.487	F	F	1.511	1.352	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	1,405	429	0.585	0.268	A	A	0.532	0.244	A	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,398	2,178	2.124	1.361	F	F	1.931	1.238	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,398	2,178	2.124	1.361	F	F	1.931	1.238	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	3,110	2,149	1.944	1.343	F	F	1.767	1.221	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	3,110	2,149	1.944	1.343	F	F	1.767	1.221	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	3,074	1,958	1.921	1.224	F	F	1.747	1.113	F	F



APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O AT SAC		Level of Service W/O AT SAC		V/C Ratio With AT SAC		Level of Service With AT SAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Woodley	Colven	3	2	2400	1600	3,428	2,233	1.428	1.396	F	F	1.298	1.269	F	F
BALBOA BLVD	Colven	Pineridge	3	2	2400	1600	3,388	2,145	1.412	1.341	F	F	1.283	1.219	F	F
BALBOA BLVD	Pineridge	Knollwood	3	2	2400	1600	3,576	2,301	1.490	1.438	F	F	1.355	1.307	F	F
BALBOA BLVD	Knollwood	Midwood	3	2	2400	1600	3,652	2,365	1.522	1.478	F	F	1.383	1.344	F	F
BALBOA BLVD	Midwood	Lorillard	3	2	2400	1600	3,699	2,408	1.541	1.505	F	F	1.401	1.368	F	F
BALBOA BLVD	Lorillard	Halsey	3	2	2400	1600	3,668	2,379	1.528	1.487	F	F	1.389	1.352	F	F
BALBOA BLVD	Halsey	Rinaldi	3	2	2400	1600	3,757	2,379	1.565	1.487	F	F	1.423	1.352	F	F
BALBOA BLVD	Rinaldi	Index	3	2	2400	1600	3,753	2,715	1.564	1.697	F	F	1.422	1.543	F	F
BALBOA BLVD	Index	San Fern. Mission	3	2	2400	1600	2,593	1,567	1.080	0.979	F	E	0.982	0.890	E	D
BALBOA BLVD	San Fern. Mission	Tulsa	3	2	2400	1600	2,660	1,419	1.108	0.887	F	D	1.008	0.806	F	D
BALBOA BLVD	Tulsa	Los Alimos	3	2	2400	1600	2,514	1,328	1.048	0.830	F	D	0.952	0.755	E	C
BALBOA BLVD	Los Alimos	Chatsworth	3	2	2400	1600	2,514	1,328	1.048	0.830	F	D	0.952	0.755	E	C
BALBOA BLVD	Chatsworth	Kingsbury	3	2	2400	1600	2,490	1,360	1.038	0.850	F	D	0.943	0.773	E	C
BALBOA BLVD	Kingsbury	Germain	3	2	2400	1600	2,490	1,360	1.038	0.850	F	D	0.943	0.773	E	C
BALBOA BLVD	San Jose	Blackhawk	3	2	2400	1600	2,287	1,027	0.953	0.642	E	B	0.866	0.584	D	A
BALBOA BLVD	Blackhawk	Devonshire	3	2	2400	1600	2,287	1,027	0.953	0.642	E	B	0.866	0.584	D	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	37	33	0.062	0.055	A	A	0.056	0.050	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	37	33	0.062	0.055	A	A	0.056	0.050	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	37	33	0.062	0.055	A	A	0.056	0.050	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	25	32	0.042	0.053	A	A	0.038	0.048	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	25	32	0.042	0.053	A	A	0.038	0.048	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	216	111	0.360	0.185	A	A	0.327	0.168	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	44	49	0.073	0.082	A	A	0.067	0.074	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	45	33	0.075	0.055	A	A	0.068	0.050	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	45	33	0.075	0.055	A	A	0.068	0.050	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	45	33	0.075	0.055	A	A	0.068	0.050	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	131	70	0.218	0.117	A	A	0.198	0.106	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	3	44	0.005	0.073	A	A	0.005	0.067	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	3	44	0.005	0.073	A	A	0.005	0.067	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	3	44	0.005	0.073	A	A	0.005	0.067	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	499	236	0.356	0.169	A	A	0.324	0.153	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	243	685	0.174	0.489	A	A	0.158	0.445	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,108	426	0.791	0.304	C	A	0.719	0.277	C	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,646	742	1.176	0.530	F	A	1.069	0.482	F	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,508	608	1.077	0.434	F	A	0.979	0.395	E	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,482	600	1.059	0.429	F	A	0.962	0.390	E	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	1,006	262	0.719	0.187	C	A	0.653	0.170	B	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	973	429	0.695	0.306	B	A	0.632	0.279	B	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,153	497	0.824	0.355	D	A	0.749	0.323	C	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	1,045	211	0.746	0.151	C	A	0.679	0.137	B	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	1,045	211	0.746	0.151	C	A	0.679	0.137	B	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	1,053	278	0.752	0.199	C	A	0.684	0.181	B	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	128	68	0.213	0.113	A	A	0.194	0.103	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	8	5	0.013	0.008	A	A	0.012	0.008	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	8	5	0.013	0.008	A	A	0.012	0.008	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	47	30	0.078	0.050	A	A	0.071	0.045	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	581	302	0.968	0.503	E	A	0.880	0.458	D	A
WOODLEY AVE	Balboa	McLennan	1	1	600	600	67	32	0.112	0.053	A	A	0.102	0.048	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	67	32	0.112	0.053	A	A	0.102	0.048	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	67	30	0.112	0.050	A	A	0.102	0.045	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	67	30	0.112	0.050	A	A	0.102	0.045	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	67	31	0.112	0.052	A	A	0.102	0.047	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	67	31	0.112	0.052	A	A	0.102	0.047	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	67	47	0.112	0.078	A	A	0.102	0.071	A	A

APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O ATSA		Level of Service W/O ATSA		V/C Ratio With ATSA		Level of Service With ATSA	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	67	35	0.112	0.058	A	A	0.102	0.053	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	995	468	0.622	0.293	B	A	0.565	0.266	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	974	463	0.609	0.289	B	A	0.553	0.263	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,283	473	0.802	0.296	D	A	0.729	0.269	C	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	692	327	0.433	0.204	A	A	0.393	0.186	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	755	336	0.472	0.210	A	A	0.429	0.191	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,232	477	0.770	0.298	C	A	0.700	0.271	C	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,827	1,103	1.142	0.689	F	B	1.038	0.627	F	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,538	815	0.961	0.509	E	A	0.874	0.463	D	A
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,486	786	0.929	0.491	E	A	0.844	0.447	D	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,514	701	0.946	0.438	E	A	0.860	0.398	D	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	126	62	0.210	0.103	A	A	0.191	0.094	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	41	32	0.068	0.053	A	A	0.062	0.048	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	41	32	0.068	0.053	A	A	0.062	0.048	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	50	66	0.083	0.110	A	A	0.076	0.100	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	111	75	0.185	0.125	A	A	0.168	0.114	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	5	3	0.008	0.005	A	A	0.008	0.005	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	5	3	0.008	0.005	A	A	0.008	0.005	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	25	28	0.042	0.047	A	A	0.038	0.042	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	33	31	0.055	0.052	A	A	0.050	0.047	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	33	31	0.055	0.052	A	A	0.050	0.047	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	413	180	0.295	0.129	A	A	0.268	0.117	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	219	161	0.156	0.115	A	A	0.142	0.105	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	219	161	0.156	0.115	A	A	0.142	0.105	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	264	266	0.189	0.190	A	A	0.171	0.173	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	340	263	0.243	0.188	A	A	0.221	0.171	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	340	263	0.243	0.188	A	A	0.221	0.171	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	340	263	0.243	0.188	A	A	0.221	0.171	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	602	305	0.430	0.218	A	A	0.391	0.198	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	602	305	0.430	0.218	A	A	0.391	0.198	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	402	299	0.287	0.214	A	A	0.261	0.194	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	586	243	0.419	0.174	A	A	0.381	0.158	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	586	243	0.419	0.174	A	A	0.381	0.158	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	567	160	0.405	0.114	A	A	0.368	0.104	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	33	31	0.055	0.052	A	A	0.050	0.047	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	33	31	0.055	0.052	A	A	0.050	0.047	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	33	31	0.055	0.052	A	A	0.050	0.047	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	4,903	1,421	3.064	0.888	F	D	2.786	0.807	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,183	4,898	1.364	3.061	F	F	1.240	2.783	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	639	3,109	0.399	1.943	A	F	0.363	1.766	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,681	364	1.051	0.228	F	A	0.955	0.207	E	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,749	456	2.186	0.570	F	A	1.988	0.518	F	A
SESNON BLVD	Cascade Canyon	Marcus	2	2	1600	1600	96	109	0.060	0.068	A	A	0.055	0.062	A	A
SESNON BLVD	Marcus	Neon	2	2	1600	1600	96	109	0.060	0.068	A	A	0.055	0.062	A	A
SESNON BLVD	Neon	Jolette	2	2	1600	1600	96	109	0.060	0.068	A	A	0.055	0.062	A	A
SESNON BLVD	Jolette	Bronte	2	2	1600	1600	36	31	0.023	0.019	A	A	0.020	0.018	A	A
SESNON BLVD	Bronte	Tuscan	2	2	1600	1600	36	31	0.023	0.019	A	A	0.020	0.018	A	A
SESNON BLVD	Tuscan	Meadowlark	2	2	1600	1600	36	31	0.023	0.019	A	A	0.020	0.018	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	231	31	0.289	0.039	A	A	0.263	0.035	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	287	29	0.359	0.036	A	A	0.326	0.033	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	287	29	0.359	0.036	A	A	0.326	0.033	A	A
LISSETTE ST	Jolette	Jimeno	1	1	600	600	147	44	0.245	0.073	A	A	0.223	0.067	A	A
LISSETTE ST	Jimeno	Balboa	1	1	600	600	273	421	0.455	0.702	A	C	0.414	0.638	A	B
WESTBURY DR	Daryl	Henzie	1	1	600	600	45	36	0.075	0.060	A	A	0.068	0.055	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	45	36	0.075	0.060	A	A	0.068	0.055	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	45	36	0.075	0.060	A	A	0.068	0.055	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	124	44	0.207	0.073	A	A	0.188	0.067	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	40	87	0.067	0.145	A	A	0.061	0.132	A	A

APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
ROSNICK PL	El Oro	McLennan	1	1	600	600	16	48	0.027	0.080	A	A	0.024	0.073	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	55	32	0.092	0.053	A	A	0.083	0.048	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	44	31	0.073	0.052	A	A	0.067	0.047	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	44	31	0.073	0.052	A	A	0.067	0.047	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	31	42	0.052	0.070	A	A	0.047	0.064	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	13	197	0.022	0.328	A	A	0.020	0.298	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	37	42	0.062	0.070	A	A	0.056	0.064	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	195	173	0.325	0.288	A	A	0.295	0.262	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	70	131	0.117	0.218	A	A	0.106	0.198	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	23	66	0.038	0.110	A	A	0.035	0.100	A	A
BARNESTON ST	Babbitt	Paso Robles	1	1	600	600	182	49	0.303	0.082	A	A	0.276	0.074	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	42	26	0.070	0.043	A	A	0.064	0.039	A	A
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	32	29	0.053	0.048	A	A	0.048	0.044	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,793	1,530	1.121	0.956	F	E	1.019	0.869	F	D
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,960	1,165	1.225	0.728	F	C	1.114	0.662	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,816	1,185	1.135	0.741	F	C	1.032	0.673	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,842	1,132	1.151	0.708	F	C	1.047	0.643	F	B
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,842	1,132	1.151	0.708	F	C	1.047	0.643	F	B
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,422	1,039	0.889	0.649	D	B	0.808	0.590	D	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,141	567	0.713	0.354	C	A	0.648	0.322	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	892	451	0.558	0.282	A	A	0.507	0.256	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	892	451	0.558	0.282	A	A	0.507	0.256	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	882	594	0.551	0.371	A	A	0.501	0.338	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,132	1,181	0.708	0.738	C	C	0.643	0.671	B	B
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	1,236	1,235	0.773	0.772	C	C	0.702	0.702	C	C
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,216	953	0.760	0.596	C	A	0.691	0.541	B	A
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,225	1,019	0.766	0.637	C	B	0.696	0.579	B	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,160	1,064	0.725	0.665	C	B	0.659	0.605	B	B
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,959	1,404	1.224	0.878	F	D	1.113	0.798	F	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,961	1,401	1.226	0.876	F	D	1.114	0.796	F	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,374	1,582	1.484	0.989	F	E	1.349	0.899	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,388	1,630	1.493	1.019	F	F	1.357	0.926	F	E
INDEX ST	Yarmouth	Aldea	1	1	600	600	342	475	0.570	0.792	A	C	0.518	0.720	A	C
INDEX ST	Aldea	Amestoy	1	1	600	600	342	312	0.570	0.520	A	A	0.518	0.473	A	A
INDEX ST	Amestoy	Balboa	1	1	600	600	342	312	0.570	0.520	A	A	0.518	0.473	A	A
INDEX ST	Balboa	McLennan	1	1	600	600	354	124	0.590	0.207	A	A	0.536	0.188	A	A
INDEX ST	McLennan	Ruffner	1	1	600	600	320	108	0.533	0.180	A	A	0.485	0.164	A	A
INDEX ST	Ruffner	Danube	1	1	600	600	287	167	0.478	0.278	A	A	0.435	0.253	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	710	547	0.507	0.391	A	A	0.461	0.355	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	652	514	0.931	0.734	E	C	0.847	0.668	D	B
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	657	565	0.939	0.807	E	D	0.853	0.734	D	C
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	902	596	1.289	0.851	F	D	1.171	0.774	F	C
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	869	598	1.241	0.854	F	D	1.129	0.777	F	C
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	872	594	1.246	0.849	F	D	1.132	0.771	F	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	872	594	1.246	0.849	F	D	1.132	0.771	F	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	1,166	933	0.833	0.666	D	B	0.757	0.606	C	B
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,260	1,018	0.900	0.727	E	C	0.818	0.661	D	B
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,260	1,018	0.900	0.727	E	C	0.818	0.661	D	B
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,142	684	0.816	0.489	D	A	0.742	0.444	C	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,142	684	0.816	0.489	D	A	0.742	0.444	C	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	1,019	677	0.728	0.484	C	A	0.662	0.440	B	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	1,019	677	0.728	0.484	C	A	0.662	0.440	B	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,331	768	0.951	0.549	E	A	0.864	0.499	D	A
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,331	768	0.951	0.549	E	A	0.864	0.499	D	A
SAN FERNANDO MISSION	Gothic	Haskell	2	2	1400	1400	1,324	763	0.946	0.545	E	A	0.860	0.495	D	A
SAN FERNANDO MISSION	Haskell	Danube	2	2	1400	1400	739	801	0.528	0.572	A	A	0.480	0.520	A	A
SAN FERNANDO MISSION	Danube	Blucher	2	2	1400	1400	739	801	0.528	0.572	A	A	0.480	0.520	A	A
SAN FERNANDO MISSION	Blucher	405 Fwy	2	2	1400	1400	739	801	0.528	0.572	A	A	0.480	0.520	A	A



APPENDIX A-3 CURRENT LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio W/O ATSA		Level of Service W/O ATSA		V/C Ratio With ATSA		Level of Service With ATSA	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
TULSA ST	Lindley	Louise	1	1	600	600	486	505	0.810	0.842	D	D	0.736	0.765	C	C
TULSA ST	Louise	Paso Robles	1	1	600	600	369	266	0.615	0.443	B	A	0.559	0.403	A	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	427	311	0.712	0.518	C	A	0.647	0.471	B	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	224	164	0.373	0.273	A	A	0.339	0.248	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	43	46	0.072	0.077	A	A	0.065	0.070	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	43	46	0.072	0.077	A	A	0.065	0.070	A	A
JONFIN ST	Gothic	end	1	1	600	600	33	49	0.055	0.082	A	A	0.050	0.074	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,847	1,877	1.319	1.341	F	F	1.199	1.219	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,843	1,888	1.316	1.349	F	F	1.197	1.226	F	F
CHATSWORTH ST	Zelzah	Yarmouth	2	2	1400	1400	1,394	1,058	0.996	0.756	E	C	0.905	0.687	E	B
CHATSWORTH ST	Yarmouth	White Oak	2	2	1400	1400	1,394	1,058	0.996	0.756	E	C	0.905	0.687	E	B
CHATSWORTH ST	White Oak	Shoshone	2	2	1400	1400	805	407	0.575	0.291	A	A	0.523	0.264	A	A
CHATSWORTH ST	Shoshone	Encino	2	2	1400	1400	805	407	0.575	0.291	A	A	0.523	0.264	A	A
CHATSWORTH ST	Encino	Andasol	2	2	1400	1400	1,118	620	0.799	0.443	C	A	0.726	0.403	C	A
CHATSWORTH ST	Andasol	Louise	2	2	1400	1400	1,118	620	0.799	0.443	C	A	0.726	0.403	C	A
CHATSWORTH ST	Louise	Aldea	2	2	1400	1400	1,047	768	0.748	0.549	C	A	0.680	0.499	B	A
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,295	803	0.925	0.574	E	A	0.841	0.521	D	A
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,242	867	0.887	0.619	D	B	0.806	0.563	D	A
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,172	854	0.837	0.610	D	B	0.761	0.555	C	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,172	847	0.837	0.605	D	B	0.761	0.550	C	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	948	760	0.677	0.543	B	A	0.616	0.494	B	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	948	760	0.677	0.543	B	A	0.616	0.494	B	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	948	760	0.677	0.543	B	A	0.616	0.494	B	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	948	760	0.677	0.543	B	A	0.616	0.494	B	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	856	697	0.611	0.498	B	A	0.556	0.453	A	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	856	697	0.611	0.498	B	A	0.556	0.453	A	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	856	697	0.611	0.498	B	A	0.556	0.453	A	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,151	770	0.822	0.550	D	A	0.747	0.500	C	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,151	770	0.822	0.550	D	A	0.747	0.500	C	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	445	433	0.742	0.722	C	C	0.674	0.656	B	B
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	821	883	1.368	1.472	F	F	1.244	1.338	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	729	649	1.215	1.082	F	F	1.105	0.983	F	E
SAN JOSE ST	Shoshone	Encino	1	1	600	600	729	649	1.215	1.082	F	F	1.105	0.983	F	E
SAN JOSE ST	Encino	Bianca	1	1	600	600	633	542	1.055	0.903	F	E	0.959	0.821	E	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	633	542	1.055	0.903	F	E	0.959	0.821	E	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	633	542	1.055	0.903	F	E	0.959	0.821	E	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	518	407	0.863	0.678	D	B	0.785	0.617	C	B
SAN JOSE ST	Balboa	Danube	1	1	600	600	444	211	0.740	0.352	C	A	0.673	0.320	B	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,735	1,345	0.723	0.841	C	D	0.657	0.764	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,735	1,345	0.723	0.841	C	D	0.657	0.764	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	970	603	0.606	0.377	B	A	0.551	0.343	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	712	273	0.445	0.171	A	A	0.405	0.155	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	988	589	0.618	0.368	B	A	0.561	0.335	A	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	988	589	0.618	0.368	B	A	0.561	0.335	A	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	988	433	0.618	0.180	B	A	0.561	0.164	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,377	717	0.861	0.299	D	A	0.782	0.272	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	969	479	0.404	0.200	A	A	0.367	0.181	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	753	368	0.314	0.153	A	A	0.285	0.139	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	753	368	0.314	0.153	A	A	0.285	0.139	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,502	939	0.939	0.587	E	A	0.853	0.534	D	A
DEVONSHIRE ST	Gothic	Woodley	2	2	1600	1600	1,068	664	0.668	0.415	B	A	0.607	0.377	B	A
DEVONSHIRE ST	Woodley	Montgomery	2	2	1600	1600	1,315	934	0.822	0.584	D	A	0.747	0.531	C	A
DEVONSHIRE ST	Montgomery	Densmore	2	2	1600	1600	1,386	1,040	0.866	0.650	D	B	0.788	0.591	C	A
DEVONSHIRE ST	Densmore	Haskell	2	2	1600	1600	1,386	1,040	0.866	0.650	D	B	0.788	0.591	C	A
DEVONSHIRE ST	Haskell	Aqueduct	2	2	1600	1600	1,757	1,257	1.098	0.786	F	C	0.998	0.714	E	C
DEVONSHIRE ST	Aqueduct	Blucher	2	2	1600	1600	1,757	1,257	1.098	0.786	F	C	0.998	0.714	E	C
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,757	1,248	0.732	0.520	C	A	0.666	0.473	B	A
MAYALL ST	Balboa	end	1	1	600	600	369	353	0.615	0.588	B	A	0.559	0.535	A	A



APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	69	70	0.115	0.117	A	A	0.105	0.106	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	69	70	0.115	0.117	A	A	0.105	0.106	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	69	70	0.115	0.117	A	A	0.105	0.106	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	8	38	0.013	0.063	A	A	0.012	0.058	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	8	39	0.013	0.065	A	A	0.012	0.059	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	8	39	0.013	0.065	A	A	0.012	0.059	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	28	45	0.047	0.075	A	A	0.042	0.068	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	28	45	0.047	0.075	A	A	0.042	0.068	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	28	45	0.047	0.075	A	A	0.042	0.068	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	651	124	1.085	0.207	F	A	0.986	0.188	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	139	591	0.232	0.985	A	E	0.211	0.895	A	D
ZELZAH AVE	Simonds	Index	1	1	600	600	699	538	1.165	0.897	F	D	1.059	0.815	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	699	538	1.165	0.897	F	D	1.059	0.815	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	699	538	1.165	0.897	F	D	1.059	0.815	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	699	538	1.165	0.897	F	D	1.059	0.815	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	787	645	1.312	1.075	F	F	1.192	0.977	F	E
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	787	645	1.312	1.075	F	F	1.192	0.977	F	E
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	834	663	1.390	1.105	F	F	1.264	1.005	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	851	719	1.418	1.198	F	F	1.289	1.089	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	851	719	1.418	1.198	F	F	1.289	1.089	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	957	591	0.684	0.422	B	A	0.621	0.384	B	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	957	591	0.684	0.422	B	A	0.621	0.384	B	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,190	857	0.850	0.612	D	B	0.773	0.556	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,190	857	0.850	0.612	D	B	0.773	0.556	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	307	51	0.256	0.043	A	A	0.233	0.039	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	1,079	637	1.798	1.062	F	F	1.635	0.965	F	E
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	942	764	1.570	1.273	F	F	1.427	1.158	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	526	360	0.877	0.600	D	B	0.797	0.545	C	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	526	360	0.877	0.600	D	B	0.797	0.545	C	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	208	153	0.173	0.128	A	A	0.158	0.116	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	42	41	0.070	0.068	A	A	0.064	0.062	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	42	41	0.070	0.068	A	A	0.064	0.062	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	24	21	0.040	0.035	A	A	0.036	0.032	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	24	21	0.040	0.035	A	A	0.036	0.032	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	40	25	0.067	0.042	A	A	0.061	0.038	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	230	26	0.383	0.043	A	A	0.348	0.039	A	A
NUGENT DR	Westbury	Angelaïne	1	1	600	600	307	103	0.512	0.172	A	A	0.465	0.156	A	A
NUGENT DR	Angelaïne	Bradford	1	1	600	600	307	103	0.512	0.172	A	A	0.465	0.156	A	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	427	187	0.712	0.312	C	A	0.647	0.283	B	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	372	147	0.620	0.245	B	A	0.564	0.223	A	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	724	442	1.207	0.737	F	C	1.097	0.670	F	B
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	710	417	1.183	0.695	F	B	1.076	0.632	F	B
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	710	417	1.183	0.695	F	B	1.076	0.632	F	B
TROSA ST	Jollette	Neon Way	1	1	600	600	27	48	0.045	0.080	A	A	0.041	0.073	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	106	68	0.177	0.113	A	A	0.161	0.103	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	183	55	0.305	0.092	A	A	0.277	0.083	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	183	55	0.305	0.092	A	A	0.277	0.083	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	183	55	0.305	0.092	A	A	0.277	0.083	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	152	88	0.253	0.147	A	A	0.230	0.133	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	267	171	0.445	0.285	A	A	0.405	0.259	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	267	171	0.445	0.285	A	A	0.405	0.259	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	215	171	0.358	0.285	A	A	0.326	0.259	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	28	26	0.047	0.043	A	A	0.042	0.039	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	58	80	0.097	0.133	A	A	0.088	0.121	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	58	80	0.097	0.133	A	A	0.088	0.121	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	58	80	0.097	0.133	A	A	0.088	0.121	A	A

APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Sunderland	Bambi	1	1	600	600	151	6	0.252	0.010	A	A	0.229	0.009	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	151	6	0.252	0.010	A	A	0.229	0.009	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	151	6	0.252	0.010	A	A	0.229	0.009	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	151	6	0.252	0.010	A	A	0.229	0.009	A	A
BRADFORD PL	Mindora	Signature	1	1	600	600	151	6	0.252	0.010	A	A	0.229	0.009	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	52	42	0.087	0.070	A	A	0.079	0.064	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	52	42	0.087	0.070	A	A	0.079	0.064	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	52	40	0.087	0.067	A	A	0.079	0.061	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	203	22	0.338	0.037	A	A	0.308	0.033	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	203	22	0.338	0.037	A	A	0.308	0.033	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	203	22	0.338	0.037	A	A	0.308	0.033	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	203	22	0.338	0.037	A	A	0.308	0.033	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	73	5	0.122	0.008	A	A	0.111	0.008	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	73	5	0.122	0.008	A	A	0.111	0.008	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	73	5	0.122	0.008	A	A	0.111	0.008	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	73	5	0.122	0.008	A	A	0.111	0.008	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	453	261	0.755	0.435	C	A	0.686	0.395	B	A
ENCINO AVE	Kalisher	Index	1	1	600	600	453	261	0.755	0.435	C	A	0.686	0.395	B	A
ENCINO AVE	Index	Donmetz	1	1	600	600	67	51	0.112	0.085	A	A	0.102	0.077	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	44	21	0.073	0.035	A	A	0.067	0.032	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	44	21	0.073	0.035	A	A	0.067	0.032	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	68	27	0.113	0.045	A	A	0.103	0.041	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	68	27	0.113	0.045	A	A	0.103	0.041	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	68	27	0.113	0.045	A	A	0.103	0.041	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	171	80	0.285	0.133	A	A	0.259	0.121	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	171	80	0.285	0.133	A	A	0.259	0.121	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	224	133	0.373	0.222	A	A	0.339	0.202	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	535	292	0.892	0.487	D	A	0.811	0.442	D	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	71	96	0.118	0.160	A	A	0.108	0.145	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	443	478	0.738	0.797	C	C	0.671	0.724	B	C
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	443	478	0.738	0.797	C	C	0.671	0.724	B	C
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	443	478	0.738	0.797	C	C	0.671	0.724	B	C
LOUISE AVE	Nugent	Andasol	1	1	600	600	54	39	0.090	0.065	A	A	0.082	0.059	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	120	25	0.200	0.042	A	A	0.182	0.038	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	300	91	0.500	0.152	A	A	0.455	0.138	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	121	8	0.202	0.013	A	A	0.183	0.012	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	484	103	0.807	0.172	D	A	0.733	0.156	C	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	484	103	0.807	0.172	D	A	0.733	0.156	C	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	484	103	0.807	0.172	D	A	0.733	0.156	C	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	246	42	0.176	0.060	A	A	0.160	0.055	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	433	123	0.309	0.176	A	A	0.281	0.160	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	533	182	0.381	0.260	A	A	0.346	0.236	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	654	212	0.934	0.303	E	A	0.849	0.275	D	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	608	256	0.869	0.366	D	A	0.790	0.332	C	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	487	232	0.348	0.166	A	A	0.316	0.151	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	487	232	0.348	0.166	A	A	0.316	0.151	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	487	232	0.348	0.166	A	A	0.316	0.151	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	231	57	0.165	0.041	A	A	0.150	0.037	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	231	57	0.165	0.041	A	A	0.150	0.037	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	433	123	0.309	0.176	A	A	0.281	0.160	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	533	182	0.381	0.260	A	A	0.346	0.236	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	654	212	0.934	0.303	E	A	0.849	0.275	D	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	2,880	2,292	2.057	1.637	F	F	1.870	1.488	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	1,561	458	0.650	0.286	B	A	0.591	0.260	A	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,881	2,189	2.426	1.368	F	F	2.205	1.244	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,881	2,189	2.426	1.368	F	F	2.205	1.244	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	3,546	2,154	2.216	1.346	F	F	2.015	1.224	F	F

APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	3,546	2,154	2.216	1.346	F	F	2.015	1.224	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	3,514	1,974	2.196	1.234	F	F	1.997	1.122	F	F
BALBOA BLVD	Woodley	Colven	3	2	2400	1600	3,898	2,241	1.624	1.401	F	F	1.477	1.273	F	F
BALBOA BLVD	Colven	Pineridge	3	2	2400	1600	3,852	2,104	1.605	1.315	F	F	1.459	1.195	F	F
BALBOA BLVD	Pineridge	Knollwood	3	2	2400	1600	4,066	2,253	1.694	1.408	F	F	1.540	1.280	F	F
BALBOA BLVD	Knollwood	Midwood	3	2	2400	1600	4,174	2,333	1.739	1.458	F	F	1.581	1.326	F	F
BALBOA BLVD	Midwood	Lorillard	3	2	2400	1600	4,229	2,412	1.762	1.508	F	F	1.602	1.370	F	F
BALBOA BLVD	Lorillard	Halsey	3	2	2400	1600	4,207	2,390	1.753	1.494	F	F	1.594	1.358	F	F
BALBOA BLVD	Halsey	Rinaldi	3	2	2400	1600	4,281	2,396	1.784	1.498	F	F	1.622	1.361	F	F
BALBOA BLVD	Rinaldi	Index	3	2	2400	1600	4,202	2,649	1.751	1.656	F	F	1.592	1.505	F	F
BALBOA BLVD	Index	San Fern. Mission	3	2	2400	1600	2,920	1,519	1.217	0.949	F	E	1.106	0.863	F	D
BALBOA BLVD	San Fern. Mission	Tulsa	3	2	2400	1600	3,043	1,434	1.268	0.896	F	D	1.153	0.815	F	D
BALBOA BLVD	Tulsa	Los Alimos	3	2	2400	1600	2,934	1,403	1.223	0.877	F	D	1.111	0.797	F	C
BALBOA BLVD	Los Alimos	Chatsworth	3	2	2400	1600	2,934	1,403	1.223	0.877	F	D	1.111	0.797	F	C
BALBOA BLVD	Chatsworth	Kingsbury	3	2	2400	1600	2,847	1,384	1.186	0.865	F	D	1.078	0.786	F	C
BALBOA BLVD	Kingsbury	Germain	3	2	2400	1600	2,847	1,384	1.186	0.865	F	D	1.078	0.786	F	C
BALBOA BLVD	Germain	San Jose	3	2	2400	1600	2,847	1,384	1.186	0.865	F	D	1.078	0.786	F	C
BALBOA BLVD	San Jose	Blackhawk	3	2	2400	1600	2,540	1,007	1.058	0.629	F	B	0.962	0.572	E	A
BALBOA BLVD	Blackhawk	Devonshire	3	2	2400	1600	2,540	1,007	1.058	0.629	F	B	0.962	0.572	E	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	44	43	0.073	0.072	A	A	0.067	0.065	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	44	43	0.073	0.072	A	A	0.067	0.065	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	44	43	0.073	0.072	A	A	0.067	0.065	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	9	4	0.015	0.007	A	A	0.014	0.006	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	9	4	0.015	0.007	A	A	0.014	0.006	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	9	4	0.015	0.007	A	A	0.014	0.006	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	48	40	0.080	0.067	A	A	0.073	0.061	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	48	40	0.080	0.067	A	A	0.073	0.061	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	216	124	0.360	0.207	A	A	0.327	0.188	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	46	46	0.077	0.077	A	A	0.070	0.070	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	42	36	0.070	0.060	A	A	0.064	0.055	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	42	36	0.070	0.060	A	A	0.064	0.055	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	42	36	0.070	0.060	A	A	0.064	0.055	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	158	109	0.263	0.182	A	A	0.239	0.165	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	3	37	0.005	0.062	A	A	0.005	0.056	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	3	37	0.005	0.062	A	A	0.005	0.056	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	3	37	0.005	0.062	A	A	0.005	0.056	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	444	196	0.317	0.140	A	A	0.288	0.127	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	219	618	0.156	0.441	A	A	0.142	0.401	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,146	392	0.819	0.280	D	A	0.744	0.255	C	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,597	747	1.141	0.534	F	A	1.037	0.485	F	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,440	663	1.029	0.474	F	A	0.935	0.431	E	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,357	665	0.969	0.475	E	A	0.881	0.432	D	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	925	305	0.661	0.218	B	A	0.601	0.198	B	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	875	472	0.625	0.337	B	A	0.568	0.306	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,035	552	0.739	0.394	C	A	0.672	0.358	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	857	259	0.612	0.185	B	A	0.556	0.168	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	857	259	0.612	0.185	B	A	0.556	0.168	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	909	322	0.649	0.230	B	A	0.590	0.209	A	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	155	106	0.258	0.177	A	A	0.235	0.161	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	13	42	0.022	0.070	A	A	0.020	0.064	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	13	42	0.022	0.070	A	A	0.020	0.064	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	39	49	0.065	0.082	A	A	0.059	0.074	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	659	570	1.098	0.950	F	E	0.998	0.864	E	D
WOODLEY AVE	Balboa	McLennan	1	1	600	600	40	50	0.067	0.083	A	A	0.061	0.076	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	40	50	0.067	0.083	A	A	0.061	0.076	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	40	35	0.067	0.058	A	A	0.061	0.053	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	40	35	0.067	0.058	A	A	0.061	0.053	A	A

APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	40	27	0.067	0.045	A	A	0.061	0.041	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	40	27	0.067	0.045	A	A	0.061	0.041	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	39	39	0.065	0.065	A	A	0.059	0.059	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	39	26	0.065	0.043	A	A	0.059	0.039	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	841	497	0.526	0.311	A	A	0.478	0.282	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	820	497	0.513	0.311	A	A	0.466	0.282	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,389	510	0.868	0.319	D	A	0.789	0.290	C	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	744	329	0.465	0.206	A	A	0.423	0.187	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	808	360	0.505	0.225	A	A	0.459	0.205	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,300	529	0.813	0.331	D	A	0.739	0.301	C	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,912	1,179	1.195	0.737	F	C	1.086	0.670	F	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,554	866	0.971	0.541	E	A	0.883	0.492	D	A
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,473	823	0.921	0.514	E	A	0.837	0.468	D	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,468	747	0.918	0.467	E	A	0.834	0.424	D	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	95	132	0.158	0.220	A	A	0.144	0.200	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	31	38	0.052	0.063	A	A	0.047	0.058	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	31	38	0.052	0.063	A	A	0.047	0.058	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	68	77	0.113	0.128	A	A	0.103	0.117	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	107	94	0.178	0.157	A	A	0.162	0.142	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	8	7	0.013	0.012	A	A	0.012	0.011	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	8	7	0.013	0.012	A	A	0.012	0.011	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	37	39	0.062	0.065	A	A	0.056	0.059	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	35	49	0.058	0.082	A	A	0.053	0.074	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	35	49	0.058	0.082	A	A	0.053	0.074	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	674	156	0.481	0.111	A	A	0.438	0.101	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	201	150	0.144	0.107	A	A	0.131	0.097	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	201	150	0.144	0.107	A	A	0.131	0.097	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	278	279	0.199	0.199	A	A	0.181	0.181	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	364	284	0.260	0.203	A	A	0.236	0.184	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	364	284	0.260	0.203	A	A	0.236	0.184	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	364	284	0.260	0.203	A	A	0.236	0.184	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	614	342	0.439	0.244	A	A	0.399	0.222	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	614	342	0.439	0.244	A	A	0.399	0.222	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	422	336	0.301	0.240	A	A	0.274	0.218	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	634	271	0.453	0.194	A	A	0.412	0.176	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	634	271	0.453	0.194	A	A	0.412	0.176	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	565	181	0.404	0.129	A	A	0.367	0.118	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	35	49	0.058	0.082	A	A	0.053	0.074	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	35	49	0.058	0.082	A	A	0.053	0.074	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	35	49	0.058	0.082	A	A	0.053	0.074	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	5,250	1,439	3.281	0.899	F	D	2.983	0.818	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,196	5,244	1.373	3.278	F	F	1.248	2.980	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	657	3,117	0.411	1.948	A	F	0.373	1.771	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,587	351	0.992	0.219	E	A	0.902	0.199	E	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,677	462	2.096	0.578	F	A	1.906	0.525	F	A
SESNON BLVD	Cascade Canyon	Marcus	2	2	1600	1600	108	145	0.068	0.091	A	A	0.061	0.082	A	A
SESNON BLVD	Marcus	Neon	2	2	1600	1600	108	145	0.068	0.091	A	A	0.061	0.082	A	A
SESNON BLVD	Neon	Jolette	2	2	1600	1600	108	145	0.068	0.091	A	A	0.061	0.082	A	A
SESNON BLVD	Jolette	Bronte	2	2	1600	1600	40	38	0.025	0.024	A	A	0.023	0.022	A	A
SESNON BLVD	Bronte	Tuscan	2	2	1600	1600	40	38	0.025	0.024	A	A	0.023	0.022	A	A
SESNON BLVD	Tuscan	Meadowlark	2	2	1600	1600	40	38	0.025	0.024	A	A	0.023	0.022	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	285	38	0.356	0.048	A	A	0.324	0.043	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	335	36	0.419	0.045	A	A	0.381	0.041	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	335	36	0.419	0.045	A	A	0.381	0.041	A	A
LISETTE ST	Jolette	Jimeno	1	1	600	600	136	45	0.227	0.075	A	A	0.206	0.068	A	A
LISETTE ST	Jimeno	Balboa	1	1	600	600	270	425	0.450	0.708	A	C	0.409	0.644	A	B
WESTBURY DR	Daryl	Henzie	1	1	600	600	38	36	0.063	0.060	A	A	0.058	0.055	A	A

APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WESTBURY DR	Henzie	Byron	1	1	600	600	38	36	0.063	0.060	A	A	0.058	0.055	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	76	103	0.127	0.172	A	A	0.115	0.156	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	76	103	0.127	0.172	A	A	0.115	0.156	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	46	138	0.077	0.230	A	A	0.070	0.209	A	A
ROSNIK PL	El Oro	McLennan	1	1	600	600	52	42	0.087	0.070	A	A	0.079	0.064	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	71	50	0.118	0.083	A	A	0.108	0.076	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	38	33	0.063	0.055	A	A	0.058	0.050	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	38	33	0.063	0.055	A	A	0.058	0.050	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	38	47	0.063	0.078	A	A	0.058	0.071	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	23	150	0.038	0.250	A	A	0.035	0.227	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	26	26	0.043	0.043	A	A	0.039	0.039	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	209	140	0.348	0.233	A	A	0.317	0.212	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	109	158	0.182	0.263	A	A	0.165	0.239	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	32	23	0.053	0.038	A	A	0.048	0.035	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	191	11	0.318	0.018	A	A	0.289	0.017	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	32	31	0.053	0.052	A	A	0.048	0.047	A	A
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	37	42	0.062	0.070	A	A	0.056	0.064	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,758	1,571	1.099	0.982	F	E	0.999	0.893	E	D
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,882	1,167	1.176	0.729	F	C	1.069	0.663	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,776	1,170	1.110	0.731	F	C	1.009	0.665	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,818	1,107	1.136	0.692	F	B	1.033	0.629	F	B
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,818	1,107	1.136	0.692	F	B	1.033	0.629	F	B
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,387	969	0.867	0.606	D	B	0.788	0.551	C	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,126	516	0.704	0.323	C	A	0.640	0.293	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	888	455	0.555	0.284	A	A	0.505	0.259	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	888	455	0.555	0.284	A	A	0.505	0.259	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	877	571	0.548	0.357	A	A	0.498	0.324	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,064	1,087	0.665	0.679	B	B	0.605	0.618	B	B
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	1,089	1,098	0.681	0.686	B	B	0.619	0.624	B	B
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,146	906	0.716	0.566	C	A	0.651	0.515	B	A
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,176	973	0.735	0.608	C	B	0.668	0.553	B	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,093	1,016	0.683	0.635	B	B	0.621	0.577	B	A
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,734	1,351	1.084	0.844	F	D	0.985	0.768	E	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,734	1,350	1.084	0.844	F	D	0.985	0.767	E	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,408	1,506	1.505	0.941	F	E	1.368	0.856	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,430	1,534	1.519	0.959	F	E	1.381	0.872	F	D
INDEX ST	Yarmouth	Aldea	1	1	600	600	436	461	0.727	0.768	C	C	0.661	0.698	B	B
INDEX ST	Aldea	Amestoy	1	1	600	600	404	332	0.673	0.553	B	A	0.612	0.503	B	A
INDEX ST	Amestoy	Balboa	1	1	600	600	404	332	0.673	0.553	B	A	0.612	0.503	B	A
INDEX ST	Balboa	McLennan	1	1	600	600	353	140	0.588	0.233	A	A	0.535	0.212	A	A
INDEX ST	McLennan	Ruffner	1	1	600	600	340	109	0.567	0.182	A	A	0.515	0.165	A	A
INDEX ST	Ruffner	Danube	1	1	600	600	282	170	0.470	0.283	A	A	0.427	0.258	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	823	625	0.588	0.446	A	A	0.534	0.406	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	752	556	1.074	0.794	F	C	0.977	0.722	E	C
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	738	559	1.054	0.799	F	C	0.958	0.726	E	C
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	987	693	1.410	0.990	F	E	1.282	0.900	F	E
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	936	696	1.337	0.994	F	E	1.216	0.904	F	E
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	940	682	1.343	0.974	F	E	1.221	0.886	F	D
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	940	682	1.343	0.974	F	E	1.221	0.886	F	D
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	1,167	819	0.834	0.585	D	A	0.758	0.532	C	A
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,270	905	0.907	0.646	E	B	0.825	0.588	D	A
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,270	905	0.907	0.646	E	B	0.825	0.588	D	A
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,223	650	0.874	0.464	D	A	0.794	0.422	C	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,223	650	0.874	0.464	D	A	0.794	0.422	C	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	1,180	664	0.843	0.474	D	A	0.766	0.431	C	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	1,180	664	0.843	0.474	D	A	0.766	0.431	C	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,398	784	0.999	0.560	E	A	0.908	0.509	E	A



APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,398	784	0.999	0.560	E	A	0.908	0.509	E	A
SAN FERNANDO MISSION	Gothic	Haskell	2	2	1400	1400	1,384	783	0.989	0.559	E	A	0.899	0.508	D	A
SAN FERNANDO MISSION	Haskell	Danube	2	2	1400	1400	793	781	0.566	0.558	A	A	0.515	0.507	A	A
SAN FERNANDO MISSION	Danube	Blucher	2	2	1400	1400	793	781	0.566	0.558	A	A	0.515	0.507	A	A
SAN FERNANDO MISSION	Blucher	405 Fwy	2	2	1400	1400	793	781	0.566	0.558	A	A	0.515	0.507	A	A
TULSA ST	Lindley	Louise	1	1	600	600	513	366	0.855	0.610	D	B	0.777	0.555	C	A
TULSA ST	Louise	Paso Robles	1	1	600	600	372	225	0.620	0.375	B	A	0.564	0.341	A	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	432	264	0.720	0.440	C	A	0.655	0.400	B	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	254	164	0.423	0.273	A	A	0.385	0.248	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	48	46	0.080	0.077	A	A	0.073	0.070	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	48	46	0.080	0.077	A	A	0.073	0.070	A	A
JONFIN ST	Gothic	end	1	1	600	600	39	41	0.065	0.068	A	A	0.059	0.062	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,982	1,827	1.416	1.305	F	F	1.287	1.186	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,977	1,863	1.412	1.331	F	F	1.284	1.210	F	F
CHATSWORTH ST	Zelzah	Yarmouth	2	2	1400	1400	1,457	1,107	1.041	0.791	F	C	0.946	0.719	E	C
CHATSWORTH ST	Yarmouth	White Oak	2	2	1400	1400	1,457	1,107	1.041	0.791	F	C	0.946	0.719	E	C
CHATSWORTH ST	White Oak	Shoshone	2	2	1400	1400	872	536	0.623	0.383	B	A	0.566	0.348	A	A
CHATSWORTH ST	Shoshone	Encino	2	2	1400	1400	872	536	0.623	0.383	B	A	0.566	0.348	A	A
CHATSWORTH ST	Encino	Andasol	2	2	1400	1400	1,165	677	0.832	0.484	D	A	0.756	0.440	C	A
CHATSWORTH ST	Andasol	Louise	2	2	1400	1400	1,165	677	0.832	0.484	D	A	0.756	0.440	C	A
CHATSWORTH ST	Louise	Aldea	2	2	1400	1400	1,292	901	0.923	0.644	E	B	0.839	0.585	D	A
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,473	942	1.052	0.673	F	B	0.956	0.612	E	B
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,421	1,006	1.015	0.719	F	C	0.923	0.653	E	B
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,260	914	0.900	0.653	E	B	0.818	0.594	D	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,255	904	0.896	0.646	D	B	0.815	0.587	D	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	994	715	0.710	0.511	C	A	0.645	0.464	B	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	994	715	0.710	0.511	C	A	0.645	0.464	B	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	994	715	0.710	0.511	C	A	0.645	0.464	B	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	994	715	0.710	0.511	C	A	0.645	0.464	B	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	920	675	0.657	0.482	B	A	0.597	0.438	A	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	920	675	0.657	0.482	B	A	0.597	0.438	A	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	920	675	0.657	0.482	B	A	0.597	0.438	A	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,214	774	0.867	0.553	D	A	0.788	0.503	C	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,214	774	0.867	0.553	D	A	0.788	0.503	C	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	419	451	0.698	0.752	B	C	0.635	0.683	B	B
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	788	931	1.313	1.552	F	F	1.194	1.411	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	754	647	1.257	1.078	F	F	1.142	0.980	F	E
SAN JOSE ST	Shoshone	Encino	1	1	600	600	754	647	1.257	1.078	F	F	1.142	0.980	F	E
SAN JOSE ST	Encino	Bianca	1	1	600	600	635	538	1.058	0.897	F	D	0.962	0.815	E	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	635	538	1.058	0.897	F	D	0.962	0.815	E	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	635	538	1.058	0.897	F	D	0.962	0.815	E	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	610	433	1.017	0.722	F	C	0.924	0.656	E	B
SAN JOSE ST	Balboa	Danube	1	1	600	600	470	228	0.783	0.380	C	A	0.712	0.345	C	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,665	1,375	0.694	0.859	B	D	0.631	0.781	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,665	1,375	0.694	0.859	B	D	0.631	0.781	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	937	570	0.586	0.356	A	A	0.532	0.324	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	709	298	0.443	0.186	A	A	0.403	0.169	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	1,040	604	0.650	0.378	B	A	0.591	0.343	A	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	1,040	604	0.650	0.378	B	A	0.591	0.343	A	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	1,018	442	0.636	0.184	B	A	0.578	0.167	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,393	766	0.871	0.319	D	A	0.791	0.290	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	1,029	514	0.429	0.214	A	A	0.390	0.195	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	813	390	0.339	0.163	A	A	0.308	0.148	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	813	390	0.339	0.163	A	A	0.308	0.148	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,501	964	0.938	0.603	E	B	0.853	0.548	D	A
DEVONSHIRE ST	Gothic	Woodley	2	2	1600	1600	1,099	674	0.687	0.421	B	A	0.624	0.383	B	A
DEVONSHIRE ST	Woodley	Montgomery	2	2	1600	1600	1,349	962	0.843	0.601	D	B	0.766	0.547	C	A



APPENDIX A-4 PROPOSED LAND USE PLAN

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
DEVONSHIRE ST	Montgomery	Densmore	2	2	1600	1600	1,437	1,061	0.898	0.663	D	B	0.816	0.603	D	B
DEVONSHIRE ST	Densmore	Haskell	2	2	1600	1600	1,437	1,061	0.898	0.663	D	B	0.816	0.603	D	B
DEVONSHIRE ST	Haskell	Aqueduct	2	2	1600	1600	1,819	1,259	1.137	0.787	F	C	1.034	0.715	F	C
DEVONSHIRE ST	Aqueduct	Blucher	2	2	1600	1600	1,819	1,259	1.137	0.787	F	C	1.034	0.715	F	C
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,819	1,250	0.758	0.521	C	A	0.689	0.473	B	A
MAYALL ST	Balboa	end	1	1	600	600	377	323	0.628	0.538	B	A	0.571	0.489	A	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	34	37	0.057	0.062	A	A	0.052	0.056	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	216	224	0.360	0.373	A	A	0.327	0.339	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,464	1,121	1.046	0.801	F	D	0.951	0.728	E	C
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,464	1,121	1.046	0.801	F	D	0.951	0.728	E	C
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,464	1,121	1.046	0.801	F	D	0.951	0.728	E	C
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,464	1,121	1.046	0.801	F	D	0.951	0.728	E	C
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,494	1,338	1.067	0.956	F	E	0.970	0.869	E	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,494	1,338	1.067	0.956	F	E	0.970	0.869	E	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,121	1,174	0.801	0.839	D	D	0.728	0.762	C	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,323	1,329	0.945	0.949	E	E	0.859	0.863	D	D
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,323	1,329	0.945	0.949	E	E	0.859	0.863	D	D
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,323	1,329	0.945	0.949	E	E	0.859	0.863	D	D
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,294	1,216	0.924	0.869	E	D	0.840	0.790	D	C
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,294	1,216	0.924	0.869	E	D	0.840	0.790	D	C

<b>Total Links</b>	362	362	<b>724</b>		Weighted V/C
<b>Links at E or F (with ATSAC)</b>	84	30	<b>114</b>	<b>16%</b>	0.948

APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
			LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	27	43	0.045	0.072	A	A	0.041
LINDLEY AVE	Ludlow	Horace	1	1	600	600	27	43	0.045	0.072	A	A	0.041	0.065	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	27	43	0.045	0.072	A	A	0.041	0.065	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	27	39	0.045	0.065	A	A	0.041	0.059	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	40	33	0.067	0.055	A	A	0.061	0.050	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	33	47	0.055	0.078	A	A	0.050	0.071	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	33	47	0.055	0.078	A	A	0.050	0.071	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	33	47	0.055	0.078	A	A	0.050	0.071	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	633	140	1.055	0.233	F	A	0.959	0.212	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	101	624	0.168	1.040	A	F	0.153	0.945	A	E
ZELZAH AVE	Simonds	Index	1	1	600	600	826	541	1.377	0.902	F	E	1.252	0.820	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	826	541	1.377	0.902	F	E	1.252	0.820	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	826	541	1.377	0.902	F	E	1.252	0.820	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	826	541	1.377	0.902	F	E	1.252	0.820	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	701	734	1.168	1.223	F	F	1.062	1.112	F	F
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	701	734	1.168	1.223	F	F	1.062	1.112	F	F
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	871	750	1.452	1.250	F	F	1.320	1.136	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	903	770	1.505	1.283	F	F	1.368	1.167	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	903	770	1.505	1.283	F	F	1.368	1.167	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	907	646	0.648	0.461	B	A	0.589	0.419	A	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	907	646	0.648	0.461	B	A	0.589	0.419	A	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,098	784	0.784	0.560	C	A	0.713	0.509	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,098	784	0.784	0.560	C	A	0.713	0.509	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	109	32	0.091	0.027	A	A	0.083	0.024	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	824	764	1.373	1.273	F	F	1.248	1.158	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	774	793	1.290	1.322	F	F	1.173	1.202	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	341	271	0.568	0.452	A	A	0.517	0.411	A	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	341	271	0.568	0.452	A	A	0.517	0.411	A	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	206	109	0.172	0.091	A	A	0.156	0.083	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	29	26	0.048	0.043	A	A	0.044	0.039	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	29	26	0.048	0.043	A	A	0.044	0.039	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	20	11	0.033	0.018	A	A	0.030	0.017	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	20	11	0.033	0.018	A	A	0.030	0.017	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	24	12	0.040	0.020	A	A	0.036	0.018	A	A
MEADOWLARK AVE	Seson	Westbury	1	1	600	600	206	42	0.343	0.070	A	A	0.312	0.064	A	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	269	40	0.448	0.067	A	A	0.408	0.061	A	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	269	40	0.448	0.067	A	A	0.408	0.061	A	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	363	99	0.605	0.165	B	A	0.550	0.150	A	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	329	71	0.548	0.118	A	A	0.498	0.108	A	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	673	320	1.122	0.533	F	A	1.020	0.485	F	A
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	644	304	1.073	0.507	F	A	0.976	0.461	E	A
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	644	304	1.073	0.507	F	A	0.976	0.461	E	A
TROSA ST	Jollette	Neon Way	1	1	600	600	43	45	0.072	0.075	A	A	0.065	0.068	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	67	33	0.112	0.055	A	A	0.102	0.050	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	97	41	0.162	0.068	A	A	0.147	0.062	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	97	41	0.162	0.068	A	A	0.147	0.062	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	97	41	0.162	0.068	A	A	0.147	0.062	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	71	70	0.118	0.117	A	A	0.108	0.106	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	189	123	0.315	0.205	A	A	0.286	0.186	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	189	123	0.315	0.205	A	A	0.286	0.186	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	184	123	0.307	0.205	A	A	0.279	0.186	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	32	50	0.053	0.083	A	A	0.048	0.076	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	46	69	0.077	0.115	A	A	0.070	0.105	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	46	69	0.077	0.115	A	A	0.070	0.105	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	46	69	0.077	0.115	A	A	0.070	0.105	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	113	3	0.188	0.005	A	A	0.171	0.005	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	113	3	0.188	0.005	A	A	0.171	0.005	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	113	3	0.188	0.005	A	A	0.171	0.005	A	A

APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
			BRADFORD PL	Dresden	Mindora	1	1	600	600	113	3	0.188	0.005	A	A	0.171
BRADFORD PL	Mindora	Signature	1	1	600	600	113	3	0.188	0.005	A	A	0.171	0.005	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	5	40	0.008	0.067	A	A	0.008	0.061	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	5	40	0.008	0.067	A	A	0.008	0.061	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	5	38	0.008	0.063	A	A	0.008	0.058	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	113	15	0.188	0.025	A	A	0.171	0.023	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	113	15	0.188	0.025	A	A	0.171	0.023	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	113	15	0.188	0.025	A	A	0.171	0.023	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	113	15	0.188	0.025	A	A	0.171	0.023	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	54	26	0.090	0.043	A	A	0.082	0.039	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	54	26	0.090	0.043	A	A	0.082	0.039	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	54	26	0.090	0.043	A	A	0.082	0.039	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	54	26	0.090	0.043	A	A	0.082	0.039	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	462	297	0.770	0.495	C	A	0.700	0.450	C	A
ENCINO AVE	Kalisher	Index	1	1	600	600	462	297	0.770	0.495	C	A	0.700	0.450	C	A
ENCINO AVE	Index	Donmetz	1	1	600	600	62	37	0.103	0.062	A	A	0.094	0.056	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	16	28	0.027	0.047	A	A	0.024	0.042	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	16	28	0.027	0.047	A	A	0.024	0.042	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	18	16	0.030	0.027	A	A	0.027	0.024	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	18	16	0.030	0.027	A	A	0.027	0.024	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	18	16	0.030	0.027	A	A	0.027	0.024	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	51	42	0.085	0.070	A	A	0.077	0.064	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	51	42	0.085	0.070	A	A	0.077	0.064	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	96	43	0.160	0.072	A	A	0.145	0.065	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	345	158	0.575	0.263	A	A	0.523	0.239	A	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	34	16	0.057	0.027	A	A	0.052	0.024	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	491	366	0.818	0.610	D	B	0.744	0.555	C	A
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	491	366	0.818	0.610	D	B	0.744	0.555	C	A
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	491	366	0.818	0.610	D	B	0.744	0.555	C	A
LOUISE AVE	Nugent	Andasol	1	1	600	600	34	28	0.057	0.047	A	A	0.052	0.042	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	87	15	0.145	0.025	A	A	0.132	0.023	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	234	57	0.390	0.095	A	A	0.355	0.086	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	92	4	0.153	0.007	A	A	0.139	0.006	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	301	55	0.502	0.092	A	A	0.456	0.083	A	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	301	55	0.502	0.092	A	A	0.456	0.083	A	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	301	55	0.502	0.092	A	A	0.456	0.083	A	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	158	19	0.113	0.027	A	A	0.103	0.025	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	358	109	0.256	0.156	A	A	0.232	0.142	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	442	183	0.316	0.261	A	A	0.287	0.238	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	573	166	0.819	0.237	D	A	0.744	0.216	C	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	430	163	0.614	0.233	B	A	0.558	0.212	A	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	391	215	0.279	0.154	A	A	0.254	0.140	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	391	215	0.279	0.154	A	A	0.254	0.140	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	391	215	0.279	0.154	A	A	0.254	0.140	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	268	56	0.191	0.040	A	A	0.174	0.036	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	268	56	0.191	0.040	A	A	0.174	0.036	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	358	109	0.256	0.156	A	A	0.232	0.142	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	442	183	0.316	0.261	A	A	0.287	0.238	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	573	166	0.819	0.237	D	A	0.744	0.216	C	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	1,848	2,075	1.320	1.482	F	F	1.200	1.347	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	1,733	518	0.722	0.324	C	A	0.656	0.294	B	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,122	2,133	1.951	1.333	F	F	1.774	1.212	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,122	2,133	1.951	1.333	F	F	1.774	1.212	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	2,822	2,114	1.764	1.321	F	F	1.603	1.201	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	2,822	2,114	1.764	1.321	F	F	1.603	1.201	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	2,773	1,956	1.733	1.223	F	F	1.576	1.111	F	F
BALBOA BLVD	Woodley	Colven	3	2	2400	1600	3,144	2,206	1.310	1.379	F	F	1.191	1.253	F	F
BALBOA BLVD	Colven	Pineridge	3	2	2400	1600	3,108	2,137	1.295	1.336	F	F	1.177	1.214	F	F
BALBOA BLVD	Pineridge	Knollwood	3	2	2400	1600	3,290	2,244	1.371	1.403	F	F	1.246	1.275	F	F
BALBOA BLVD	Knollwood	Midwood	3	2	2400	1600	3,373	2,296	1.405	1.435	F	F	1.278	1.305	F	F

APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Midwood	Lorillard	3	2	2400	1600	3,475	2,358	1.448	1.474	F	F	1.316	1.340	F	F
BALBOA BLVD	Lorillard	Halsey	3	2	2400	1600	3,447	2,331	1.436	1.457	F	F	1.306	1.324	F	F
BALBOA BLVD	Halsey	Rinaldi	3	2	2400	1600	3,500	2,331	1.458	1.457	F	F	1.326	1.324	F	F
BALBOA BLVD	Rinaldi	Index	3	2	2400	1600	3,540	2,632	1.475	1.645	F	F	1.341	1.495	F	F
BALBOA BLVD	Index	San Fern. Mission	3	2	2400	1600	2,443	1,564	1.018	0.978	F	E	0.925	0.889	E	D
BALBOA BLVD	San Fern. Mission	Tulsa	3	2	2400	1600	2,400	1,457	1.000	0.911	F	E	0.909	0.828	E	D
BALBOA BLVD	Tulsa	Los Alimos	3	2	2400	1600	2,317	1,276	0.965	0.798	E	C	0.878	0.725	D	C
BALBOA BLVD	Los Alimos	Chatsworth	3	2	2400	1600	2,317	1,276	0.965	0.798	E	C	0.878	0.725	D	C
BALBOA BLVD	Chatsworth	Kingsbury	3	2	2400	1600	2,666	1,373	1.111	0.858	F	D	1.010	0.780	F	C
BALBOA BLVD	Kingsbury	Germain	3	2	2400	1600	2,666	1,373	1.111	0.858	F	D	1.010	0.780	F	C
BALBOA BLVD	Germain	San Jose	3	2	2400	1600	2,666	1,373	1.111	0.858	F	D	1.010	0.780	F	C
BALBOA BLVD	San Jose	Blackhawk	3	2	2400	1600	2,401	1,052	1.000	0.658	F	B	0.909	0.598	E	A
BALBOA BLVD	Blackhawk	Devonshire	3	2	2400	1600	2,401	1,052	1.000	0.658	F	B	0.909	0.598	E	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	42	50	0.070	0.083	A	A	0.064	0.076	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	42	50	0.070	0.083	A	A	0.064	0.076	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	42	50	0.070	0.083	A	A	0.064	0.076	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	5	37	0.008	0.062	A	A	0.008	0.056	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	5	37	0.008	0.062	A	A	0.008	0.056	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	5	37	0.008	0.062	A	A	0.008	0.056	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	48	27	0.080	0.045	A	A	0.073	0.041	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	48	27	0.080	0.045	A	A	0.073	0.041	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	207	95	0.345	0.158	A	A	0.314	0.144	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	50	46	0.083	0.077	A	A	0.076	0.070	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	27	49	0.045	0.082	A	A	0.041	0.074	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	27	49	0.045	0.082	A	A	0.041	0.074	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	27	49	0.045	0.082	A	A	0.041	0.074	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	129	93	0.215	0.155	A	A	0.195	0.141	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	3	46	0.005	0.077	A	A	0.005	0.070	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	3	46	0.005	0.077	A	A	0.005	0.070	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	3	46	0.005	0.077	A	A	0.005	0.070	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	333	231	0.238	0.165	A	A	0.216	0.150	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	150	700	0.107	0.500	A	A	0.097	0.455	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,017	411	0.726	0.294	C	A	0.660	0.267	B	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,531	734	1.094	0.524	F	A	0.994	0.477	E	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,407	616	1.005	0.440	F	A	0.914	0.400	E	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,407	609	1.005	0.435	F	A	0.914	0.395	E	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	790	278	0.564	0.199	A	A	0.513	0.181	A	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	852	424	0.609	0.303	B	A	0.553	0.275	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,048	470	0.749	0.336	C	A	0.681	0.305	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	870	205	0.621	0.146	B	A	0.565	0.133	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	870	205	0.621	0.146	B	A	0.565	0.133	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	891	266	0.636	0.190	B	A	0.579	0.173	A	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	126	91	0.210	0.152	A	A	0.191	0.138	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	12	4	0.020	0.007	A	A	0.018	0.006	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	12	4	0.020	0.007	A	A	0.018	0.006	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	41	28	0.068	0.047	A	A	0.062	0.042	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	592	525	0.987	0.875	E	D	0.897	0.795	D	C
WOODLEY AVE	Balboa	McLennan	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	28	41	0.047	0.068	A	A	0.042	0.062	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	28	41	0.047	0.068	A	A	0.042	0.062	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	27	36	0.045	0.060	A	A	0.041	0.055	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	27	36	0.045	0.060	A	A	0.041	0.055	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	26	40	0.043	0.067	A	A	0.039	0.061	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	26	47	0.043	0.078	A	A	0.039	0.071	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	885	444	0.553	0.278	A	A	0.503	0.252	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	848	437	0.530	0.273	A	A	0.482	0.248	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,145	435	0.716	0.272	C	A	0.651	0.247	B	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	588	354	0.368	0.221	A	A	0.334	0.201	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	637	370	0.398	0.231	A	A	0.362	0.210	A	A

APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,108	477	0.693	0.298	B	A	0.630	0.271	B	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,725	1,062	1.078	0.664	F	B	0.980	0.603	E	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,435	725	0.897	0.453	D	A	0.815	0.412	D	A
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,335	661	0.834	0.413	D	A	0.759	0.376	C	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,342	595	0.839	0.372	D	A	0.763	0.338	C	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	71	108	0.118	0.180	A	A	0.108	0.164	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	45	50	0.075	0.083	A	A	0.068	0.076	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	45	50	0.075	0.083	A	A	0.068	0.076	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	45	57	0.075	0.095	A	A	0.068	0.086	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	91	69	0.152	0.115	A	A	0.138	0.105	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	4	3	0.007	0.005	A	A	0.006	0.005	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	4	3	0.007	0.005	A	A	0.006	0.005	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	42	33	0.070	0.055	A	A	0.064	0.050	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	41	25	0.068	0.042	A	A	0.062	0.038	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	41	25	0.068	0.042	A	A	0.062	0.038	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	435	168	0.311	0.120	A	A	0.282	0.109	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	197	144	0.141	0.103	A	A	0.128	0.094	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	197	144	0.141	0.103	A	A	0.128	0.094	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	257	240	0.184	0.171	A	A	0.167	0.156	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	305	245	0.218	0.175	A	A	0.198	0.159	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	305	245	0.218	0.175	A	A	0.198	0.159	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	305	245	0.218	0.175	A	A	0.198	0.159	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	646	272	0.461	0.194	A	A	0.419	0.177	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	646	272	0.461	0.194	A	A	0.419	0.177	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	399	255	0.285	0.182	A	A	0.259	0.166	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	610	213	0.436	0.152	A	A	0.396	0.138	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	610	213	0.436	0.152	A	A	0.396	0.138	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	571	150	0.408	0.107	A	A	0.371	0.097	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	41	25	0.068	0.042	A	A	0.062	0.038	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	41	25	0.068	0.042	A	A	0.062	0.038	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	41	25	0.068	0.042	A	A	0.062	0.038	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,867	1,324	2.417	0.828	F	D	2.197	0.752	F	C
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,112	3,862	1.320	2.414	F	F	1.200	2.194	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	666	2,643	0.416	1.652	A	F	0.378	1.502	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,489	358	0.931	0.224	E	A	0.846	0.203	D	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,550	387	1.938	0.484	F	A	1.761	0.440	F	A
SESNON BLVD	Cascade Canyon	Marcus	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Marcus	Neon	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Neon	Jollette	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Jollette	Bronte	2	2	1600	1600	20	21	0.013	0.013	A	A	0.011	0.012	A	A
SESNON BLVD	Bronte	Tuscan	2	2	1600	1600	20	21	0.013	0.013	A	A	0.011	0.012	A	A
SESNON BLVD	Tuscan	Meadowlark	2	2	1600	1600	20	21	0.013	0.013	A	A	0.011	0.012	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	229	21	0.286	0.026	A	A	0.260	0.024	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	300	19	0.375	0.024	A	A	0.341	0.022	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	300	19	0.375	0.024	A	A	0.341	0.022	A	A
LISETTE ST	Jollette	Jimeno	1	1	600	600	73	42	0.122	0.070	A	A	0.111	0.064	A	A
LISETTE ST	Jimeno	Balboa	1	1	600	600	250	399	0.417	0.665	A	B	0.379	0.605	A	B
WESTBURY DR	Daryl	Henzie	1	1	600	600	38	38	0.063	0.063	A	A	0.058	0.058	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	38	38	0.063	0.063	A	A	0.058	0.058	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	63	40	0.105	0.067	A	A	0.095	0.061	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	63	40	0.105	0.067	A	A	0.095	0.061	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	37	68	0.062	0.113	A	A	0.056	0.103	A	A
ROSNICK PL	El Oro	McLennan	1	1	600	600	5	38	0.008	0.063	A	A	0.008	0.058	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	50	35	0.083	0.058	A	A	0.076	0.053	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	49	49	0.082	0.082	A	A	0.074	0.074	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	49	49	0.082	0.082	A	A	0.074	0.074	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	36	38	0.060	0.063	A	A	0.055	0.058	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	15	108	0.025	0.180	A	A	0.023	0.164	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	45	43	0.075	0.072	A	A	0.068	0.065	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	65	63	0.108	0.105	A	A	0.098	0.095	A	A

APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
			SHAMHART DR	Knollwood	Woodley	1	1	600	600	93	129	0.155	0.215	A	A	0.141
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	38	25	0.063	0.042	A	A	0.058	0.038	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	49	3	0.082	0.005	A	A	0.074	0.005	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	40	29	0.067	0.048	A	A	0.061	0.044	A	A
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	35	40	0.058	0.067	A	A	0.053	0.061	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,762	1,436	1.101	0.898	F	D	1.001	0.816	F	D
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,856	1,038	1.160	0.649	F	B	1.055	0.590	F	A
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,739	1,046	1.087	0.654	F	B	0.988	0.594	E	A
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,758	1,026	1.099	0.641	F	B	0.999	0.583	E	A
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,758	1,026	1.099	0.641	F	B	0.999	0.583	E	A
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,365	973	0.853	0.608	D	B	0.776	0.553	C	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,068	511	0.668	0.319	B	A	0.607	0.290	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	920	470	0.575	0.294	A	A	0.523	0.267	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	920	470	0.575	0.294	A	A	0.523	0.267	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	924	562	0.578	0.351	A	A	0.525	0.319	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,228	1,125	0.768	0.703	C	C	0.698	0.639	B	B
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	1,337	1,095	0.836	0.684	D	B	0.760	0.622	C	B
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,263	919	0.789	0.574	C	A	0.718	0.522	C	A
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,295	977	0.809	0.611	D	B	0.736	0.555	C	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,237	1,015	0.773	0.634	C	B	0.703	0.577	C	A
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,958	1,322	1.224	0.826	F	D	1.113	0.751	F	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,961	1,328	1.226	0.830	F	D	1.114	0.755	F	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,396	1,495	1.498	0.934	F	E	1.361	0.849	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,420	1,559	1.513	0.974	F	E	1.375	0.886	F	D
INDEX ST	Yarmouth	Aldea	1	1	600	600	377	480	0.628	0.800	B	D	0.571	0.727	A	C
INDEX ST	Aldea	Amestoy	1	1	600	600	389	397	0.648	0.662	B	B	0.589	0.602	A	B
INDEX ST	Amestoy	Balboa	1	1	600	600	389	397	0.648	0.662	B	B	0.589	0.602	A	B
INDEX ST	Balboa	McLennan	1	1	600	600	353	169	0.588	0.282	A	A	0.535	0.256	A	A
INDEX ST	McLennan	Ruffner	1	1	600	600	328	120	0.547	0.200	A	A	0.497	0.182	A	A
INDEX ST	Ruffner	Danube	1	1	600	600	289	254	0.482	0.423	A	A	0.438	0.385	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	904	452	0.646	0.323	B	A	0.587	0.294	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	861	425	1.230	0.607	F	B	1.118	0.552	F	A
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	615	498	0.879	0.711	D	C	0.799	0.647	C	B
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	797	622	1.139	0.889	F	D	1.035	0.808	F	D
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	752	611	1.074	0.873	F	D	0.977	0.794	E	C
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	763	609	1.090	0.870	F	D	0.991	0.791	E	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	763	609	1.090	0.870	F	D	0.991	0.791	E	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	1,034	733	0.739	0.524	C	A	0.671	0.476	B	A
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,214	859	0.867	0.614	D	B	0.788	0.558	C	A
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,214	859	0.867	0.614	D	B	0.788	0.558	C	A
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,032	613	0.737	0.438	C	A	0.670	0.398	B	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,032	613	0.737	0.438	C	A	0.670	0.398	B	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	965	601	0.689	0.429	B	A	0.627	0.390	B	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	965	601	0.689	0.429	B	A	0.627	0.390	B	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,269	715	0.906	0.511	E	A	0.824	0.464	D	A
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,269	715	0.906	0.511	E	A	0.824	0.464	D	A
SAN FERNANDO MISSION	Gothic	Haskell	2	2	1400	1400	1,256	710	0.897	0.507	D	A	0.816	0.461	D	A
SAN FERNANDO MISSION	Haskell	Danube	2	2	1400	1400	721	771	0.515	0.551	A	A	0.468	0.501	A	A
SAN FERNANDO MISSION	Danube	Blucher	2	2	1400	1400	721	771	0.515	0.551	A	A	0.468	0.501	A	A
SAN FERNANDO MISSION	Blucher	405 Fwy	2	2	1400	1400	721	771	0.515	0.551	A	A	0.468	0.501	A	A
TULSA ST	Lindley	Louise	1	1	600	600	574	454	0.957	0.757	E	C	0.870	0.688	D	B
TULSA ST	Louise	Paso Robles	1	1	600	600	331	386	0.552	0.643	A	B	0.502	0.585	A	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	352	422	0.587	0.703	A	C	0.533	0.639	A	B
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	174	149	0.290	0.248	A	A	0.264	0.226	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	50	27	0.083	0.045	A	A	0.076	0.041	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	50	27	0.083	0.045	A	A	0.076	0.041	A	A
JONFIN ST	Gothic	end	1	1	600	600	29	25	0.048	0.042	A	A	0.044	0.038	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,701	1,820	1.215	1.300	F	F	1.105	1.182	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,694	1,835	1.210	1.311	F	F	1.100	1.192	F	F
CHATSWORTH ST	Zelzah	Yarmouth	1	1	700	700	749	761	1.070	1.087	F	F	0.973	0.988	E	E



APPENDIX A-5 TRANSPORTATION ALTERNATIVE ONE

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
			CHATSWORTH ST	Yarmouth	White Oak	1	1	700	700	749	761	1.070	1.087	F	F	0.973
CHATSWORTH ST	White Oak	Shoshone	1	1	700	700	298	225	0.426	0.321	A	A	0.387	0.292	A	A
CHATSWORTH ST	Shoshone	Encino	1	1	700	700	298	225	0.426	0.321	A	A	0.387	0.292	A	A
CHATSWORTH ST	Encino	Andasol	1	1	700	700	545	338	0.779	0.483	C	A	0.708	0.439	C	A
CHATSWORTH ST	Andasol	Louise	1	1	700	700	545	338	0.779	0.483	C	A	0.708	0.439	C	A
CHATSWORTH ST	Louise	Aldea	1	1	700	700	635	519	0.907	0.741	E	C	0.825	0.674	D	B
CHATSWORTH ST	Aldea	Genesta	1	1	700	700	763	541	1.090	0.773	F	C	0.991	0.703	E	C
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	718	623	0.513	0.445	A	A	0.466	0.405	A	A
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,178	831	0.841	0.594	D	A	0.765	0.540	C	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,178	826	0.841	0.590	D	A	0.765	0.536	C	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	791	725	0.565	0.518	A	A	0.514	0.471	A	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	791	725	0.565	0.518	A	A	0.514	0.471	A	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	791	725	0.565	0.518	A	A	0.514	0.471	A	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	791	725	0.565	0.518	A	A	0.514	0.471	A	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	731	632	0.522	0.451	A	A	0.475	0.410	A	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	731	632	0.522	0.451	A	A	0.475	0.410	A	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	731	632	0.522	0.451	A	A	0.475	0.410	A	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,106	690	0.790	0.493	C	A	0.718	0.448	C	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,106	690	0.790	0.493	C	A	0.718	0.448	C	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	535	482	0.892	0.803	D	D	0.811	0.730	D	C
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	789	709	1.315	1.182	F	F	1.195	1.074	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	603	678	1.005	1.130	F	F	0.914	1.027	E	F
SAN JOSE ST	Shoshone	Encino	1	1	600	600	603	678	1.005	1.130	F	F	0.914	1.027	E	F
SAN JOSE ST	Encino	Bianca	1	1	600	600	592	561	0.987	0.935	E	E	0.897	0.850	D	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	592	561	0.987	0.935	E	E	0.897	0.850	D	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	626	558	1.043	0.930	F	E	0.948	0.845	E	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	463	402	0.772	0.670	C	B	0.702	0.609	C	B
SAN JOSE ST	Balboa	Danube	1	1	600	600	306	194	0.510	0.323	A	A	0.464	0.294	A	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,637	1,310	0.682	0.819	B	D	0.620	0.744	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,637	1,310	0.682	0.819	B	D	0.620	0.744	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	1,129	567	0.706	0.354	C	A	0.641	0.322	B	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	845	301	0.528	0.188	A	A	0.480	0.171	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	1,025	633	0.641	0.396	B	A	0.582	0.360	A	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	1,025	633	0.641	0.396	B	A	0.582	0.360	A	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	1,037	446	0.648	0.186	B	A	0.589	0.169	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,323	701	0.827	0.292	D	A	0.752	0.266	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	880	465	0.367	0.194	A	A	0.333	0.176	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	672	369	0.280	0.154	A	A	0.255	0.140	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	672	369	0.280	0.154	A	A	0.255	0.140	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,440	1,050	0.900	0.656	E	B	0.818	0.597	D	A
DEVONSHIRE ST	Gothic	Woodley	2	2	1600	1600	963	710	0.602	0.444	B	A	0.547	0.403	A	A
DEVONSHIRE ST	Woodley	Montgomery	2	2	1600	1600	1,165	948	0.728	0.593	C	A	0.662	0.539	B	A
DEVONSHIRE ST	Montgomery	Densmore	2	2	1600	1600	1,230	1,036	0.769	0.648	C	B	0.699	0.589	B	A
DEVONSHIRE ST	Densmore	Haskell	2	2	1600	1600	1,230	1,036	0.769	0.648	C	B	0.699	0.589	B	A
DEVONSHIRE ST	Haskell	Aqueduct	2	2	1600	1600	1,636	1,232	1.023	0.770	F	C	0.930	0.700	E	C
DEVONSHIRE ST	Aqueduct	Blucher	2	2	1600	1600	1,636	1,232	1.023	0.770	F	C	0.930	0.700	E	C
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,636	1,223	0.682	0.510	B	A	0.620	0.463	B	A
MAYALL ST	Balboa	end	1	1	600	600	425	390	0.708	0.650	C	B	0.644	0.591	B	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	31	40	0.052	0.067	A	A	0.047	0.061	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	124	152	0.207	0.253	A	A	0.188	0.230	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,404	1,162	1.003	0.830	F	D	0.912	0.755	E	C
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,404	1,162	1.003	0.830	F	D	0.912	0.755	E	C
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,404	1,162	1.003	0.830	F	D	0.912	0.755	E	C
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,404	1,162	1.003	0.830	F	D	0.912	0.755	E	C
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,381	1,331	0.986	0.951	E	E	0.897	0.864	D	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,381	1,331	0.986	0.951	E	E	0.897	0.864	D	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,149	1,248	0.821	0.891	D	D	0.746	0.810	C	D
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,337	1,396	0.955	0.997	E	E	0.868	0.906	D	E
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,337	1,396	0.955	0.997	E	E	0.868	0.906	D	E
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,337	1,396	0.955	0.997	E	E	0.868	0.906	D	E





APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	16	17	0.027	0.028	A	A	0.024	0.026	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	16	17	0.027	0.028	A	A	0.024	0.026	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	16	17	0.027	0.028	A	A	0.024	0.026	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	29	27	0.048	0.045	A	A	0.044	0.041	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	33	36	0.055	0.060	A	A	0.050	0.055	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	33	36	0.055	0.060	A	A	0.050	0.055	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	33	43	0.055	0.072	A	A	0.050	0.065	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	717	240	1.195	0.400	F	A	1.086	0.364	F	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	54	717	0.090	1.195	A	F	0.082	1.086	A	F
ZELZAH AVE	Simonds	Index	1	1	600	600	811	560	1.352	0.933	F	E	1.229	0.848	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	811	560	1.352	0.933	F	E	1.229	0.848	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	811	560	1.352	0.933	F	E	1.229	0.848	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	811	560	1.352	0.933	F	E	1.229	0.848	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	750	711	1.250	1.185	F	F	1.136	1.077	F	F
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	750	711	1.250	1.185	F	F	1.136	1.077	F	F
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	777	716	1.295	1.193	F	F	1.177	1.085	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	850	752	1.417	1.253	F	F	1.288	1.139	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	850	752	1.417	1.253	F	F	1.288	1.139	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	866	565	0.619	0.404	B	A	0.562	0.367	A	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	866	565	0.619	0.404	B	A	0.562	0.367	A	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,142	759	0.816	0.542	D	A	0.742	0.493	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,142	759	0.816	0.542	D	A	0.742	0.493	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	72	34	0.060	0.028	A	A	0.055	0.026	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	803	694	1.338	1.157	F	F	1.217	1.052	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	753	748	1.255	1.247	F	F	1.141	1.133	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	493	336	0.822	0.560	D	A	0.747	0.509	C	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	493	336	0.822	0.560	D	A	0.747	0.509	C	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	265	109	0.221	0.091	A	A	0.201	0.083	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	31	50	0.052	0.083	A	A	0.047	0.076	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	31	50	0.052	0.083	A	A	0.047	0.076	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	16	8	0.027	0.013	A	A	0.024	0.012	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	16	8	0.027	0.013	A	A	0.024	0.012	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	17	9	0.028	0.015	A	A	0.026	0.014	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	43	38	0.072	0.063	A	A	0.065	0.058	A	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	3	49	0.005	0.082	A	A	0.005	0.074	A	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	3	45	0.005	0.075	A	A	0.005	0.068	A	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	45	20	0.075	0.033	A	A	0.068	0.030	A	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	39	15	0.065	0.025	A	A	0.059	0.023	A	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	392	272	0.653	0.453	B	A	0.594	0.412	A	A
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	384	257	0.640	0.428	B	A	0.582	0.389	A	A
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	384	257	0.640	0.428	B	A	0.582	0.389	A	A
TROSA ST	Jolette	Neon Way	1	1	600	600	25	37	0.042	0.062	A	A	0.038	0.056	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	87	51	0.145	0.085	A	A	0.132	0.077	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	12	12	0.020	0.020	A	A	0.018	0.018	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	12	12	0.020	0.020	A	A	0.018	0.018	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	12	12	0.020	0.020	A	A	0.018	0.018	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	10	10	0.017	0.017	A	A	0.015	0.015	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	360	180	0.600	0.300	B	A	0.545	0.273	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	360	180	0.600	0.300	B	A	0.545	0.273	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	360	180	0.600	0.300	B	A	0.545	0.273	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	38	46	0.063	0.077	A	A	0.058	0.070	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	8	24	0.013	0.040	A	A	0.012	0.036	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	8	24	0.013	0.040	A	A	0.012	0.036	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	8	24	0.013	0.040	A	A	0.012	0.036	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A

APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Dresden	Mindora	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A
BRADFORD PL	Mindora	Signature	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	36	48	0.060	0.080	A	A	0.055	0.073	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	36	48	0.060	0.080	A	A	0.055	0.073	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	45	32	0.075	0.053	A	A	0.068	0.048	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	87	21	0.145	0.035	A	A	0.132	0.032	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	87	21	0.145	0.035	A	A	0.132	0.032	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	87	21	0.145	0.035	A	A	0.132	0.032	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	87	21	0.145	0.035	A	A	0.132	0.032	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	32	28	0.053	0.047	A	A	0.048	0.042	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	32	28	0.053	0.047	A	A	0.048	0.042	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	32	28	0.053	0.047	A	A	0.048	0.042	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	32	28	0.053	0.047	A	A	0.048	0.042	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	393	416	0.655	0.693	B	B	0.595	0.630	A	B
ENCINO AVE	Kalisher	Index	1	1	600	600	393	416	0.655	0.693	B	B	0.595	0.630	A	B
ENCINO AVE	Index	Donmetz	1	1	600	600	51	22	0.085	0.037	A	A	0.077	0.033	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	20	15	0.033	0.025	A	A	0.030	0.023	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	20	15	0.033	0.025	A	A	0.030	0.023	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	14	13	0.023	0.022	A	A	0.021	0.020	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	14	13	0.023	0.022	A	A	0.021	0.020	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	14	13	0.023	0.022	A	A	0.021	0.020	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	31	41	0.052	0.068	A	A	0.047	0.062	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	31	41	0.052	0.068	A	A	0.047	0.062	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	77	42	0.128	0.070	A	A	0.117	0.064	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	319	160	0.532	0.267	A	A	0.483	0.242	A	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	25	15	0.042	0.025	A	A	0.038	0.023	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	430	321	0.717	0.535	C	A	0.652	0.486	B	A
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	430	321	0.717	0.535	C	A	0.652	0.486	B	A
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	430	321	0.717	0.535	C	A	0.652	0.486	B	A
LOUISE AVE	Nugent	Andasol	1	1	600	600	6	4	0.010	0.007	A	A	0.009	0.006	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	90	25	0.150	0.042	A	A	0.136	0.038	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	137	52	0.228	0.087	A	A	0.208	0.079	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	39	3	0.065	0.005	A	A	0.059	0.005	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	136	51	0.227	0.085	A	A	0.206	0.077	A	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	136	51	0.227	0.085	A	A	0.206	0.077	A	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	136	51	0.227	0.085	A	A	0.206	0.077	A	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	90	66	0.064	0.094	A	A	0.058	0.086	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	206	176	0.147	0.251	A	A	0.134	0.229	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	287	246	0.205	0.351	A	A	0.186	0.319	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	376	251	0.537	0.359	A	A	0.488	0.326	A	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	328	142	0.469	0.203	A	A	0.426	0.184	A	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	266	191	0.190	0.136	A	A	0.173	0.124	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	266	191	0.190	0.136	A	A	0.173	0.124	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	266	191	0.190	0.136	A	A	0.173	0.124	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	130	44	0.093	0.031	A	A	0.084	0.029	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	130	44	0.093	0.031	A	A	0.084	0.029	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	206	176	0.147	0.251	A	A	0.134	0.229	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	287	246	0.205	0.351	A	A	0.186	0.319	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	376	251	0.537	0.359	A	A	0.488	0.326	A	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	247	126	0.176	0.090	A	A	0.160	0.082	A	A
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	126	247	0.053	0.154	A	A	0.048	0.140	A	A
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	36	49	0.023	0.031	A	A	0.020	0.028	A	A
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	26	33	0.016	0.021	A	A	0.015	0.019	A	A
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	243	9	0.152	0.006	A	A	0.138	0.005	A	A
BALBOA BLVD	Woodley	Colven	3	2	2400	1600	710	449	0.296	0.281	A	A	0.269	0.255	A	A
BALBOA BLVD	Colven	Pineridge	3	2	2400	1600	709	449	0.295	0.281	A	A	0.269	0.255	A	A
BALBOA BLVD	Pineridge	Knollwood	3	2	2400	1600	1,241	738	0.517	0.461	A	A	0.470	0.419	A	A
BALBOA BLVD	Knollwood	Midwood	3	2	2400	1600	1,241	738	0.517	0.461	A	A	0.470	0.419	A	A
BALBOA BLVD	Midwood	Lorillard	3	2	2400	1600	1,544	842	0.643	0.526	B	A	0.585	0.478	A	A
BALBOA BLVD	Lorillard	Halsey	3	2	2400	1600	1,536	823	0.640	0.514	B	A	0.582	0.468	A	A

APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Halsey	Rinaldi	3	2	2400	1600	1,536	823	0.640	0.514	B	A	0.582	0.468	A	A
BALBOA BLVD	Rinaldi	Index	3	2	2400	1600	2,354	1,642	0.981	1.026	E	F	0.892	0.933	D	E
BALBOA BLVD	Index	San Fern. Mission	3	2	2400	1600	2,023	1,268	0.843	0.793	D	C	0.766	0.720	C	C
BALBOA BLVD	San Fern. Mission	Tulsa	3	2	2400	1600	2,399	1,284	1.000	0.803	E	D	0.909	0.730	E	C
BALBOA BLVD	Tulsa	Los Alimos	3	2	2400	1600	2,407	1,257	1.003	0.786	F	C	0.912	0.714	E	C
BALBOA BLVD	Los Alimos	Chatsworth	3	2	2400	1600	2,407	1,257	1.003	0.786	F	C	0.912	0.714	E	C
BALBOA BLVD	Chatsworth	Kingsbury	3	2	2400	1600	2,343	1,260	0.976	0.788	E	C	0.888	0.716	D	C
BALBOA BLVD	Kingsbury	Germain	3	2	2400	1600	2,343	1,260	0.976	0.788	E	C	0.888	0.716	D	C
BALBOA BLVD	Germain	San Jose	3	2	2400	1600	2,343	1,260	0.976	0.788	E	C	0.888	0.716	D	C
BALBOA BLVD	San Jose	Blackhawk	3	2	2400	1600	2,080	979	0.867	0.612	D	B	0.788	0.556	C	A
BALBOA BLVD	Blackhawk	Devonshire	3	2	2400	1600	2,080	979	0.867	0.612	D	B	0.788	0.556	C	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	36	44	0.060	0.073	A	A	0.055	0.067	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	36	44	0.060	0.073	A	A	0.055	0.067	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	36	44	0.060	0.073	A	A	0.055	0.067	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	42	44	0.070	0.073	A	A	0.064	0.067	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	42	44	0.070	0.073	A	A	0.064	0.067	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	42	44	0.070	0.073	A	A	0.064	0.067	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	32	33	0.053	0.055	A	A	0.048	0.050	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	32	33	0.053	0.055	A	A	0.048	0.050	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	204	96	0.340	0.160	A	A	0.309	0.145	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	36	30	0.060	0.050	A	A	0.055	0.045	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	44	48	0.073	0.080	A	A	0.067	0.073	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	44	48	0.073	0.080	A	A	0.067	0.073	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	44	48	0.073	0.080	A	A	0.067	0.073	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	85	65	0.142	0.108	A	A	0.129	0.098	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	3	30	0.005	0.050	A	A	0.005	0.045	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	3	30	0.005	0.050	A	A	0.005	0.045	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	3	30	0.005	0.050	A	A	0.005	0.045	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	289	216	0.206	0.154	A	A	0.188	0.140	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	154	708	0.110	0.506	A	A	0.100	0.460	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,004	457	0.717	0.326	C	A	0.652	0.297	B	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,254	693	0.896	0.495	D	A	0.814	0.450	D	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,129	575	0.806	0.411	D	A	0.733	0.373	C	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,021	592	0.729	0.423	C	A	0.663	0.384	B	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	711	282	0.508	0.201	A	A	0.462	0.183	A	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	773	462	0.552	0.330	A	A	0.502	0.300	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	971	506	0.694	0.361	B	A	0.631	0.329	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	836	265	0.597	0.189	A	A	0.543	0.172	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	836	265	0.597	0.189	A	A	0.543	0.172	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	836	303	0.597	0.216	A	A	0.543	0.197	A	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	82	63	0.137	0.105	A	A	0.124	0.095	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	47	39	0.078	0.065	A	A	0.071	0.059	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	526	468	0.877	0.780	D	C	0.797	0.709	C	C
WOODLEY AVE	Balboa	McLennan	1	1	600	600	44	37	0.073	0.062	A	A	0.067	0.056	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	44	37	0.073	0.062	A	A	0.067	0.056	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	38	42	0.063	0.070	A	A	0.058	0.064	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	38	42	0.063	0.070	A	A	0.058	0.064	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	34	44	0.057	0.073	A	A	0.052	0.067	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	34	44	0.057	0.073	A	A	0.052	0.067	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	50	33	0.083	0.055	A	A	0.076	0.050	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	30	48	0.050	0.080	A	A	0.045	0.073	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	401	320	0.251	0.200	A	A	0.228	0.182	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	369	325	0.231	0.203	A	A	0.210	0.185	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	836	339	0.523	0.212	A	A	0.475	0.193	A	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	479	248	0.299	0.155	A	A	0.272	0.141	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	530	264	0.331	0.165	A	A	0.301	0.150	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	971	351	0.607	0.219	B	A	0.552	0.199	A	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,751	1,059	1.094	0.662	F	B	0.995	0.602	E	B

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Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,417	754	0.886	0.471	D	A	0.805	0.428	D	A
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,356	714	0.848	0.446	D	A	0.770	0.406	C	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,532	663	0.958	0.414	E	A	0.870	0.377	D	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	71	106	0.118	0.177	A	A	0.108	0.161	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	25	38	0.042	0.063	A	A	0.038	0.058	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	25	38	0.042	0.063	A	A	0.038	0.058	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	45	56	0.075	0.093	A	A	0.068	0.085	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	94	68	0.157	0.113	A	A	0.142	0.103	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	3	3	0.005	0.005	A	A	0.005	0.005	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	3	3	0.005	0.005	A	A	0.005	0.005	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	36	27	0.060	0.045	A	A	0.055	0.041	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	627	199	0.448	0.142	A	A	0.407	0.129	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	219	145	0.156	0.104	A	A	0.142	0.094	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	219	145	0.156	0.104	A	A	0.142	0.094	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	245	216	0.175	0.154	A	A	0.159	0.140	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	294	223	0.210	0.159	A	A	0.191	0.145	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	294	223	0.210	0.159	A	A	0.191	0.145	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	294	223	0.210	0.159	A	A	0.191	0.145	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	632	305	0.451	0.218	A	A	0.410	0.198	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	632	305	0.451	0.218	A	A	0.410	0.198	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	419	266	0.299	0.190	A	A	0.272	0.173	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	714	223	0.510	0.159	A	A	0.464	0.145	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	714	223	0.510	0.159	A	A	0.464	0.145	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	683	159	0.488	0.114	A	A	0.444	0.103	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	43	34	0.072	0.057	A	A	0.065	0.052	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,656	785	2.285	0.491	F	A	2.077	0.446	F	A
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	993	3,651	0.621	2.282	B	F	0.564	2.074	A	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	1,187	3,725	0.742	2.328	C	F	0.674	2.116	B	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,718	654	1.074	0.409	F	A	0.976	0.372	E	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,748	670	2.185	0.838	F	D	1.986	0.761	F	C
SESNON BLVD	Cascade Canyon	Marcus	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Marcus	Neon	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Neon	Jollette	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Jollette	Bronte	2	2	1600	1600	27	25	0.017	0.016	A	A	0.015	0.014	A	A
SESNON BLVD	Bronte	Tuscan	2	2	1600	1600	25	33	0.016	0.021	A	A	0.014	0.019	A	A
SESNON BLVD	Tuscan	Meadowlark	2	2	1600	1600	25	33	0.016	0.021	A	A	0.014	0.019	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	36	29	0.045	0.036	A	A	0.041	0.033	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	37	35	0.046	0.044	A	A	0.042	0.040	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	37	35	0.046	0.044	A	A	0.042	0.040	A	A
LISSETTE ST	Jollette	Jimeno	1	1	600	600	53	81	0.088	0.135	A	A	0.080	0.123	A	A
LISSETTE ST	Jimeno	Balboa	1	1	600	600	440	467	0.733	0.778	C	C	0.667	0.708	B	C
WESTBURY DR	Daryl	Henzie	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	48	29	0.080	0.048	A	A	0.073	0.044	A	A
WESTBURY DR	Lithuania	Ei Oro	1	1	600	600	3	37	0.005	0.062	A	A	0.005	0.056	A	A
WESTBURY DR	Ei Oro	Balboa	1	1	600	600	29	31	0.048	0.052	A	A	0.044	0.047	A	A
ROSNICK PL	Ei Oro	McLennan	1	1	600	600	41	33	0.068	0.055	A	A	0.062	0.050	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	177	115	0.295	0.192	A	A	0.268	0.174	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	32	38	0.053	0.063	A	A	0.048	0.058	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	32	38	0.053	0.063	A	A	0.048	0.058	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	43	48	0.072	0.080	A	A	0.065	0.073	A	A
SIGNATURE DR	Louise	Ei Oro	1	1	600	600	21	87	0.035	0.145	A	A	0.032	0.132	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	39	33	0.065	0.055	A	A	0.059	0.050	A	A
MIDWOOD DR	Ei Oro	Balboa	1	1	600	600	21	87	0.035	0.145	A	A	0.032	0.132	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	65	85	0.108	0.142	A	A	0.098	0.129	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	48	42	0.080	0.070	A	A	0.073	0.064	A	A

APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BARNESTON ST	Louise	Paso Robles	1	1	600	600	47	47	0.078	0.078	A	A	0.071	0.071	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	37	43	0.062	0.072	A	A	0.056	0.065	A	A
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	28	34	0.047	0.057	A	A	0.042	0.052	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,427	1,134	0.892	0.709	D	C	0.811	0.644	D	B
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,429	659	0.893	0.412	D	A	0.812	0.374	D	A
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,312	669	0.820	0.418	D	A	0.745	0.380	C	A
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,311	638	0.819	0.399	D	A	0.745	0.363	C	A
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,311	638	0.819	0.399	D	A	0.745	0.363	C	A
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,191	647	0.744	0.404	C	A	0.677	0.368	B	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	774	253	0.484	0.158	A	A	0.440	0.144	A	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	630	171	0.394	0.107	A	A	0.358	0.097	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	630	171	0.394	0.107	A	A	0.358	0.097	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	630	171	0.394	0.107	A	A	0.358	0.097	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,905	1,445	1.191	0.903	F	E	1.082	0.821	F	D
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	2,021	1,623	1.263	1.014	F	F	1.148	0.922	F	E
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,887	1,416	1.179	0.885	F	D	1.072	0.805	F	D
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,952	1,501	1.220	0.938	F	E	1.109	0.853	F	D
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,894	1,538	1.184	0.961	F	E	1.076	0.874	F	D
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	2,199	1,760	1.374	1.100	F	F	1.249	1.000	F	F
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	2,200	1,762	1.375	1.101	F	F	1.250	1.001	F	F
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,825	1,959	1.766	1.224	F	F	1.605	1.113	F	F
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,810	1,983	1.756	1.239	F	F	1.597	1.127	F	F
INDEX ST	Yarmouth	Aldea	1	1	600	600	455	393	0.758	0.655	C	B	0.689	0.595	B	A
INDEX ST	Aldea	Amestoy	1	1	600	600	478	384	0.797	0.640	C	B	0.724	0.582	C	A
INDEX ST	Amestoy	Balboa	1	1	600	600	478	384	0.797	0.640	C	B	0.724	0.582	C	A
INDEX ST	Balboa	McLennan	1	1	600	600	411	160	0.685	0.267	B	A	0.623	0.242	B	A
INDEX ST	McLennan	Ruffner	1	1	600	600	403	136	0.672	0.227	B	A	0.611	0.206	B	A
INDEX ST	Ruffner	Danube	1	1	600	600	347	97	0.578	0.162	A	A	0.526	0.147	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	853	444	0.609	0.317	B	A	0.554	0.288	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	836	428	1.194	0.611	F	B	1.086	0.556	F	A
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	654	458	0.934	0.654	E	B	0.849	0.595	D	A
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	770	584	1.100	0.834	F	D	1.000	0.758	F	C
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	745	581	1.064	0.830	F	D	0.968	0.755	E	C
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	747	587	1.067	0.839	F	D	0.970	0.762	E	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	747	587	1.067	0.839	F	D	0.970	0.762	E	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	949	707	0.678	0.505	B	A	0.616	0.459	B	A
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,104	850	0.789	0.607	C	B	0.717	0.552	C	A
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,104	850	0.789	0.607	C	B	0.717	0.552	C	A
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,422	808	1.016	0.577	F	A	0.923	0.525	E	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,422	808	1.016	0.577	F	A	0.923	0.525	E	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	1,406	791	1.004	0.565	F	A	0.913	0.514	E	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	1,406	791	1.004	0.565	F	A	0.913	0.514	E	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,422	793	1.016	0.566	F	A	0.923	0.515	E	A
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,422	793	1.016	0.566	F	A	0.923	0.515	E	A
SAN FERNANDO MISSION	Gothic	Haskell	2	2	1400	1400	1,419	790	1.014	0.564	F	A	0.921	0.513	E	A
SAN FERNANDO MISSION	Haskell	Danube	2	2	1400	1400	1,078	829	0.770	0.592	C	A	0.700	0.538	C	A
SAN FERNANDO MISSION	Danube	Blucher	2	2	1400	1400	1,078	829	0.770	0.592	C	A	0.700	0.538	C	A
SAN FERNANDO MISSION	Blucher	405 Fwy	2	2	1400	1400	1,078	829	0.770	0.592	C	A	0.700	0.538	C	A
TULSA ST	Lindley	Louise	1	1	600	600	469	351	0.782	0.585	C	A	0.711	0.532	C	A
TULSA ST	Louise	Paso Robles	1	1	600	600	254	127	0.423	0.212	A	A	0.385	0.192	A	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	280	163	0.467	0.272	A	A	0.424	0.247	A	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	292	140	0.487	0.233	A	A	0.442	0.212	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	32	39	0.053	0.065	A	A	0.048	0.059	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	32	39	0.053	0.065	A	A	0.048	0.059	A	A
JONFIN ST	Gothic	end	1	1	600	600	34	35	0.057	0.058	A	A	0.052	0.053	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,911	1,839	1.365	1.314	F	F	1.241	1.194	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,911	1,854	1.365	1.324	F	F	1.241	1.204	F	F
CHATSWORTH ST	Zelzah	Yarmouth	2	2	1400	1400	1,229	967	0.878	0.691	D	B	0.798	0.628	C	B
CHATSWORTH ST	Yarmouth	White Oak	2	2	1400	1400	1,229	967	0.878	0.691	D	B	0.798	0.628	C	B
CHATSWORTH ST	White Oak	Shoshone	2	2	1400	1400	791	380	0.565	0.271	A	A	0.514	0.247	A	A



APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
CHATSWORTH ST	Shoshone	Encino	2	2	1400	1400	791	380	0.565	0.271	A	A	0.514	0.247	A	A
CHATSWORTH ST	Encino	Andasol	2	2	1400	1400	1,028	492	0.734	0.351	C	A	0.668	0.319	B	A
CHATSWORTH ST	Andasol	Louise	2	2	1400	1400	1,028	492	0.734	0.351	C	A	0.668	0.319	B	A
CHATSWORTH ST	Louise	Aldea	2	2	1400	1400	1,143	716	0.816	0.511	D	A	0.742	0.465	C	A
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,204	726	0.860	0.519	D	A	0.782	0.471	C	A
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,154	809	0.824	0.578	D	A	0.749	0.525	C	A
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,201	924	0.858	0.660	D	B	0.780	0.600	C	B
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,201	924	0.858	0.660	D	B	0.780	0.600	C	B
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	1,098	821	0.784	0.586	C	A	0.713	0.533	C	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	1,098	821	0.784	0.586	C	A	0.713	0.533	C	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	1,098	821	0.784	0.586	C	A	0.713	0.533	C	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	1,098	821	0.784	0.586	C	A	0.713	0.533	C	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	1,073	721	0.766	0.515	C	A	0.697	0.468	B	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	1,073	721	0.766	0.515	C	A	0.697	0.468	B	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	1,073	721	0.766	0.515	C	A	0.697	0.468	B	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,439	829	1.028	0.592	F	A	0.934	0.538	E	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,439	829	1.028	0.592	F	A	0.934	0.538	E	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	443	361	0.738	0.602	C	B	0.671	0.547	B	A
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	793	713	1.322	1.188	F	F	1.202	1.080	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	623	679	1.038	1.132	F	F	0.944	1.029	E	F
SAN JOSE ST	Shoshone	Encino	1	1	600	600	623	679	1.038	1.132	F	F	0.944	1.029	E	F
SAN JOSE ST	Encino	Bianca	1	1	600	600	573	530	0.955	0.883	E	D	0.868	0.803	D	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	573	530	0.955	0.883	E	D	0.868	0.803	D	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	603	549	1.005	0.915	F	E	0.914	0.832	E	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	514	387	0.857	0.645	D	B	0.779	0.586	C	A
SAN JOSE ST	Balboa	Danube	1	1	600	600	346	199	0.577	0.332	A	A	0.524	0.302	A	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,666	1,273	0.694	0.796	B	C	0.631	0.723	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,666	1,273	0.694	0.796	B	C	0.631	0.723	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	1,020	483	0.638	0.302	B	A	0.580	0.274	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	771	292	0.482	0.183	A	A	0.438	0.166	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	999	644	0.624	0.403	B	A	0.568	0.366	A	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	999	644	0.624	0.403	B	A	0.568	0.366	A	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	950	445	0.594	0.185	A	A	0.540	0.169	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,239	728	0.774	0.303	C	A	0.704	0.276	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	1,022	487	0.426	0.203	A	A	0.387	0.184	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	817	390	0.340	0.163	A	A	0.309	0.148	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	817	390	0.340	0.163	A	A	0.309	0.148	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,573	1,040	0.983	0.650	E	B	0.894	0.591	D	A
DEVONSHIRE ST	Gothic	Woodley	2	2	1600	1600	1,080	793	0.675	0.496	B	A	0.614	0.451	B	A
DEVONSHIRE ST	Woodley	Montgomery	2	2	1600	1600	1,334	1,069	0.834	0.668	D	B	0.758	0.607	C	B
DEVONSHIRE ST	Montgomery	Densmore	2	2	1600	1600	1,399	1,160	0.874	0.725	D	C	0.795	0.659	C	B
DEVONSHIRE ST	Densmore	Haskell	2	2	1600	1600	1,399	1,160	0.874	0.725	D	C	0.795	0.659	C	B
DEVONSHIRE ST	Haskell	Aqueduct	2	2	1600	1600	1,975	1,398	1.234	0.874	F	D	1.122	0.794	F	C
DEVONSHIRE ST	Aqueduct	Blucher	2	2	1600	1600	1,975	1,398	1.234	0.874	F	D	1.122	0.794	F	C
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,975	1,389	0.823	0.579	D	A	0.748	0.526	C	A
MAYALL ST	Balboa	end	1	1	600	600	403	370	0.672	0.617	B	B	0.611	0.561	B	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	34	45	0.057	0.075	A	A	0.052	0.068	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	255	54	0.425	0.090	A	A	0.386	0.082	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,501	1,096	1.072	0.783	F	C	0.975	0.712	E	C
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,501	1,096	1.072	0.783	F	C	0.975	0.712	E	C
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,501	1,096	1.072	0.783	F	C	0.975	0.712	E	C
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,501	1,096	1.072	0.783	F	C	0.975	0.712	E	C
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,481	1,264	1.058	0.903	F	E	0.962	0.821	E	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,481	1,264	1.058	0.903	F	E	0.962	0.821	E	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,234	1,119	0.881	0.799	D	C	0.801	0.727	D	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,416	1,330	1.011	0.950	F	E	0.919	0.864	E	D
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,416	1,330	1.011	0.950	F	E	0.919	0.864	E	D
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,416	1,330	1.011	0.950	F	E	0.919	0.864	E	D
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,363	1,172	0.974	0.837	E	D	0.885	0.761	D	C
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,363	1,172	0.974	0.837	E	D	0.885	0.761	D	C

APPENDIX A-6 TRANSPORTATION ALTERNATIVE TWO

Segment	From	To	Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W

Total Links	360	360	720		Weighted V/C
Links at E or F (with ATSAC)	59	21	80	11%	0.767

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	15	73	0.025	0.122	A	A	0.023	0.111	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	15	73	0.025	0.122	A	A	0.023	0.111	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	15	73	0.025	0.122	A	A	0.023	0.111	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	45	30	0.075	0.050	A	A	0.068	0.045	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	42	48	0.070	0.080	A	A	0.064	0.073	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	42	48	0.070	0.080	A	A	0.064	0.073	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	30	41	0.050	0.068	A	A	0.045	0.062	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	50	27	0.083	0.045	A	A	0.076	0.041	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	50	27	0.083	0.045	A	A	0.076	0.041	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	50	27	0.083	0.045	A	A	0.076	0.041	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	616	207	1.027	0.345	F	A	0.933	0.314	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	118	693	0.197	1.155	A	F	0.179	1.050	A	F
ZELZAH AVE	Simonds	Index	1	1	600	600	703	557	1.172	0.928	F	E	1.065	0.844	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	703	557	1.172	0.928	F	E	1.065	0.844	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	703	557	1.172	0.928	F	E	1.065	0.844	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	703	557	1.172	0.928	F	E	1.065	0.844	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	823	683	1.372	1.138	F	F	1.247	1.035	F	F
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	823	683	1.372	1.138	F	F	1.247	1.035	F	F
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	831	691	1.385	1.152	F	F	1.259	1.047	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	842	703	1.403	1.172	F	F	1.276	1.065	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	842	703	1.403	1.172	F	F	1.276	1.065	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	869	608	0.621	0.434	B	A	0.564	0.395	A	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	869	608	0.621	0.434	B	A	0.564	0.395	A	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,141	841	0.815	0.601	D	B	0.741	0.546	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,141	841	0.815	0.601	D	B	0.741	0.546	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	173	46	0.144	0.038	A	A	0.131	0.035	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	745	682	1.242	1.137	F	F	1.129	1.033	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	741	741	1.235	1.235	F	F	1.123	1.123	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	428	363	0.713	0.605	C	B	0.648	0.550	B	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	428	363	0.713	0.605	C	B	0.648	0.550	B	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	206	110	0.172	0.092	A	A	0.156	0.083	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	48	32	0.080	0.053	A	A	0.073	0.048	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	48	32	0.080	0.053	A	A	0.073	0.048	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	16	10	0.027	0.017	A	A	0.024	0.015	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	16	10	0.027	0.017	A	A	0.024	0.015	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	24	12	0.040	0.020	A	A	0.036	0.018	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	117	36	0.195	0.060	A	A	0.177	0.055	A	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	178	26	0.297	0.043	A	A	0.270	0.039	A	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	178	26	0.297	0.043	A	A	0.270	0.039	A	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	287	81	0.478	0.135	A	A	0.435	0.123	A	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	253	53	0.422	0.088	A	A	0.383	0.080	A	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	652	292	1.087	0.487	F	A	0.988	0.442	E	A
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	611	277	1.018	0.462	F	A	0.926	0.420	E	A
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	611	277	1.018	0.462	F	A	0.926	0.420	E	A
TROSA ST	Jollette	Neon Way	1	1	600	600	44	33	0.073	0.055	A	A	0.067	0.050	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	96	32	0.110	0.053	A	A	0.100	0.048	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	97	15	0.162	0.025	A	A	0.147	0.023	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	97	15	0.162	0.025	A	A	0.147	0.023	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	97	15	0.162	0.025	A	A	0.147	0.023	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	71	60	0.118	0.100	A	A	0.108	0.091	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	232	115	0.387	0.192	A	A	0.352	0.174	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	232	115	0.387	0.192	A	A	0.352	0.174	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	218	115	0.363	0.192	A	A	0.330	0.174	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	40	30	0.067	0.050	A	A	0.061	0.045	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	43	83	0.072	0.138	A	A	0.065	0.126	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	43	83	0.072	0.138	A	A	0.065	0.126	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	43	83	0.072	0.138	A	A	0.065	0.126	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	49	27	0.082	0.045	A	A	0.074	0.041	A	A



APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Bambi	Jeanette	1	1	600	600	49	27	0.082	0.045	A	A	0.074	0.041	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	49	27	0.082	0.045	A	A	0.074	0.041	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	49	27	0.082	0.045	A	A	0.074	0.041	A	A
BRADFORD PL	Mindora	Signature	1	1	600	600	49	27	0.082	0.045	A	A	0.074	0.041	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	14	36	0.023	0.060	A	A	0.021	0.055	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	14	36	0.023	0.060	A	A	0.021	0.055	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	14	40	0.023	0.067	A	A	0.021	0.061	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	64	20	0.107	0.033	A	A	0.097	0.030	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	64	20	0.107	0.033	A	A	0.097	0.030	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	64	20	0.107	0.033	A	A	0.097	0.030	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	64	20	0.107	0.033	A	A	0.097	0.030	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	45	47	0.075	0.078	A	A	0.068	0.071	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	45	47	0.075	0.078	A	A	0.068	0.071	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	45	47	0.075	0.078	A	A	0.068	0.071	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	45	47	0.075	0.078	A	A	0.068	0.071	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	488	304	0.813	0.507	D	A	0.739	0.461	C	A
ENCINO AVE	Kalisher	Index	1	1	600	600	488	304	0.813	0.507	D	A	0.739	0.461	C	A
ENCINO AVE	Index	Donmetz	1	1	600	600	57	49	0.095	0.082	A	A	0.086	0.074	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	17	29	0.028	0.048	A	A	0.026	0.044	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	17	29	0.028	0.048	A	A	0.026	0.044	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	20	16	0.033	0.027	A	A	0.030	0.024	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	20	16	0.033	0.027	A	A	0.030	0.024	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	20	16	0.033	0.027	A	A	0.030	0.024	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	31	42	0.052	0.070	A	A	0.047	0.064	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	31	42	0.052	0.070	A	A	0.047	0.064	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	76	43	0.127	0.072	A	A	0.115	0.065	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	328	173	0.547	0.288	A	A	0.497	0.262	A	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	23	14	0.038	0.023	A	A	0.035	0.021	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	472	383	0.787	0.638	C	B	0.715	0.580	C	A
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	472	383	0.787	0.638	C	B	0.715	0.580	C	A
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	472	383	0.787	0.638	C	B	0.715	0.580	C	A
LOUISE AVE	Nugent	Andasol	1	1	600	600	35	28	0.058	0.047	A	A	0.053	0.042	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	31	24	0.052	0.040	A	A	0.047	0.036	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	180	56	0.300	0.093	A	A	0.273	0.085	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	30	3	0.050	0.005	A	A	0.045	0.005	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	231	55	0.385	0.092	A	A	0.350	0.083	A	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	231	55	0.385	0.092	A	A	0.350	0.083	A	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	231	55	0.385	0.092	A	A	0.350	0.083	A	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	159	39	0.114	0.056	A	A	0.103	0.051	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	400	107	0.286	0.153	A	A	0.260	0.139	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	479	179	0.342	0.256	A	A	0.311	0.232	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	530	186	0.757	0.266	C	A	0.688	0.242	B	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	457	165	0.653	0.236	B	A	0.594	0.214	A	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	440	246	0.314	0.176	A	A	0.286	0.160	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	440	246	0.314	0.176	A	A	0.286	0.160	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	440	246	0.314	0.176	A	A	0.286	0.160	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	279	46	0.199	0.033	A	A	0.181	0.030	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	279	46	0.199	0.033	A	A	0.181	0.030	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	400	107	0.286	0.153	A	A	0.260	0.139	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	479	179	0.342	0.256	A	A	0.311	0.232	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	530	186	0.757	0.266	C	A	0.688	0.242	B	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	2,107	2,238	1.505	1.599	F	F	1.368	1.453	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	2,392	664	0.997	0.415	E	A	0.906	0.377	E	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,616	2,019	2.260	1.262	F	F	2.055	1.147	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,616	2,019	2.260	1.262	F	F	2.055	1.147	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	3,431	1,998	2.144	1.249	F	F	1.949	1.135	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	3,431	1,998	2.144	1.249	F	F	1.949	1.135	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	3,337	1,834	2.086	1.146	F	F	1.896	1.042	F	F

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Woodley	Colven	3	2	2400	1600	3,708	2,082	1.545	1.301	F	F	1.405	1.183	F	F
BALBOA BLVD	Colven	Pineridge	3	2	2400	1600	3,667	2,010	1.528	1.256	F	F	1.389	1.142	F	F
BALBOA BLVD	Pineridge	Knollwood	3	2	2400	1600	3,878	2,105	1.616	1.316	F	F	1.469	1.196	F	F
BALBOA BLVD	Knollwood	Midwood	3	2	2400	1600	3,980	2,186	1.658	1.366	F	F	1.508	1.242	F	F
BALBOA BLVD	Midwood	Lorillard	3	2	2400	1600	4,094	2,259	1.706	1.412	F	F	1.551	1.284	F	F
BALBOA BLVD	Lorillard	Halsey	3	2	2400	1600	4,081	2,236	1.700	1.398	F	F	1.546	1.270	F	F
BALBOA BLVD	Halsey	Rinaldi	3	2	2400	1600	4,126	2,236	1.719	1.398	F	F	1.563	1.270	F	F
BALBOA BLVD	Rinaldi	Index	3	2	2400	1600	4,070	2,706	1.696	1.691	F	F	1.542	1.538	F	F
BALBOA BLVD	Index	San Fern. Mission	3	2	2400	1600	2,960	1,451	1.233	0.907	F	E	1.121	0.824	F	D
BALBOA BLVD	San Fern. Mission	Tulsa	3	2	2400	1600	3,062	1,409	1.276	0.881	F	D	1.160	0.801	F	D
BALBOA BLVD	Tulsa	Los Alimos	3	2	2400	1600	3,033	1,337	1.264	0.836	F	D	1.149	0.760	F	C
BALBOA BLVD	Los Alimos	Chatsworth	3	2	2400	1600	3,033	1,337	1.264	0.836	F	D	1.149	0.760	F	C
BALBOA BLVD	Chatsworth	Kingsbury	3	2	2400	1600	2,516	1,335	1.048	0.834	F	D	0.953	0.759	E	C
BALBOA BLVD	Kingsbury	Germain	3	2	2400	1600	2,516	1,335	1.048	0.834	F	D	0.953	0.759	E	C
BALBOA BLVD	Germain	San Jose	3	2	2400	1600	2,516	1,335	1.048	0.834	F	D	0.953	0.759	E	C
BALBOA BLVD	San Jose	Blackhawk	3	2	2400	1600	2,380	1,090	0.992	0.681	E	B	0.902	0.619	E	B
BALBOA BLVD	Blackhawk	Devonshire	3	2	2400	1600	2,380	1,090	0.992	0.681	E	B	0.902	0.619	E	B
PETIT AVE	Tulsa	Tribune	1	1	600	600	33	34	0.055	0.057	A	A	0.050	0.052	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	33	34	0.055	0.057	A	A	0.050	0.052	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	33	34	0.055	0.057	A	A	0.050	0.052	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	6	47	0.010	0.078	A	A	0.009	0.071	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	6	47	0.010	0.078	A	A	0.009	0.071	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	6	47	0.010	0.078	A	A	0.009	0.071	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	36	30	0.060	0.050	A	A	0.055	0.045	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	36	30	0.060	0.050	A	A	0.055	0.045	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	206	95	0.343	0.158	A	A	0.312	0.144	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	44	39	0.073	0.065	A	A	0.067	0.059	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	49	33	0.082	0.055	A	A	0.074	0.050	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	49	33	0.082	0.055	A	A	0.074	0.050	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	49	33	0.082	0.055	A	A	0.074	0.050	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	102	80	0.170	0.133	A	A	0.155	0.121	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	3	28	0.005	0.047	A	A	0.005	0.042	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	3	28	0.005	0.047	A	A	0.005	0.042	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	3	28	0.005	0.047	A	A	0.005	0.042	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	349	199	0.249	0.142	A	A	0.227	0.129	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	180	686	0.129	0.490	A	A	0.117	0.445	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,111	392	0.794	0.280	C	A	0.721	0.255	C	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,510	884	1.079	0.631	F	B	0.981	0.574	E	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,383	764	0.988	0.546	E	A	0.898	0.496	D	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,372	764	0.980	0.546	E	A	0.891	0.496	D	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	968	250	0.691	0.179	B	A	0.629	0.162	B	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	872	344	0.623	0.246	B	A	0.566	0.223	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,058	376	0.756	0.269	C	A	0.687	0.244	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	921	227	0.658	0.162	B	A	0.598	0.147	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	921	227	0.658	0.162	B	A	0.598	0.147	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	950	290	0.679	0.207	B	A	0.617	0.188	B	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	112	53	0.187	0.088	A	A	0.170	0.080	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	46	13	0.077	0.022	A	A	0.070	0.020	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	46	13	0.077	0.022	A	A	0.070	0.020	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	33	38	0.055	0.063	A	A	0.050	0.058	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	696	626	1.160	1.043	F	F	1.055	0.948	F	E
WOODLEY AVE	Balboa	McLennan	1	1	600	600	17	37	0.028	0.062	A	A	0.026	0.056	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	17	37	0.028	0.062	A	A	0.026	0.056	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	17	48	0.028	0.080	A	A	0.026	0.073	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	17	48	0.028	0.080	A	A	0.026	0.073	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	17	44	0.028	0.073	A	A	0.026	0.067	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	17	44	0.028	0.073	A	A	0.026	0.067	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	15	32	0.025	0.053	A	A	0.023	0.048	A	A

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/A	S/W	N/E	S/W	N/A	S/W
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	23	13	0.038	0.022	A	A	0.035	0.020	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	727	661	0.454	0.413	A	A	0.413	0.376	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	725	683	0.453	0.427	A	A	0.412	0.388	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	950	684	0.594	0.428	A	A	0.540	0.389	A	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	633	393	0.396	0.246	A	A	0.360	0.223	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	682	413	0.426	0.258	A	A	0.388	0.235	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,154	521	0.721	0.326	C	A	0.656	0.296	B	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,655	1,169	1.034	0.731	F	C	0.940	0.664	E	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,457	791	0.911	0.494	E	A	0.828	0.449	D	A
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,390	740	0.869	0.463	D	A	0.790	0.420	C	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,412	683	0.883	0.427	D	A	0.802	0.388	D	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	71	112	0.118	0.187	A	A	0.108	0.170	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	25	37	0.042	0.062	A	A	0.038	0.056	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	25	37	0.042	0.062	A	A	0.038	0.056	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	46	59	0.077	0.098	A	A	0.070	0.089	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	91	67	0.152	0.112	A	A	0.138	0.102	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	4	3	0.007	0.005	A	A	0.006	0.005	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	4	3	0.007	0.005	A	A	0.006	0.005	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	25	31	0.042	0.052	A	A	0.038	0.047	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	26	43	0.043	0.072	A	A	0.039	0.065	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	26	43	0.043	0.072	A	A	0.039	0.065	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	445	233	0.318	0.166	A	A	0.289	0.151	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	314	241	0.224	0.172	A	A	0.204	0.156	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	314	241	0.224	0.172	A	A	0.204	0.156	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	315	287	0.225	0.205	A	A	0.205	0.186	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	367	295	0.262	0.211	A	A	0.238	0.192	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	367	295	0.262	0.211	A	A	0.238	0.192	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	367	295	0.262	0.211	A	A	0.238	0.192	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	744	323	0.531	0.231	A	A	0.483	0.210	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	744	323	0.531	0.231	A	A	0.483	0.210	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	442	311	0.316	0.222	A	A	0.287	0.202	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	587	249	0.419	0.178	A	A	0.381	0.162	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	587	249	0.419	0.178	A	A	0.381	0.162	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	559	187	0.399	0.134	A	A	0.363	0.121	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	26	43	0.043	0.072	A	A	0.039	0.065	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	26	43	0.043	0.072	A	A	0.039	0.065	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	26	43	0.043	0.072	A	A	0.039	0.065	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,590	1,426	2.244	0.891	F	D	2.040	0.810	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,134	3,585	1.334	2.241	F	F	1.213	2.037	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	803	2,384	0.502	1.490	A	F	0.456	1.355	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,445	454	0.903	0.284	E	A	0.821	0.258	D	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,489	467	1.861	0.584	F	A	1.692	0.531	F	A
SESNON BLVD	Cascade Canyon	Marcus	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Marcus	Neon	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Neon	Jollette	2	2	1600	1600	53	89	0.033	0.056	A	A	0.030	0.051	A	A
SESNON BLVD	Jollette	Bronte	2	2	1600	1600	21	22	0.013	0.014	A	A	0.012	0.013	A	A
SESNON BLVD	Bronte	Tuscan	2	2	1600	1600	21	22	0.013	0.014	A	A	0.012	0.013	A	A
SESNON BLVD	Tuscan	Meadowlark	2	2	1600	1600	21	22	0.013	0.014	A	A	0.012	0.013	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	138	22	0.173	0.028	A	A	0.157	0.025	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	185	21	0.231	0.026	A	A	0.210	0.024	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	185	21	0.231	0.026	A	A	0.210	0.024	A	A
LISSETTE ST	Jollette	Jimeno	1	1	600	600	93	37	0.155	0.062	A	A	0.141	0.056	A	A
LISSETTE ST	Jimeno	Balboa	1	1	600	600	248	390	0.413	0.650	A	B	0.376	0.591	A	A
WESTBURY DR	Daryl	Henzie	1	1	600	600	33	33	0.055	0.055	A	A	0.050	0.050	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	33	33	0.055	0.055	A	A	0.050	0.050	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	68	26	0.113	0.043	A	A	0.103	0.039	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	68	26	0.113	0.043	A	A	0.103	0.039	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	41	71	0.068	0.118	A	A	0.062	0.108	A	A

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
ROSINICK PL	El Oro	McLennan	1	1	600	600	14	46	0.023	0.077	A	A	0.021	0.070	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	58	45	0.097	0.075	A	A	0.088	0.068	A	A
PINERIDGE DR	Kenny	Catena	1	1	600	600	33	45	0.055	0.075	A	A	0.050	0.068	A	A
PINERIDGE DR	Catena	Knollwood	1	1	600	600	33	45	0.055	0.075	A	A	0.050	0.068	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	29	48	0.048	0.080	A	A	0.044	0.073	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	20	50	0.033	0.083	A	A	0.030	0.076	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	48	35	0.080	0.058	A	A	0.073	0.053	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	41	19	0.068	0.032	A	A	0.062	0.029	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	56	102	0.093	0.170	A	A	0.085	0.155	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	35	33	0.058	0.055	A	A	0.053	0.050	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	20	47	0.033	0.078	A	A	0.030	0.071	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	25	35	0.042	0.058	A	A	0.038	0.053	A	A
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	41	33	0.068	0.055	A	A	0.062	0.050	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,954	1,447	1.221	0.904	F	E	1.110	0.822	F	D
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	2,013	1,095	1.258	0.684	F	B	1.144	0.622	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,892	1,104	1.183	0.690	F	B	1.075	0.627	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,909	1,050	1.193	0.656	F	B	1.085	0.597	F	A
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,909	1,050	1.193	0.656	F	B	1.085	0.597	F	A
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,542	1,017	0.964	0.636	E	B	0.876	0.578	D	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,238	529	0.774	0.331	C	A	0.703	0.301	C	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	1,182	529	0.739	0.331	C	A	0.672	0.301	B	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	1,182	529	0.739	0.331	C	A	0.672	0.301	B	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	1,182	589	0.739	0.368	C	A	0.672	0.335	B	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,465	1,395	0.916	0.872	E	D	0.832	0.793	D	C
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	1,582	1,311	0.989	0.819	E	D	0.899	0.745	D	C
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,522	1,102	0.951	0.689	E	B	0.865	0.626	D	B
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,547	1,153	0.967	0.721	E	C	0.879	0.655	D	B
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,477	1,168	0.923	0.730	E	C	0.839	0.664	D	B
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	2,061	1,698	1.288	1.061	F	F	1.171	0.965	F	E
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	2,064	1,708	1.290	1.068	F	F	1.173	0.970	F	E
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,510	1,941	1.569	1.213	F	F	1.426	1.103	F	F
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	1,372	1,258	0.858	0.786	D	C	0.780	0.715	C	C
INDEX ST	Yarmouth	Aldea	1	1	600	600	398	519	0.663	0.865	B	D	0.603	0.786	B	C
INDEX ST	Aldea	Amestoy	1	1	600	600	393	368	0.655	0.613	B	B	0.595	0.558	A	A
INDEX ST	Amestoy	Balboa	1	1	600	600	393	368	0.655	0.613	B	B	0.595	0.558	A	A
INDEX ST	Balboa	McLennan	1	1	600	600	376	173	0.627	0.288	B	A	0.570	0.262	A	A
INDEX ST	McLennan	Ruffner	1	1	600	600	344	115	0.573	0.192	A	A	0.521	0.174	A	A
INDEX ST	Ruffner	Danube	1	1	600	600	364	315	0.607	0.525	B	A	0.552	0.477	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	845	499	0.604	0.356	B	A	0.549	0.324	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	772	483	1.103	0.690	F	B	1.003	0.627	F	B
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	782	500	1.117	0.714	F	C	1.016	0.649	F	B
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	788	632	1.126	0.903	F	E	1.023	0.821	F	D
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	750	612	1.071	0.874	F	D	0.974	0.795	E	C
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	762	609	1.089	0.870	F	D	0.990	0.791	E	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	762	609	1.089	0.870	F	D	0.990	0.791	E	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	989	791	0.706	0.565	C	A	0.642	0.514	B	A
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,155	904	0.825	0.646	D	B	0.750	0.587	C	A
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,155	904	0.825	0.646	D	B	0.750	0.587	C	A
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,080	685	0.771	0.489	C	A	0.701	0.445	C	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,080	685	0.771	0.489	C	A	0.701	0.445	C	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	974	676	0.696	0.483	B	A	0.632	0.439	B	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	974	676	0.696	0.483	B	A	0.632	0.439	B	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,195	991	0.854	0.708	D	C	0.776	0.644	C	B
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,195	991	0.854	0.708	D	C	0.776	0.644	C	B
SAN FERNANDO MISSION	Gothic	Haskell	2	2	1400	1400	1,166	993	0.833	0.709	D	C	0.757	0.645	C	B
SAN FERNANDO MISSION	Haskell	Danube	2	2	1400	1400	903	882	0.645	0.630	B	B	0.586	0.573	A	A
SAN FERNANDO MISSION	Danube	Blucher	2	2	1400	1400	903	882	0.645	0.630	B	B	0.586	0.573	A	A
SAN FERNANDO MISSION	Blucher	405 Fwy	2	2	1400	1400	903	882	0.645	0.630	B	B	0.586	0.573	A	A

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
TULSA ST	Lindley	Louise	1	1	600	600	516	390	0.860	0.650	D	B	0.782	0.591	C	A
TULSA ST	Louise	Paso Robles	1	1	600	600	248	224	0.413	0.373	A	A	0.376	0.339	A	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	269	261	0.448	0.435	A	A	0.408	0.395	A	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	192	139	0.320	0.232	A	A	0.291	0.211	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	42	47	0.070	0.078	A	A	0.064	0.071	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	42	47	0.070	0.078	A	A	0.064	0.071	A	A
JONFIN ST	Gothic	end	1	1	600	600	36	43	0.060	0.072	A	A	0.055	0.065	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	2,420	1,903	1.729	1.359	F	F	1.571	1.236	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	2,430	1,916	1.736	1.369	F	F	1.578	1.244	F	F
CHATSWORTH ST	Zelzah	Yarmouth	2	2	1400	1400	1,737	1,100	1.241	0.786	F	C	1.128	0.714	F	C
CHATSWORTH ST	Yarmouth	White Oak	2	2	1400	1400	1,737	1,100	1.241	0.786	F	C	1.128	0.714	F	C
CHATSWORTH ST	White Oak	Shoshone	2	2	1400	1400	1,246	545	0.890	0.389	D	A	0.809	0.354	D	A
CHATSWORTH ST	Shoshone	Encino	2	2	1400	1400	1,246	545	0.890	0.389	D	A	0.809	0.354	D	A
CHATSWORTH ST	Encino	Andasol	2	2	1400	1400	1,494	672	1.067	0.480	F	A	0.970	0.436	E	A
CHATSWORTH ST	Andasol	Louise	2	2	1400	1400	1,494	672	1.067	0.480	F	A	0.970	0.436	E	A
CHATSWORTH ST	Louise	Aldea	2	2	1400	1400	1,680	955	1.200	0.682	F	B	1.091	0.620	F	B
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,744	977	1.246	0.698	F	B	1.132	0.634	F	B
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,696	1,055	1.211	0.754	F	C	1.101	0.685	F	B
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,151	1,025	0.822	0.732	D	C	0.747	0.666	C	B
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,151	1,020	0.822	0.729	D	C	0.747	0.662	C	B
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	960	719	0.686	0.514	B	A	0.623	0.467	B	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	960	719	0.686	0.514	B	A	0.623	0.467	B	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	959	719	0.685	0.514	B	A	0.623	0.467	B	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	959	719	0.685	0.514	B	A	0.623	0.467	B	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	790	695	0.564	0.496	A	A	0.513	0.451	A	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	790	695	0.564	0.496	A	A	0.513	0.451	A	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	790	695	0.564	0.496	A	A	0.513	0.451	A	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,227	781	0.876	0.558	D	A	0.797	0.507	C	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,227	781	0.876	0.558	D	A	0.797	0.507	C	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	426	386	0.710	0.643	C	B	0.645	0.585	B	A
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	788	718	1.313	1.197	F	F	1.194	1.088	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	601	665	1.002	1.108	F	F	0.911	1.008	E	F
SAN JOSE ST	Shoshone	Encino	1	1	600	600	601	665	1.002	1.108	F	F	0.911	1.008	E	F
SAN JOSE ST	Encino	Bianca	1	1	600	600	591	575	0.985	0.958	E	E	0.895	0.871	D	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	591	575	0.985	0.958	E	E	0.895	0.871	D	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	591	575	0.985	0.958	E	E	0.895	0.871	D	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	465	354	0.775	0.590	C	A	0.705	0.536	C	A
SAN JOSE ST	Balboa	Danube	1	1	600	600	411	197	0.685	0.328	B	A	0.623	0.298	B	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,559	1,310	0.650	0.819	B	D	0.591	0.744	A	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,559	1,310	0.650	0.819	B	D	0.591	0.744	A	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	1,003	597	0.627	0.373	B	A	0.570	0.339	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	756	234	0.473	0.146	A	A	0.430	0.133	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	945	539	0.591	0.337	A	A	0.537	0.306	A	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	945	539	0.591	0.337	A	A	0.537	0.306	A	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	860	395	0.538	0.165	A	A	0.489	0.150	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,149	648	0.718	0.270	C	A	0.653	0.245	B	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	824	447	0.343	0.186	A	A	0.312	0.169	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	617	352	0.257	0.147	A	A	0.234	0.133	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	617	352	0.257	0.147	A	A	0.234	0.133	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,307	1,031	0.817	0.644	D	B	0.743	0.586	C	A
DEVONSHIRE ST	Gothic	Woodley	2	2	1600	1600	1,016	654	0.635	0.409	B	A	0.577	0.372	A	A
DEVONSHIRE ST	Woodley	Montgomery	2	2	1600	1600	1,200	855	0.750	0.534	C	A	0.682	0.486	B	A
DEVONSHIRE ST	Montgomery	Densmore	2	2	1600	1600	1,264	942	0.790	0.589	C	A	0.718	0.535	C	A
DEVONSHIRE ST	Densmore	Haskell	2	2	1600	1600	1,264	942	0.790	0.589	C	A	0.718	0.535	C	A
DEVONSHIRE ST	Haskell	Aqueduct	2	2	1600	1600	1,606	1,120	1.004	0.700	F	C	0.913	0.636	E	B
DEVONSHIRE ST	Aqueduct	Blucher	2	2	1600	1600	1,606	1,120	1.004	0.700	F	C	0.913	0.636	E	B
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,606	1,110	0.669	0.463	B	A	0.608	0.420	B	A
MAYALL ST	Balboa	end	1	1	600	600	420	390	0.700	0.650	C	B	0.636	0.591	B	A

APPENDIX A-7 TRANSPORTATION ALTERNATIVE THREE

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
MAYALL ST	Ruffner	Odessa	1	1	600	600	45	37	0.075	0.062	A	A	0.068	0.056	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	127	154	0.212	0.257	A	A	0.192	0.233	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,547	1,118	1.105	0.799	F	C	1.005	0.726	F	C
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,547	1,118	1.105	0.799	F	C	1.005	0.726	F	C
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,547	1,118	1.105	0.799	F	C	1.005	0.726	F	C
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,547	1,118	1.105	0.799	F	C	1.005	0.726	F	C
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,536	1,313	1.097	0.938	F	E	0.997	0.853	E	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,536	1,313	1.097	0.938	F	E	0.997	0.853	E	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,156	1,230	0.826	0.879	D	D	0.751	0.799	C	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,383	1,380	0.988	0.986	E	E	0.898	0.896	D	D
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,383	1,380	0.988	0.986	E	E	0.898	0.896	D	D
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,383	1,380	0.988	0.986	E	E	0.898	0.896	D	D
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,320	1,246	0.943	0.890	E	D	0.857	0.809	D	D
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,320	1,246	0.943	0.890	E	D	0.857	0.809	D	D

Total Links	362	362	724		Weighted V/C
Links at E or F (with ATSAC)	79	33	112	15%	0.903



APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	17	57	0.028	0.095	A	A	0.026	0.086	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	17	57	0.028	0.095	A	A	0.026	0.086	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	17	57	0.028	0.095	A	A	0.026	0.086	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	70	16	0.117	0.027	A	A	0.106	0.024	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	70	16	0.117	0.027	A	A	0.106	0.024	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	70	16	0.117	0.027	A	A	0.106	0.024	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	30	35	0.050	0.058	A	A	0.045	0.053	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	49	48	0.082	0.080	A	A	0.074	0.073	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	49	48	0.082	0.080	A	A	0.074	0.073	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	49	48	0.082	0.080	A	A	0.074	0.073	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	650	78	1.083	0.130	F	A	0.985	0.118	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	120	587	0.200	0.978	A	E	0.182	0.889	A	D
ZELZAH AVE	Simonds	Index	1	1	600	600	644	567	1.073	0.945	F	E	0.976	0.859	E	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	644	567	1.073	0.945	F	E	0.976	0.859	E	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	644	567	1.073	0.945	F	E	0.976	0.859	E	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	644	567	1.073	0.945	F	E	0.976	0.859	E	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	820	692	1.367	1.153	F	F	1.242	1.048	F	F
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	820	692	1.367	1.153	F	F	1.242	1.048	F	F
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	823	692	1.372	1.153	F	F	1.247	1.048	F	F
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	921	711	1.535	1.185	F	F	1.395	1.077	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	921	711	1.535	1.185	F	F	1.395	1.077	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	1,061	634	0.758	0.453	C	A	0.689	0.412	B	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	1,061	634	0.758	0.453	C	A	0.689	0.412	B	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,360	880	0.971	0.629	E	B	0.883	0.571	D	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,360	880	0.971	0.629	E	B	0.883	0.571	D	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	272	37	0.227	0.031	A	A	0.206	0.028	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	1,098	618	1.830	1.030	F	F	1.664	0.936	F	E
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	1,010	674	1.683	1.123	F	F	1.530	1.021	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	507	389	0.845	0.648	D	B	0.768	0.589	C	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	507	389	0.845	0.648	D	B	0.768	0.589	C	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	245	119	0.204	0.099	A	A	0.186	0.090	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	42	26	0.070	0.043	A	A	0.064	0.039	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	42	26	0.070	0.043	A	A	0.064	0.039	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	18	12	0.030	0.020	A	A	0.027	0.018	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	18	12	0.030	0.020	A	A	0.027	0.018	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	36	12	0.060	0.020	A	A	0.055	0.018	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	260	49	0.433	0.082	A	A	0.394	0.074	A	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	505	40	0.842	0.067	D	A	0.765	0.061	C	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	505	40	0.842	0.067	D	A	0.765	0.061	C	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	606	99	1.010	0.165	F	A	0.918	0.150	E	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	551	71	0.918	0.118	E	A	0.835	0.108	D	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	896	318	1.493	0.530	F	A	1.358	0.482	F	A
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	874	303	1.457	0.505	F	A	1.324	0.459	F	A
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	874	303	1.457	0.505	F	A	1.324	0.459	F	A
TROSA ST	Jollette	Neon Way	1	1	600	600	32	28	0.053	0.047	A	A	0.048	0.042	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	51	51	0.085	0.085	A	A	0.077	0.077	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	328	40	0.547	0.067	A	A	0.497	0.061	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	328	40	0.547	0.067	A	A	0.497	0.061	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	328	40	0.547	0.067	A	A	0.497	0.061	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	123	66	0.205	0.110	A	A	0.186	0.100	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	142	120	0.237	0.200	A	A	0.215	0.182	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	142	120	0.237	0.200	A	A	0.215	0.182	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	69	121	0.115	0.202	A	A	0.105	0.183	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	26	35	0.043	0.058	A	A	0.039	0.053	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	49	67	0.082	0.112	A	A	0.074	0.102	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	49	67	0.082	0.112	A	A	0.074	0.102	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	49	67	0.082	0.112	A	A	0.074	0.102	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	215	33	0.358	0.055	A	A	0.326	0.050	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	215	33	0.358	0.055	A	A	0.326	0.050	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	215	33	0.358	0.055	A	A	0.326	0.050	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	215	33	0.358	0.055	A	A	0.326	0.050	A	A



APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Mindora	Signature	1	1	600	600	215	33	0.358	0.055	A	A	0.326	0.050	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	72	50	0.120	0.083	A	A	0.109	0.076	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	72	50	0.120	0.083	A	A	0.109	0.076	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	72	32	0.120	0.053	A	A	0.109	0.048	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	265	13	0.442	0.022	A	A	0.402	0.020	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	265	13	0.442	0.022	A	A	0.402	0.020	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	265	13	0.442	0.022	A	A	0.402	0.020	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	265	13	0.442	0.022	A	A	0.402	0.020	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	203	37	0.338	0.062	A	A	0.308	0.056	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	203	37	0.338	0.062	A	A	0.308	0.056	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	203	37	0.338	0.062	A	A	0.308	0.056	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	203	37	0.338	0.062	A	A	0.308	0.056	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	455	214	0.758	0.357	C	A	0.689	0.324	B	A
ENCINO AVE	Kalisher	Index	1	1	600	600	455	214	0.758	0.357	C	A	0.689	0.324	B	A
ENCINO AVE	Index	Donmetz	1	1	600	600	60	41	0.100	0.068	A	A	0.091	0.062	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	12	16	0.020	0.027	A	A	0.018	0.024	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	12	16	0.020	0.027	A	A	0.018	0.024	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	15	14	0.025	0.023	A	A	0.023	0.021	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	15	14	0.025	0.023	A	A	0.023	0.021	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	15	14	0.025	0.023	A	A	0.023	0.021	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	31	43	0.052	0.072	A	A	0.047	0.065	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	31	43	0.052	0.072	A	A	0.047	0.065	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	76	43	0.127	0.072	A	A	0.115	0.065	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	341	217	0.568	0.362	A	A	0.517	0.329	A	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	66	14	0.110	0.023	A	A	0.100	0.021	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	474	322	0.790	0.537	C	A	0.718	0.488	C	A
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	474	322	0.790	0.537	C	A	0.718	0.488	C	A
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	474	322	0.790	0.537	C	A	0.718	0.488	C	A
LOUISE AVE	Nugent	Andasol	1	1	600	600	55	28	0.092	0.047	A	A	0.083	0.042	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	107	17	0.178	0.028	A	A	0.162	0.026	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	259	57	0.432	0.095	A	A	0.392	0.086	A	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	129	4	0.215	0.007	A	A	0.195	0.006	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	570	55	0.950	0.092	E	A	0.864	0.083	D	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	570	55	0.950	0.092	E	A	0.864	0.083	D	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	570	55	0.950	0.092	E	A	0.864	0.083	D	A
LOUISE AVE	Rinaldi	Index	1	1	700	700	205	36	0.293	0.051	A	A	0.266	0.047	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	388	84	0.277	0.120	A	A	0.252	0.109	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	479	171	0.342	0.244	A	A	0.311	0.222	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	503	179	0.719	0.256	C	A	0.653	0.232	B	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	524	157	0.749	0.224	C	A	0.681	0.204	B	A
LOUISE AVE	Chatsworth	Kingsbury	1	1	700	700	473	178	0.676	0.254	B	A	0.614	0.231	B	A
LOUISE AVE	Kingsbury	Germain	1	1	700	700	473	178	0.676	0.254	B	A	0.614	0.231	B	A
LOUISE AVE	Germain	San Jose	1	1	700	700	473	178	0.676	0.254	B	A	0.614	0.231	B	A
LOUISE AVE	San Jose	Hiawatha	1	1	700	700	323	41	0.461	0.059	A	A	0.419	0.053	A	A
LOUISE AVE	Hiawatha	Devonshire	1	1	700	700	323	41	0.461	0.059	A	A	0.419	0.053	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	388	84	0.277	0.120	A	A	0.252	0.109	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	479	171	0.342	0.244	A	A	0.311	0.222	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	503	179	0.719	0.256	C	A	0.653	0.232	B	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	1,660	1,989	1.186	1.421	F	F	1.078	1.292	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	1,628	455	0.678	0.284	B	A	0.617	0.259	B	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,022	2,177	1.889	1.361	F	F	1.717	1.237	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,022	2,177	1.889	1.361	F	F	1.717	1.237	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	2,680	2,155	1.675	1.347	F	F	1.523	1.224	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	2,680	2,155	1.675	1.347	F	F	1.523	1.224	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	2,602	2,016	1.626	1.260	F	F	1.478	1.145	F	F
BALBOA BLVD	Woodley	Colven	2	2	1600	1600	2,495	2,217	1.559	1.386	F	F	1.418	1.260	F	F
BALBOA BLVD	Colven	Pineridge	2	2	1600	1600	2,466	2,152	1.541	1.345	F	F	1.401	1.223	F	F
BALBOA BLVD	Pineridge	Knollwood	2	2	1600	1600	2,535	2,259	1.584	1.412	F	F	1.440	1.284	F	F
BALBOA BLVD	Knollwood	Midwood	2	2	1600	1600	2,603	2,317	1.627	1.448	F	F	1.479	1.316	F	F
BALBOA BLVD	Midwood	Lorillard	2	2	1600	1600	2,391	2,377	1.494	1.486	F	F	1.359	1.351	F	F
BALBOA BLVD	Lorillard	Halsey	2	2	1600	1600	2,370	2,351	1.481	1.469	F	F	1.347	1.336	F	F

APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Halsey	Rinaldi	2	2	1600	1600	2,572	2,350	1.608	1.469	F	F	1.461	1.335	F	F
BALBOA BLVD	Rinaldi	Index	2	2	1600	1600	2,599	2,540	1.624	1.588	F	F	1.477	1.443	F	F
BALBOA BLVD	Index	San Fern. Mission	2	2	1600	1600	1,762	1,496	1.101	0.935	F	E	1.001	0.850	F	D
BALBOA BLVD	San Fern. Mission	Tulsa	2	2	1600	1600	1,731	1,400	1.082	0.875	F	D	0.984	0.795	E	C
BALBOA BLVD	Tulsa	Los Alimos	2	2	1600	1600	1,681	1,275	1.051	0.797	F	C	0.955	0.724	E	C
BALBOA BLVD	Los Alimos	Chatsworth	2	2	1600	1600	1,681	1,275	1.051	0.797	F	C	0.955	0.724	E	C
BALBOA BLVD	Chatsworth	Kingsbury	2	2	1600	1600	1,685	1,249	1.053	0.781	F	C	0.957	0.710	E	C
BALBOA BLVD	Kingsbury	Germain	2	2	1600	1600	1,685	1,249	1.053	0.781	F	C	0.957	0.710	E	C
BALBOA BLVD	Germain	San Jose	2	2	1600	1600	1,685	1,249	1.053	0.781	F	C	0.957	0.710	E	C
BALBOA BLVD	San Jose	Blackhawk	2	2	1600	1600	1,566	966	0.979	0.604	E	B	0.890	0.549	D	A
BALBOA BLVD	Blackhawk	Devonshire	2	2	1600	1600	1,566	966	0.979	0.604	E	B	0.890	0.549	D	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	35	30	0.058	0.050	A	A	0.053	0.045	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	35	30	0.058	0.050	A	A	0.053	0.045	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	35	30	0.058	0.050	A	A	0.053	0.045	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	22	44	0.037	0.073	A	A	0.033	0.067	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	22	44	0.037	0.073	A	A	0.033	0.067	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	22	44	0.037	0.073	A	A	0.033	0.067	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	38	50	0.063	0.083	A	A	0.058	0.076	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	38	50	0.063	0.083	A	A	0.058	0.076	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	211	95	0.352	0.158	A	A	0.320	0.144	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	46	42	0.077	0.070	A	A	0.070	0.064	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	7	49	0.012	0.082	A	A	0.011	0.074	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	7	49	0.012	0.082	A	A	0.011	0.074	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	7	49	0.012	0.082	A	A	0.011	0.074	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	151	84	0.252	0.140	A	A	0.229	0.127	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	8	25	0.013	0.042	A	A	0.012	0.038	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	8	25	0.013	0.042	A	A	0.012	0.038	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	8	25	0.013	0.042	A	A	0.012	0.038	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	596	227	0.426	0.162	A	A	0.387	0.147	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	340	680	0.243	0.486	A	A	0.221	0.442	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,220	402	0.871	0.287	D	A	0.792	0.261	C	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,921	695	1.372	0.496	F	A	1.247	0.451	F	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,794	578	1.281	0.413	F	A	1.165	0.375	F	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,417	565	1.012	0.404	F	A	0.920	0.367	E	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	1,144	257	0.817	0.184	D	A	0.743	0.167	C	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	1,090	420	0.779	0.300	C	A	0.708	0.273	C	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,266	455	0.904	0.325	E	A	0.822	0.295	D	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	1,102	231	0.787	0.165	C	A	0.716	0.150	C	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	1,102	231	0.787	0.165	C	A	0.716	0.150	C	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	1,158	333	0.827	0.238	D	A	0.752	0.216	C	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	201	81	0.335	0.135	A	A	0.305	0.123	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	25	41	0.042	0.068	A	A	0.038	0.062	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	25	41	0.042	0.068	A	A	0.038	0.062	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	45	44	0.075	0.073	A	A	0.068	0.067	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	578	509	0.963	0.848	E	D	0.876	0.771	D	C
WOODLEY AVE	Balboa	McLennan	1	1	600	600	236	27	0.393	0.045	A	A	0.358	0.041	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	236	27	0.393	0.045	A	A	0.358	0.041	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	236	26	0.393	0.043	A	A	0.358	0.039	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	236	26	0.393	0.043	A	A	0.358	0.039	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	229	31	0.382	0.052	A	A	0.347	0.047	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	229	31	0.382	0.052	A	A	0.347	0.047	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	170	44	0.283	0.073	A	A	0.258	0.067	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	170	42	0.283	0.070	A	A	0.258	0.064	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	758	411	0.474	0.257	A	A	0.431	0.234	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	721	401	0.451	0.251	A	A	0.410	0.228	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,365	395	0.853	0.247	D	A	0.776	0.224	C	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	862	353	0.539	0.221	A	A	0.490	0.201	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	911	372	0.569	0.233	A	A	0.518	0.211	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,396	532	0.873	0.333	D	A	0.793	0.302	C	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,718	1,132	1.074	0.708	F	C	0.976	0.643	E	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,474	739	0.921	0.462	E	A	0.838	0.420	D	A

APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,347	734	0.842	0.459	D	A	0.765	0.417	C	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,505	660	0.941	0.413	E	A	0.855	0.375	D	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	70	111	0.117	0.185	A	A	0.106	0.168	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	28	42	0.047	0.070	A	A	0.042	0.064	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	28	42	0.047	0.070	A	A	0.042	0.064	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	45	63	0.075	0.105	A	A	0.068	0.095	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	85	68	0.142	0.113	A	A	0.129	0.103	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	3	3	0.005	0.005	A	A	0.005	0.005	A	A
MONTGOMERY AVE	Tuba	Lemmarsh	1	1	600	600	3	3	0.005	0.005	A	A	0.005	0.005	A	A
MONTGOMERY AVE	Lemmarsh	Mayall	1	1	600	600	30	43	0.050	0.072	A	A	0.045	0.065	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	39	46	0.065	0.077	A	A	0.059	0.070	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	39	46	0.065	0.077	A	A	0.059	0.070	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	777	150	0.555	0.107	A	A	0.505	0.097	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	209	145	0.149	0.104	A	A	0.136	0.094	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	209	145	0.149	0.104	A	A	0.136	0.094	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	336	255	0.240	0.182	A	A	0.218	0.166	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	384	260	0.274	0.186	A	A	0.249	0.169	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	384	260	0.274	0.186	A	A	0.249	0.169	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	384	260	0.274	0.186	A	A	0.249	0.169	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	700	285	0.500	0.204	A	A	0.455	0.185	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	700	285	0.500	0.204	A	A	0.455	0.185	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	474	268	0.339	0.191	A	A	0.308	0.174	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	745	229	0.532	0.164	A	A	0.484	0.149	A	A
HASKELL AVE	Tuba	Lemmarsh	2	2	1400	1400	745	229	0.532	0.164	A	A	0.484	0.149	A	A
HASKELL AVE	Lemmarsh	Mayall	2	2	1400	1400	711	168	0.508	0.120	A	A	0.462	0.109	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	39	46	0.065	0.077	A	A	0.059	0.070	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	39	46	0.065	0.077	A	A	0.059	0.070	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	39	46	0.065	0.077	A	A	0.059	0.070	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,697	1,475	2.311	0.922	F	E	2.101	0.838	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,239	3,692	1.399	2.308	F	F	1.272	2.098	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	698	2,479	0.436	1.549	A	F	0.397	1.409	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,308	399	0.818	0.249	D	A	0.743	0.227	C	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,354	414	1.693	0.518	F	A	1.539	0.470	F	A
SESNON BLVD	Cascade Canyon	Marcus	1	1	800	800	53	89	0.066	0.111	A	A	0.060	0.101	A	A
SESNON BLVD	Marcus	Neon	1	1	800	800	53	89	0.066	0.111	A	A	0.060	0.101	A	A
SESNON BLVD	Neon	Jollette	1	1	800	800	53	89	0.066	0.111	A	A	0.060	0.101	A	A
SESNON BLVD	Jollette	Bronte	1	1	800	800	23	24	0.029	0.030	A	A	0.026	0.027	A	A
SESNON BLVD	Bronte	Tuscan	1	1	800	800	23	24	0.029	0.030	A	A	0.026	0.027	A	A
SESNON BLVD	Tuscan	Meadowlark	1	1	800	800	23	24	0.029	0.030	A	A	0.026	0.027	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	283	24	0.354	0.030	A	A	0.322	0.027	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	341	22	0.426	0.028	A	A	0.388	0.025	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	341	22	0.426	0.028	A	A	0.388	0.025	A	A
LISETTE ST	Jollette	Jimeno	1	1	600	600	332	44	0.553	0.073	A	A	0.503	0.067	A	A
LISETTE ST	Jimeno	Balboa	1	1	600	600	367	296	0.612	0.493	B	A	0.556	0.448	A	A
WESTBURY DR	Daryl	Henzie	1	1	600	600	45	35	0.075	0.058	A	A	0.068	0.053	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	45	35	0.075	0.058	A	A	0.068	0.053	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	236	42	0.393	0.070	A	A	0.358	0.064	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	236	42	0.393	0.070	A	A	0.358	0.064	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	236	42	0.393	0.070	A	A	0.358	0.064	A	A
ROSNICK PL	El Oro	McLennan	1	1	600	600	72	45	0.120	0.075	A	A	0.109	0.068	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	49	36	0.082	0.060	A	A	0.074	0.055	A	A
PINERIDGE DR	Kenny	Catania	1	1	600	600	28	30	0.047	0.050	A	A	0.042	0.045	A	A
PINERIDGE DR	Catania	Knollwood	1	1	600	600	28	30	0.047	0.050	A	A	0.042	0.045	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	7	39	0.012	0.065	A	A	0.011	0.059	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	13	192	0.022	0.320	A	A	0.020	0.291	A	A
REXBON RD	Zelzah	Mayerling	1	1	600	600	32	45	0.053	0.075	A	A	0.048	0.068	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	301	51	0.502	0.085	A	A	0.456	0.077	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	84	151	0.140	0.252	A	A	0.127	0.229	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	12	24	0.020	0.040	A	A	0.018	0.036	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	300	41	0.500	0.068	A	A	0.455	0.062	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	42	49	0.070	0.082	A	A	0.064	0.074	A	A

APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	34	37	0.057	0.062	A	A	0.052	0.056	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,887	1,578	1.179	0.986	F	E	1.072	0.897	F	D
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	2,062	1,181	1.289	0.738	F	C	1.172	0.671	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,946	1,195	1.216	0.747	F	C	1.106	0.679	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	2,015	1,113	1.259	0.696	F	B	1.145	0.632	F	B
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	2,015	1,113	1.259	0.696	F	B	1.145	0.632	F	B
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,387	1,056	0.867	0.660	D	B	0.788	0.600	C	B
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,172	600	0.733	0.375	C	A	0.666	0.341	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	831	605	0.519	0.378	A	A	0.472	0.344	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	831	605	0.519	0.378	A	A	0.472	0.344	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	821	759	0.513	0.474	A	A	0.466	0.431	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	1,017	1,117	0.636	0.698	B	B	0.578	0.635	A	B
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	1,239	1,171	0.774	0.732	C	C	0.704	0.665	C	B
RINALDI ST	Hayvenhurst	Odessa	2	2	1600	1600	1,401	965	0.876	0.603	D	B	0.796	0.548	C	A
RINALDI ST	Odessa	Swinton	2	2	1600	1600	1,360	1,015	0.850	0.634	D	B	0.773	0.577	C	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,296	1,047	0.810	0.654	D	B	0.736	0.595	C	A
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,781	1,357	1.113	0.848	F	D	1.012	0.771	F	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,783	1,361	1.114	0.851	F	D	1.013	0.773	F	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,560	1,511	1.600	0.944	F	E	1.455	0.859	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,589	1,579	1.618	0.987	F	E	1.471	0.897	F	D
INDEX ST	Yarmouth	Aldea	1	1	600	600	340	476	0.567	0.793	A	C	0.515	0.721	A	C
INDEX ST	Aldea	Amestoy	1	1	600	600	402	365	0.670	0.608	B	B	0.609	0.553	B	A
INDEX ST	Amestoy	Balboa	1	1	600	600	402	367	0.670	0.612	B	B	0.609	0.556	B	A
INDEX ST	Balboa	McLennan	1	1	600	600	486	250	0.810	0.417	D	A	0.736	0.379	C	A
INDEX ST	McLennan	Ruffner	1	1	600	600	454	205	0.757	0.342	C	A	0.688	0.311	B	A
INDEX ST	Ruffner	Danube	1	1	600	600	358	243	0.597	0.405	A	A	0.542	0.368	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	685	501	0.489	0.358	A	A	0.445	0.325	A	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	628	484	0.897	0.691	D	B	0.816	0.629	D	B
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	739	544	1.056	0.777	F	C	0.960	0.706	E	C
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	742	581	1.060	0.830	F	D	0.964	0.755	E	C
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	707	567	1.010	0.810	F	D	0.918	0.736	E	C
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	709	564	1.013	0.806	F	D	0.921	0.732	E	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	709	564	1.013	0.806	F	D	0.921	0.732	E	C
SAN FERNANDO MISSION	Louise	Amestoy	1	1	700	700	633	475	0.904	0.679	E	B	0.822	0.617	D	B
SAN FERNANDO MISSION	Amestoy	Paso Robles	1	1	700	700	737	593	1.053	0.847	F	D	0.957	0.770	E	C
SAN FERNANDO MISSION	Paso Robles	Balboa	1	1	700	700	737	593	1.053	0.847	F	D	0.957	0.770	E	C
SAN FERNANDO MISSION	Balboa	Petit	1	1	700	700	649	440	0.927	0.629	E	B	0.843	0.571	D	A
SAN FERNANDO MISSION	Petit	Ruffner	1	1	700	700	649	440	0.927	0.629	E	B	0.843	0.571	D	A
SAN FERNANDO MISSION	Ruffner	Gerald	1	1	700	700	539	433	0.770	0.619	C	B	0.700	0.562	C	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	1	1	700	700	539	433	0.770	0.619	C	B	0.700	0.562	C	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	1	1	700	700	1,076	562	1.537	0.803	F	D	1.397	0.730	F	C
SAN FERNANDO MISSION	Monogram	Gothic	1	1	700	700	1,076	562	1.537	0.803	F	D	1.397	0.730	F	C
SAN FERNANDO MISSION	Gothic	Haskell	1	1	700	700	1,052	562	1.503	0.803	F	D	1.366	0.730	F	C
SAN FERNANDO MISSION	Haskell	Danube	1	1	700	700	655	693	0.936	0.990	E	E	0.851	0.900	D	E
SAN FERNANDO MISSION	Danube	Blucher	1	1	700	700	655	693	0.936	0.990	E	E	0.851	0.900	D	E
SAN FERNANDO MISSION	Blucher	405 Fwy	1	1	700	700	655	693	0.936	0.990	E	E	0.851	0.900	D	E
TULSA ST	Lindley	Louise	1	1	600	600	718	377	1.197	0.628	F	B	1.088	0.571	F	A
TULSA ST	Louise	Paso Robles	1	1	600	600	651	304	1.085	0.507	F	A	0.986	0.461	E	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	677	342	1.128	0.570	F	A	1.026	0.518	F	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	559	147	0.932	0.245	E	A	0.847	0.223	D	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	33	39	0.055	0.065	A	A	0.050	0.059	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	33	39	0.055	0.065	A	A	0.050	0.059	A	A
JONFIN ST	Gothic	end	1	1	600	600	43	37	0.072	0.062	A	A	0.065	0.056	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	2,022	1,794	1.444	1.281	F	F	1.313	1.165	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	2,091	1,827	1.494	1.305	F	F	1.358	1.186	F	F
CHATSWORTH ST	Zelzah	Yarmouth	2	2	1400	1400	1,419	935	1.014	0.668	F	B	0.921	0.607	E	B
CHATSWORTH ST	Yarmouth	White Oak	2	2	1400	1400	1,419	935	1.014	0.668	F	B	0.921	0.607	E	B
CHATSWORTH ST	White Oak	Shoshone	2	2	1400	1400	686	423	0.490	0.302	A	A	0.445	0.275	A	A
CHATSWORTH ST	Shoshone	Encino	2	2	1400	1400	686	423	0.490	0.302	A	A	0.445	0.275	A	A
CHATSWORTH ST	Encino	Andasol	2	2	1400	1400	948	593	0.677	0.424	B	A	0.616	0.385	B	A
CHATSWORTH ST	Andasol	Louise	2	2	1400	1400	948	593	0.677	0.424	B	A	0.616	0.385	B	A

APPENDIX A-8 TRANSPORTATION ALTERNATIVE FOUR

Segment	From	To	Off Peak Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service Without ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
CHATSWORTH ST	Louise	Aldea	2	2	1400	1400	1,132	849	0.809	0.606	D	B	0.735	0.551	C	A
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,264	874	0.903	0.624	E	B	0.821	0.568	D	A
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,211	952	0.865	0.680	D	B	0.786	0.618	C	B
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,135	848	0.811	0.606	D	B	0.737	0.551	C	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,135	827	0.811	0.591	D	A	0.737	0.537	C	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	1,114	772	0.796	0.551	C	A	0.723	0.501	C	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	1,114	772	0.796	0.551	C	A	0.723	0.501	C	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	1,114	772	0.796	0.551	C	A	0.723	0.501	C	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	1,114	772	0.796	0.551	C	A	0.723	0.501	C	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	836	770	0.597	0.550	A	A	0.543	0.500	A	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	836	770	0.597	0.550	A	A	0.543	0.500	A	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	836	770	0.597	0.550	A	A	0.543	0.500	A	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,141	782	0.815	0.559	D	A	0.741	0.508	C	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,141	782	0.815	0.559	D	A	0.741	0.508	C	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	410	357	0.683	0.595	B	A	0.621	0.541	B	A
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	784	723	1.307	1.205	F	F	1.188	1.095	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	626	627	1.043	1.045	F	F	0.948	0.950	E	E
SAN JOSE ST	Shoshone	Encino	1	1	600	600	626	627	1.043	1.045	F	F	0.948	0.950	E	E
SAN JOSE ST	Encino	Bianca	1	1	600	600	593	493	0.988	0.822	E	D	0.898	0.747	D	C
SAN JOSE ST	Bianca	Andasol	1	1	600	600	593	493	0.988	0.822	E	D	0.898	0.747	D	C
SAN JOSE ST	Andasol	Genesta	1	1	600	600	618	532	1.030	0.887	F	D	0.936	0.806	E	D
SAN JOSE ST	Genesta	Balboa	1	1	600	600	470	363	0.783	0.605	C	B	0.712	0.550	C	A
SAN JOSE ST	Balboa	Danube	1	1	600	600	436	186	0.727	0.310	C	A	0.661	0.282	B	A
DEVONSHIRE ST	Etiwanda	Zelzah	1	1	800	800	1,239	1,116	1.549	1.395	F	F	1.408	1.268	F	F
DEVONSHIRE ST	Lindley	Zelzah	1	1	800	800	1,239	1,116	1.549	1.395	F	F	1.408	1.268	F	F
DEVONSHIRE ST	Zelzah	White Oak	1	1	800	800	580	386	0.725	0.483	C	A	0.659	0.439	B	A
DEVONSHIRE ST	White Oak	Encino	1	1	800	800	358	182	0.448	0.228	A	A	0.407	0.207	A	A
DEVONSHIRE ST	Encino	Andasol	1	1	800	800	522	515	0.653	0.644	B	B	0.593	0.585	A	A
DEVONSHIRE ST	Andasol	Louise	1	1	800	800	522	515	0.653	0.644	B	B	0.593	0.585	A	A
DEVONSHIRE ST	Louise	Amestoy	1	1	800	800	481	330	0.601	0.413	B	A	0.547	0.375	A	A
DEVONSHIRE ST	Amestoy	Balboa	1	1	800	800	742	526	0.928	0.658	E	B	0.843	0.598	D	A
DEVONSHIRE ST	Balboa	Petit	1	1	800	800	630	376	0.788	0.470	C	A	0.716	0.427	C	A
DEVONSHIRE ST	Petit	Ruffner	1	1	800	800	419	280	0.524	0.350	A	A	0.476	0.318	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	1	1	800	800	419	280	0.524	0.350	A	A	0.476	0.318	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	1	1	800	800	845	646	1.056	0.808	F	D	0.960	0.734	E	C
DEVONSHIRE ST	Gothic	Woodley	1	1	800	800	622	470	0.778	0.588	C	A	0.707	0.534	C	A
DEVONSHIRE ST	Woodley	Montgomery	1	1	800	800	686	656	0.858	0.820	D	D	0.780	0.745	C	C
DEVONSHIRE ST	Montgomery	Densmore	1	1	800	800	750	739	0.938	0.924	E	E	0.852	0.840	D	D
DEVONSHIRE ST	Densmore	Haskell	1	1	800	800	750	739	0.938	0.924	E	E	0.852	0.840	D	D
DEVONSHIRE ST	Haskell	Aqueduct	1	1	800	800	1,279	1,000	1.599	1.250	F	F	1.453	1.136	F	F
DEVONSHIRE ST	Aqueduct	Blucher	1	1	800	800	1,279	1,000	1.599	1.250	F	F	1.453	1.136	F	F
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,279	991	0.533	0.413	A	A	0.484	0.375	A	A
MAYALL ST	Balboa	end	1	1	600	600	426	384	0.710	0.640	C	B	0.645	0.582	B	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	36	45	0.060	0.075	A	A	0.055	0.068	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	281	66	0.468	0.110	A	A	0.426	0.100	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,687	1,092	1.205	0.780	F	C	1.095	0.709	F	C
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,687	1,092	1.205	0.780	F	C	1.095	0.709	F	C
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,687	1,092	1.205	0.780	F	C	1.095	0.709	F	C
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,687	1,092	1.205	0.780	F	C	1.095	0.709	F	C
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,591	1,440	1.136	1.029	F	F	1.033	0.935	F	E
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,591	1,440	1.136	1.029	F	F	1.033	0.935	F	E
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,158	1,142	0.827	0.816	D	D	0.752	0.742	C	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,392	1,408	0.994	1.006	E	F	0.904	0.914	E	E
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,392	1,408	0.994	1.006	E	F	0.904	0.914	E	E
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,392	1,408	0.994	1.006	E	F	0.904	0.914	E	E
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,331	1,228	0.951	0.877	E	D	0.864	0.797	D	C
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,331	1,228	0.951	0.877	E	D	0.864	0.797	D	C

Total Links 362 362 724  
 Links at E or F (with ATSAC) 88 40 128 18% 0.896

Weighted V/C



APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	118	4	0.197	0.007	A	A	0.179	0.006	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	43	45	0.072	0.075	A	A	0.065	0.068	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	636	253	1.060	0.422	F	A	0.964	0.383	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	168	728	0.280	1.213	A	F	0.255	1.103	A	F
ZELZAH AVE	Simonds	Index	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	724	623	1.207	1.038	F	F	1.097	0.944	F	E
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	724	623	1.207	1.038	F	F	1.097	0.944	F	E
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	960	644	1.600	1.073	F	F	1.455	0.976	F	E
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	975	712	1.625	1.187	F	F	1.477	1.079	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	975	712	1.625	1.187	F	F	1.477	1.079	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	971	619	0.694	0.442	B	A	0.631	0.402	B	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	971	619	0.694	0.442	B	A	0.631	0.402	B	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,162	865	0.830	0.618	D	B	0.755	0.562	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,162	865	0.830	0.618	D	B	0.755	0.562	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	565	56	0.471	0.047	A	A	0.428	0.042	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	836	697	1.393	1.162	F	F	1.267	1.056	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	719	832	1.198	1.387	F	F	1.089	1.261	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	454	335	0.757	0.558	C	A	0.688	0.508	B	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	454	335	0.757	0.558	C	A	0.688	0.508	B	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	168	163	0.140	0.136	A	A	0.127	0.123	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	49	40	0.082	0.067	A	A	0.074	0.061	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	49	40	0.082	0.067	A	A	0.074	0.061	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	24	22	0.040	0.037	A	A	0.036	0.033	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	24	22	0.040	0.037	A	A	0.036	0.033	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	50	25	0.083	0.042	A	A	0.076	0.038	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	423	41	0.705	0.068	C	A	0.641	0.062	B	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	485	91	0.808	0.152	D	A	0.735	0.138	C	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	485	91	0.808	0.152	D	A	0.735	0.138	C	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	572	176	0.953	0.293	E	A	0.867	0.267	D	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	497	137	0.828	0.228	D	A	0.753	0.208	C	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	770	428	1.283	0.713	F	C	1.167	0.648	F	B
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	762	409	1.270	0.682	F	B	1.155	0.620	F	B
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	762	409	1.270	0.682	F	B	1.155	0.620	F	B
TROSA ST	Jollette	Neon Way	1	1	600	600	31	49	0.052	0.082	A	A	0.047	0.074	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	67	45	0.112	0.075	A	A	0.102	0.068	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	239	92	0.398	0.153	A	A	0.362	0.139	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	258	173	0.430	0.288	A	A	0.391	0.262	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	258	173	0.430	0.288	A	A	0.391	0.262	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	107	175	0.178	0.292	A	A	0.162	0.265	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	26	28	0.043	0.047	A	A	0.039	0.042	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A

APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Mindora	Signature	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	152	45	0.253	0.075	A	A	0.230	0.068	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	455	257	0.758	0.428	C	A	0.689	0.389	B	A
ENCINO AVE	Kalisher	Index	1	1	600	600	455	257	0.758	0.428	C	A	0.689	0.389	B	A
ENCINO AVE	Index	Donmetz	1	1	600	600	105	54	0.175	0.090	A	A	0.159	0.082	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	80	22	0.133	0.037	A	A	0.121	0.033	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	80	22	0.133	0.037	A	A	0.121	0.033	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	257	80	0.428	0.133	A	A	0.389	0.121	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	257	80	0.428	0.133	A	A	0.389	0.121	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	311	132	0.518	0.220	A	A	0.471	0.200	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	555	276	0.925	0.460	E	A	0.841	0.418	D	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	109	88	0.182	0.147	A	A	0.165	0.133	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
LOUISE AVE	Nugent	Andasol	1	1	600	600	75	38	0.125	0.063	A	A	0.114	0.058	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	222	32	0.370	0.053	A	A	0.336	0.048	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	438	91	0.730	0.152	C	A	0.664	0.138	B	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	304	8	0.507	0.013	A	A	0.461	0.012	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	367	43	0.262	0.061	A	A	0.238	0.056	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	528	99	0.377	0.141	A	A	0.343	0.129	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	613	159	0.438	0.227	A	A	0.398	0.206	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	766	259	1.094	0.370	F	A	0.995	0.336	E	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	716	251	1.023	0.359	F	A	0.930	0.326	E	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	451	108	0.322	0.077	A	A	0.293	0.070	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	451	108	0.322	0.077	A	A	0.293	0.070	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	528	99	0.377	0.141	A	A	0.343	0.129	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	613	159	0.438	0.227	A	A	0.398	0.206	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	766	259	1.094	0.370	F	A	0.995	0.336	E	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	2,196	2,555	1.569	1.825	F	F	1.426	1.659	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	2,381	487	0.992	0.304	E	A	0.902	0.277	E	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,827	2,291	2.392	1.432	F	F	2.174	1.302	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,827	2,291	2.392	1.432	F	F	2.174	1.302	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	3,355	2,254	2.097	1.409	F	F	1.906	1.281	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	3,355	2,254	2.097	1.409	F	F	1.906	1.281	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	3,262	2,069	2.039	1.293	F	F	1.853	1.176	F	F
BALBOA BLVD	Woodley	Colven	2	2	1600	1600	3,305	2,322	2.066	1.451	F	F	1.878	1.319	F	F
BALBOA BLVD	Colven	Pineridge	2	2	1600	1600	3,253	2,191	2.033	1.369	F	F	1.848	1.245	F	F
BALBOA BLVD	Pineridge	Knollwood	2	2	1600	1600	3,356	2,342	2.098	1.464	F	F	1.907	1.331	F	F
BALBOA BLVD	Knollwood	Midwood	2	2	1600	1600	3,446	2,425	2.154	1.516	F	F	1.958	1.378	F	F
BALBOA BLVD	Midwood	Lorillard	2	2	1600	1600	3,405	2,498	2.128	1.561	F	F	1.935	1.419	F	F
BALBOA BLVD	Lorillard	Halsey	2	2	1600	1600	3,388	2,477	2.118	1.548	F	F	1.925	1.407	F	F



APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Halsey	Rinaldi	2	2	1600	1600	3,588	2,480	2.243	1.550	F	F	2.039	1.409	F	F
BALBOA BLVD	Rinaldi	Index	2	2	1600	1600	3,394	2,737	2.121	1.711	F	F	1.928	1.555	F	F
BALBOA BLVD	Index	San Fern. Mission	2	2	1600	1600	1,973	1,599	1.233	0.999	F	E	1.121	0.909	F	E
BALBOA BLVD	San Fern. Mission	Tulsa	2	2	1600	1600	2,088	1,347	1.305	0.842	F	D	1.186	0.765	F	C
BALBOA BLVD	Tulsa	Los Alimos	2	2	1600	1600	1,895	1,284	1.184	0.803	F	D	1.077	0.730	F	C
BALBOA BLVD	Los Alimos	Chatsworth	2	2	1600	1600	1,895	1,284	1.184	0.803	F	D	1.077	0.730	F	C
BALBOA BLVD	Chatsworth	Kingsbury	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	Kingsbury	Germain	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	Germain	San Jose	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	San Jose	Blackhawk	2	2	1600	1600	1,911	1,036	1.194	0.648	F	B	1.086	0.589	F	A
BALBOA BLVD	Blackhawk	Devonshire	2	2	1600	1600	1,911	1,036	1.194	0.648	F	B	1.086	0.589	F	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	31	7	0.052	0.012	A	A	0.047	0.011	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	31	7	0.052	0.012	A	A	0.047	0.011	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	222	124	0.370	0.207	A	A	0.336	0.188	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	45	29	0.075	0.048	A	A	0.068	0.044	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	181	103	0.302	0.172	A	A	0.274	0.156	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	799	196	0.571	0.140	A	A	0.519	0.127	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	448	617	0.320	0.441	A	A	0.291	0.401	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,375	401	0.982	0.286	E	A	0.893	0.260	D	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,601	683	1.144	0.488	F	A	1.040	0.444	F	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,440	600	1.029	0.429	F	A	0.935	0.390	E	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,333	583	0.952	0.416	E	A	0.866	0.379	D	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	1,041	286	0.744	0.204	C	A	0.676	0.186	B	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	894	384	0.639	0.274	B	A	0.581	0.249	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,039	464	0.742	0.331	C	A	0.675	0.301	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	813	226	0.581	0.161	A	A	0.528	0.147	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	813	226	0.581	0.161	A	A	0.528	0.147	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	882	314	0.630	0.224	B	A	0.573	0.204	A	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	245	101	0.408	0.168	A	A	0.371	0.153	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	323	7	0.538	0.012	A	A	0.489	0.011	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	323	7	0.538	0.012	A	A	0.489	0.011	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	37	41	0.062	0.068	A	A	0.056	0.062	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	751	659	1.252	1.098	F	F	1.138	0.998	F	E
WOODLEY AVE	Balboa	McLennan	1	1	600	600	284	50	0.473	0.083	A	A	0.430	0.076	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	284	50	0.473	0.083	A	A	0.430	0.076	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	284	35	0.473	0.058	A	A	0.430	0.053	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	284	35	0.473	0.058	A	A	0.430	0.053	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	277	40	0.462	0.067	A	A	0.420	0.061	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	277	40	0.462	0.067	A	A	0.420	0.061	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	208	28	0.347	0.047	A	A	0.315	0.042	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	208	36	0.347	0.060	A	A	0.315	0.055	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	791	455	0.494	0.284	A	A	0.449	0.259	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	770	452	0.481	0.283	A	A	0.438	0.257	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,092	459	0.683	0.287	B	A	0.620	0.261	B	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	968	316	0.605	0.198	B	A	0.550	0.180	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	1,030	345	0.644	0.216	B	A	0.585	0.196	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,543	518	0.964	0.324	E	A	0.877	0.294	D	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,963	1,140	1.227	0.713	F	C	1.115	0.648	F	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,568	779	0.980	0.487	E	A	0.891	0.443	D	A

APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,452	813	0.908	0.508	E	A	0.825	0.462	D	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,588	762	0.993	0.476	E	A	0.902	0.433	E	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	95	132	0.158	0.220	A	A	0.144	0.200	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	73	71	0.122	0.118	A	A	0.111	0.108	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	111	84	0.185	0.140	A	A	0.168	0.127	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
MONTGOMERY AVE	Tuba	Lemarsh	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
MONTGOMERY AVE	Lemarsh	Mayall	1	1	600	600	48	37	0.080	0.062	A	A	0.073	0.056	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	438	155	0.313	0.111	A	A	0.284	0.101	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	213	157	0.152	0.112	A	A	0.138	0.102	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	213	157	0.152	0.112	A	A	0.138	0.102	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	410	294	0.293	0.210	A	A	0.266	0.191	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	816	334	0.583	0.239	A	A	0.530	0.217	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	816	334	0.583	0.239	A	A	0.530	0.217	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	518	338	0.370	0.241	A	A	0.336	0.219	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	864	302	0.617	0.216	B	A	0.561	0.196	A	A
HASKELL AVE	Tuba	Lemarsh	2	2	1400	1400	864	302	0.617	0.216	B	A	0.561	0.196	A	A
HASKELL AVE	Lemarsh	Mayall	2	2	1400	1400	792	214	0.566	0.153	A	A	0.514	0.139	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,938	1,452	2.461	0.908	F	E	2.238	0.825	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,298	3,933	1.436	2.458	F	F	1.306	2.235	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	667	2,661	0.417	1.663	A	F	0.379	1.512	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,238	346	0.774	0.216	C	A	0.703	0.197	C	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,326	452	1.658	0.565	F	A	1.507	0.514	F	A
SESNON BLVD	Cascade Canyon	Marcus	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Marcus	Neon	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Neon	Jollette	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Jollette	Bronte	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Bronte	Tuscan	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Tuscan	Meadowlark	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	468	39	0.585	0.049	A	A	0.532	0.044	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	471	36	0.589	0.045	A	A	0.535	0.041	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	471	36	0.589	0.045	A	A	0.535	0.041	A	A
LISETTE ST	Jollette	Jimeno	1	1	600	600	227	48	0.378	0.080	A	A	0.344	0.073	A	A
LISETTE ST	Jimeno	Balboa	1	1	600	600	318	392	0.530	0.653	A	B	0.482	0.594	A	A
WESTBURY DR	Daryl	Henzie	1	1	600	600	4	26	0.007	0.043	A	A	0.006	0.039	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	4	26	0.007	0.043	A	A	0.006	0.039	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
ROS NICK PL	El Oro	McLennan	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	69	49	0.115	0.082	A	A	0.105	0.074	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	42	43	0.070	0.072	A	A	0.064	0.065	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	42	43	0.070	0.072	A	A	0.064	0.065	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	6	50	0.010	0.083	A	A	0.009	0.076	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	28	206	0.047	0.343	A	A	0.042	0.312	A	A
REX BON RD	Zelzah	Mayerling	1	1	600	600	41	27	0.068	0.045	A	A	0.062	0.041	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	147	86	0.245	0.143	A	A	0.223	0.130	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	103	181	0.172	0.302	A	A	0.156	0.274	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	16	7	0.027	0.012	A	A	0.024	0.011	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	207	12	0.345	0.020	A	A	0.314	0.018	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	34	29	0.057	0.048	A	A	0.052	0.044	A	A

APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,959	1,602	1.224	1.001	F	F	1.113	0.910	F	E
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,963	1,224	1.227	0.765	F	C	1.115	0.695	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,859	1,229	1.162	0.768	F	C	1.056	0.698	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,869	1,122	1.168	0.701	F	C	1.062	0.638	F	B
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,869	1,122	1.168	0.701	F	C	1.062	0.638	F	B
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,365	972	0.853	0.608	D	B	0.776	0.552	C	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,109	517	0.693	0.323	B	A	0.630	0.294	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	894	514	0.559	0.321	A	A	0.508	0.292	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	894	514	0.559	0.321	A	A	0.508	0.292	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	841	731	0.526	0.457	A	A	0.478	0.415	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	894	1,234	0.559	0.771	A	C	0.508	0.701	A	C
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	990	1,246	0.619	0.779	B	C	0.563	0.708	A	C
RINALDI ST	Hayvenhurst	Odesa	2	2	1600	1600	1,320	973	0.825	0.608	D	B	0.750	0.553	C	A
RINALDI ST	Odesa	Swinton	2	2	1600	1600	1,568	1,049	0.980	0.656	E	B	0.891	0.596	D	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,474	1,082	0.921	0.676	E	B	0.838	0.615	D	B
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,904	1,382	1.190	0.864	F	D	1.082	0.785	F	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,907	1,382	1.192	0.864	F	D	1.084	0.785	F	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,346	1,536	1.466	0.960	F	E	1.333	0.873	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,368	1,564	1.480	0.978	F	E	1.345	0.889	F	D
INDEX ST	Yarmouth	Aldea	1	1	600	600	714	468	1.190	0.780	F	C	1.082	0.709	F	C
INDEX ST	Aldea	Amestoy	1	1	600	600	625	275	1.042	0.458	F	A	0.947	0.417	E	A
INDEX ST	Amestoy	Balboa	1	1	600	600	626	275	1.043	0.458	F	A	0.948	0.417	E	A
INDEX ST	Balboa	McLennan	1	1	600	600	412	138	0.687	0.230	B	A	0.624	0.209	B	A
INDEX ST	McLennan	Ruffner	1	1	600	600	408	112	0.680	0.187	B	A	0.618	0.170	B	A
INDEX ST	Ruffner	Danube	1	1	600	600	321	170	0.535	0.283	A	A	0.486	0.258	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	1,034	621	0.739	0.444	C	A	0.671	0.403	B	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	1,027	572	1.467	0.817	F	D	1.334	0.743	F	C
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	966	589	1.380	0.841	F	D	1.255	0.765	F	C
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	876	629	1.251	0.899	F	D	1.138	0.817	F	D
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	817	626	1.167	0.894	F	D	1.061	0.813	F	D
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	825	615	1.179	0.879	F	D	1.071	0.799	F	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	826	615	1.180	0.879	F	D	1.073	0.799	F	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	1,143	938	0.816	0.670	D	B	0.742	0.609	C	B
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,239	1,024	0.885	0.731	D	C	0.805	0.665	D	B
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,239	1,024	0.885	0.731	D	C	0.805	0.665	D	B
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,268	687	0.906	0.491	E	A	0.823	0.446	D	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,268	687	0.906	0.491	E	A	0.823	0.446	D	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	1,172	692	0.837	0.494	D	A	0.761	0.449	C	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	1,172	692	0.837	0.494	D	A	0.761	0.449	C	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,097	673	0.784	0.481	C	A	0.712	0.437	C	A
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,097	673	0.784	0.481	C	A	0.712	0.437	C	A
SAN FERNANDO MISSION	Gothic	Haskell	1	1	700	700	773	665	1.104	0.950	F	E	1.004	0.864	F	D
SAN FERNANDO MISSION	Haskell	Danube	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
SAN FERNANDO MISSION	Danube	Blucher	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
SAN FERNANDO MISSION	Blucher	405 Fwy	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
TULSA ST	Lindley	Louise	1	1	600	600	588	543	0.980	0.905	E	E	0.891	0.823	D	D
TULSA ST	Louise	Paso Robles	1	1	600	600	500	298	0.833	0.497	D	A	0.758	0.452	C	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	559	335	0.932	0.558	E	A	0.847	0.508	D	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	271	172	0.452	0.287	A	A	0.411	0.261	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	29	37	0.048	0.062	A	A	0.044	0.056	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	29	37	0.048	0.062	A	A	0.044	0.056	A	A
JONFIN ST	Gothic	end	1	1	600	600	50	46	0.083	0.077	A	A	0.076	0.070	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,758	1,862	1.256	1.330	F	F	1.142	1.209	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,688	1,898	1.206	1.356	F	F	1.096	1.232	F	F
CHATSWORTH ST	Zelzah	Yarmouth	1	1	700	700	719	839	1.027	1.199	F	F	0.934	1.090	E	F
CHATSWORTH ST	Yarmouth	White Oak	1	1	700	700	719	839	1.027	1.199	F	F	0.934	1.090	E	F
CHATSWORTH ST	White Oak	Shoshone	1	1	700	700	411	302	0.587	0.431	A	A	0.534	0.392	A	A
CHATSWORTH ST	Shoshone	Encino	1	1	700	700	411	302	0.587	0.431	A	A	0.534	0.392	A	A
CHATSWORTH ST	Encino	Andasol	1	1	700	700	640	432	0.914	0.617	E	B	0.831	0.561	D	A
CHATSWORTH ST	Andasol	Louise	1	1	700	700	640	432	0.914	0.617	E	B	0.831	0.561	D	A

APPENDIX A-9 PREFERRED ALTERNATIVE

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
CHATSWORTH ST	Louise	Aldea	1	1	700	700	791	630	1.130	0.900	F	E	1.027	0.818	F	D
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,141	682	0.815	0.487	D	A	0.741	0.443	C	A
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,091	750	0.779	0.536	C	A	0.708	0.487	C	A
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,119	780	0.799	0.557	C	A	0.727	0.506	C	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,095	733	0.782	0.524	C	A	0.711	0.476	C	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	1,076	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	1,076	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	1,077	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	1,077	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,268	813	0.906	0.581	E	A	0.823	0.528	D	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,268	813	0.906	0.581	E	A	0.823	0.528	D	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	481	534	0.802	0.890	D	D	0.729	0.809	C	D
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	781	949	1.302	1.582	F	F	1.183	1.438	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	766	672	1.277	1.120	F	F	1.161	1.018	F	F
SAN JOSE ST	Shoshone	Encino	1	1	600	600	766	672	1.277	1.120	F	F	1.161	1.018	F	F
SAN JOSE ST	Encino	Bianca	1	1	600	600	653	560	1.088	0.933	F	E	0.989	0.848	E	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	653	560	1.088	0.933	F	E	0.989	0.848	E	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	687	668	1.145	1.113	F	F	1.041	1.012	F	F
SAN JOSE ST	Genesta	Balboa	1	1	600	600	456	412	0.760	0.687	C	B	0.691	0.624	B	B
SAN JOSE ST	Balboa	Danube	1	1	600	600	484	210	0.807	0.350	D	A	0.733	0.318	C	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,674	1,380	0.698	0.863	B	D	0.634	0.784	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,674	1,380	0.698	0.863	B	D	0.634	0.784	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	1,031	695	0.644	0.434	B	A	0.586	0.395	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	835	333	0.522	0.208	A	A	0.474	0.189	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	1,118	650	0.699	0.406	B	A	0.635	0.369	B	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	1,118	650	0.699	0.406	B	A	0.635	0.369	B	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	1,042	481	0.651	0.200	B	A	0.592	0.182	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,386	753	0.866	0.314	D	A	0.788	0.285	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	1,052	537	0.438	0.224	A	A	0.398	0.203	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	830	411	0.346	0.171	A	A	0.314	0.156	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	830	411	0.346	0.171	A	A	0.314	0.156	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,433	1,002	0.896	0.626	D	B	0.814	0.569	D	A
DEVONSHIRE ST	Gothic	Woodley	1	1	800	800	749	533	0.936	0.666	E	B	0.851	0.606	D	B
DEVONSHIRE ST	Woodley	Montgomery	1	1	800	800	748	683	0.935	0.854	E	D	0.850	0.776	D	C
DEVONSHIRE ST	Montgomery	Densmore	1	1	800	800	827	786	1.034	0.983	F	E	0.940	0.893	E	D
DEVONSHIRE ST	Densmore	Haskell	1	1	800	800	827	786	1.034	0.983	F	E	0.940	0.893	E	D
DEVONSHIRE ST	Haskell	Aqueduct	1	1	800	800	1,410	1,081	1.763	1.351	F	F	1.602	1.228	F	F
DEVONSHIRE ST	Aqueduct	Blucher	1	1	800	800	1,410	1,081	1.763	1.351	F	F	1.602	1.228	F	F
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,410	1,072	0.588	0.447	A	A	0.534	0.406	A	A
MAYALL ST	Balboa	end	1	1	600	600	379	317	0.632	0.528	B	A	0.574	0.480	A	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	49	44	0.082	0.073	A	A	0.074	0.067	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	393	135	0.655	0.225	B	A	0.595	0.205	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,562	1,246	1.116	0.890	F	D	1.014	0.809	F	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,562	1,246	1.116	0.890	F	D	1.014	0.809	F	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,237	1,197	0.884	0.855	D	D	0.803	0.777	D	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,413	1,264	1.009	0.903	F	E	0.918	0.821	E	D
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,413	1,264	1.009	0.903	F	E	0.918	0.821	E	D

Total Links

362

362

724

Weighted V/C



APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
LINDLEY AVE	San Fern. Mission	Ludlow	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Ludlow	Horace	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Horace	Tulsa Pl	1	1	600	600	103	61	0.172	0.102	A	A	0.156	0.092	A	A
LINDLEY AVE	Tulsa Pl	Kingsbury	1	1	600	600	118	4	0.197	0.007	A	A	0.179	0.006	A	A
LINDLEY AVE	Kingsbury	Hiawatha	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
LINDLEY AVE	Hiawatha	Devonshire	1	1	600	600	8	32	0.013	0.053	A	A	0.012	0.048	A	A
ZELZAH AVE	End	Ridgeway	1	1	600	600	43	45	0.072	0.075	A	A	0.065	0.068	A	A
ZELZAH AVE	Ridgeway	Newcastle	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Newcastle	Lerdo	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Lerdo	Rinaldi	1	1	600	600	35	46	0.058	0.077	A	A	0.053	0.070	A	A
ZELZAH AVE	Rinaldi	SR-118	1	1	600	600	636	253	1.060	0.422	F	A	0.964	0.383	E	A
ZELZAH AVE	SR-118	Simonds	1	1	600	600	168	728	0.280	1.213	A	F	0.255	1.103	A	F
ZELZAH AVE	Simonds	Index	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Index	Donmetz	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Donmetz	Lahey	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	Lahey	San Fern. Mission	1	1	600	600	722	542	1.203	0.903	F	E	1.094	0.821	F	D
ZELZAH AVE	San Fern. Mission	Horace	1	1	600	600	724	623	1.207	1.038	F	F	1.097	0.944	F	E
ZELZAH AVE	Horace	Tulsa St	1	1	600	600	724	623	1.207	1.038	F	F	1.097	0.944	F	E
ZELZAH AVE	Tulsa St	Tribune St	1	1	600	600	960	644	1.600	1.073	F	F	1.455	0.976	F	E
ZELZAH AVE	Tribune St	Los Alimos	1	1	600	600	975	712	1.625	1.187	F	F	1.477	1.079	F	F
ZELZAH AVE	Los Alimos	Chatsworth	1	1	600	600	975	712	1.625	1.187	F	F	1.477	1.079	F	F
ZELZAH AVE	Chatsworth	Kingsbury	2	2	1400	1400	971	619	0.694	0.442	B	A	0.631	0.402	B	A
ZELZAH AVE	Kingsbury	San Jose	2	2	1400	1400	971	619	0.694	0.442	B	A	0.631	0.402	B	A
ZELZAH AVE	San Jose	Hiawatha	2	2	1400	1400	1,162	865	0.830	0.618	D	B	0.755	0.562	C	A
ZELZAH AVE	Hiawatha	Devonshire	2	2	1400	1400	1,162	865	0.830	0.618	D	B	0.755	0.562	C	A
WHITE OAK AVE	Rinaldi	San Fern. Mission	2	2	1200	1200	565	56	0.471	0.047	A	A	0.428	0.042	A	A
WHITE OAK AVE	San Fern. Mission	Los Alimos	1	1	600	600	836	697	1.393	1.162	F	F	1.267	1.056	F	F
WHITE OAK AVE	Los Alimos	Chatsworth	1	1	600	600	719	832	1.198	1.387	F	F	1.089	1.261	F	F
WHITE OAK AVE	Chatsworth	Kingsbury	1	1	600	600	454	335	0.757	0.558	C	A	0.688	0.508	B	A
WHITE OAK AVE	Kingsbury	San Jose	1	1	600	600	454	335	0.757	0.558	C	A	0.688	0.508	B	A
WHITE OAK AVE	San Jose	Devonshire	2	2	1200	1200	168	163	0.140	0.136	A	A	0.127	0.123	A	A
MAYERLING ST	Rexbon	Lerdo	1	1	600	600	49	40	0.082	0.067	A	A	0.074	0.061	A	A
MAYERLING ST	Lerdo	Wood Ranch	1	1	600	600	49	40	0.082	0.067	A	A	0.074	0.061	A	A
MAYERLING ST	Wood Ranch	Jellico	1	1	600	600	24	22	0.040	0.037	A	A	0.036	0.033	A	A
MAYERLING ST	Jellico	Shoshone	1	1	600	600	24	22	0.040	0.037	A	A	0.036	0.033	A	A
DARYL AVE	Trosa	Bradford	1	1	600	600	50	25	0.083	0.042	A	A	0.076	0.038	A	A
MEADOWLARK AVE	Sesnon	Westbury	1	1	600	600	423	41	0.705	0.068	C	A	0.641	0.062	B	A
NUGENT DR	Westbury	Angelaine	1	1	600	600	485	91	0.808	0.152	D	A	0.735	0.138	C	A
NUGENT DR	Angelaine	Bradford	1	1	600	600	485	91	0.808	0.152	D	A	0.735	0.138	C	A
NUGENT DR	Bradford	Shoshone	1	1	600	600	572	176	0.953	0.293	E	A	0.867	0.267	D	A
SHOSHONE AVE	Nugent	Highwater	1	1	600	600	497	137	0.828	0.228	D	A	0.753	0.208	C	A
SHOSHONE AVE	Highwater	Mayerling	1	1	600	600	770	428	1.283	0.713	F	C	1.167	0.648	F	B
SHOSHONE AVE	Mayerling	Flanders	1	1	600	600	762	409	1.270	0.682	F	B	1.155	0.620	F	B
SHOSHONE AVE	Flanders	Rinaldi	1	1	600	600	762	409	1.270	0.682	F	B	1.155	0.620	F	B
TROSA ST	Jollette	Neon Way	1	1	600	600	31	49	0.052	0.082	A	A	0.047	0.074	A	A
JOLETTE AVE	Garris	Nanette	1	1	600	600	67	45	0.112	0.075	A	A	0.102	0.068	A	A
JOLETTE AVE	Nanette	Dorina	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Dorina	Darla	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Darla	Westbury	1	1	600	600	254	53	0.423	0.088	A	A	0.385	0.080	A	A
JOLETTE AVE	Westbury	Paulette	1	1	600	600	239	92	0.398	0.153	A	A	0.362	0.139	A	A
JOLETTE AVE	Paulette	Jeanine	1	1	600	600	258	173	0.430	0.288	A	A	0.391	0.262	A	A
JOLETTE AVE	Jeanine	Rosnick	1	1	600	600	258	173	0.430	0.288	A	A	0.391	0.262	A	A
JOLETTE AVE	Rosnick	Balboa	1	1	600	600	107	175	0.178	0.292	A	A	0.162	0.265	A	A
BRADFORD PL	Cascade Canyon	Nugent	1	1	600	600	26	28	0.043	0.047	A	A	0.039	0.042	A	A
BRADFORD PL	Nugent	Tilford	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Tilford	Firma	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Firma	Sunderland	1	1	600	600	60	37	0.100	0.062	A	A	0.091	0.056	A	A
BRADFORD PL	Sunderland	Bambi	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Bambi	Jeanette	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Jeanette	Dresden	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
BRADFORD PL	Dresden	Mindora	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A

APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BRADFORD PL	Mindora	Signature	1	1	600	600	290	5	0.483	0.008	A	A	0.439	0.008	A	A
EL ORO WAY	Rosnick	Ceredo	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
EL ORO WAY	Ceredo	Mandarin	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
EL ORO WAY	Mandarin	Signature	1	1	600	600	152	45	0.253	0.075	A	A	0.230	0.068	A	A
EL ORO WAY	Signature	Paso Robles	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
EL ORO WAY	Paso Robles	Midwood	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
EL ORO WAY	Midwood	Paso Robles	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
PASO ROBLES AVE	Midwood	Barneston	1	1	600	600	356	26	0.593	0.043	A	A	0.539	0.039	A	A
PASO ROBLES AVE	Barneston	Galesberg	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Galesberg	Lorillard	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Lorillard	Gunther	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
PASO ROBLES AVE	Gunther	Halsey	1	1	600	600	200	4	0.333	0.007	A	A	0.303	0.006	A	A
ENCINO AVE	Rinaldi	Kalisher	1	1	600	600	455	257	0.758	0.428	C	A	0.689	0.389	B	A
ENCINO AVE	Kalisher	Index	1	1	600	600	455	257	0.758	0.428	C	A	0.689	0.389	B	A
ENCINO AVE	Index	Donmetz	1	1	600	600	105	54	0.175	0.090	A	A	0.159	0.082	A	A
ENCINO AVE	Donmetz	Lahey	1	1	600	600	80	22	0.133	0.037	A	A	0.121	0.033	A	A
ENCINO AVE	Lahey	San Fern. Mission	1	1	600	600	80	22	0.133	0.037	A	A	0.121	0.033	A	A
ENCINO AVE	San Fern. Mission	Ludlow	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Ludlow	Horace	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Horace	Tulsa	1	1	600	600	108	31	0.180	0.052	A	A	0.164	0.047	A	A
ENCINO AVE	Tulsa	Tribune	1	1	600	600	257	80	0.428	0.133	A	A	0.389	0.121	A	A
ENCINO AVE	Tribune	Los Alimos	1	1	600	600	257	80	0.428	0.133	A	A	0.389	0.121	A	A
ENCINO AVE	Los Alimos	Chatsworth	1	1	600	600	311	132	0.518	0.220	A	A	0.471	0.200	A	A
ENCINO AVE	Chatsworth	Kingsbury	1	1	600	600	555	276	0.925	0.460	E	A	0.841	0.418	D	A
ENCINO AVE	Kingsbury	San Jose	1	1	600	600	109	88	0.182	0.147	A	A	0.165	0.133	A	A
ENCINO AVE	San Jose	Hiawatha	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
ENCINO AVE	Hiawatha	Blackhawk	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
ENCINO AVE	Blackhawk	Devonshire	1	1	600	600	485	465	0.808	0.775	D	C	0.735	0.705	C	C
LOUISE AVE	Nugent	Andasol	1	1	600	600	75	38	0.125	0.063	A	A	0.114	0.058	A	A
LOUISE AVE	Andasol	Signature	1	1	600	600	222	32	0.370	0.053	A	A	0.336	0.048	A	A
LOUISE AVE	Signature	Barneston Ct	1	1	600	600	438	91	0.730	0.152	C	A	0.664	0.138	B	A
LOUISE AVE	Barneston Ct	Mayerling	1	1	600	600	304	8	0.507	0.013	A	A	0.461	0.012	A	A
LOUISE AVE	Mayerling	Bircher	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Bircher	Flanders	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Flanders	Rinaldi	1	1	600	600	631	98	1.052	0.163	F	A	0.956	0.148	E	A
LOUISE AVE	Rinaldi	Index	2	1	1400	700	367	43	0.262	0.061	A	A	0.238	0.056	A	A
LOUISE AVE	Index	Lahey	2	1	1400	700	528	99	0.377	0.141	A	A	0.343	0.129	A	A
LOUISE AVE	Lahey	San Fern. Mission	2	1	1400	700	613	159	0.438	0.227	A	A	0.398	0.206	A	A
LOUISE AVE	San Fern. Mission	Los Alimos	1	1	700	700	766	259	1.094	0.370	F	A	0.995	0.336	E	A
LOUISE AVE	Los Alimos	Chatsworth	1	1	700	700	716	251	1.023	0.359	F	A	0.930	0.326	E	A
LOUISE AVE	Chatsworth	Kingsbury	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	Kingsbury	Germain	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	Germain	San Jose	2	2	1400	1400	688	270	0.491	0.193	A	A	0.447	0.175	A	A
LOUISE AVE	San Jose	Hiawatha	2	2	1400	1400	451	108	0.322	0.077	A	A	0.293	0.070	A	A
LOUISE AVE	Hiawatha	Devonshire	2	2	1400	1400	451	108	0.322	0.077	A	A	0.293	0.070	A	A
AMESTOY AVE	Index	Donmetz	2	1	1400	700	528	99	0.377	0.141	A	A	0.343	0.129	A	A
AMESTOY AVE	Donmetz	Lahey	2	1	1400	700	613	159	0.438	0.227	A	A	0.398	0.206	A	A
AMESTOY AVE	Lahey	Devonshire	1	1	700	700	766	259	1.094	0.370	F	A	0.995	0.336	E	A
BALBOA RD	San Fernando	Balboa Blvd	2	2	1400	1400	2,196	2,555	1.569	1.825	F	F	1.426	1.659	F	F
BALBOA BLVD	Foothill	Balboa Rd	3	2	2400	1600	2,381	487	0.992	0.304	E	A	0.902	0.277	E	A
BALBOA BLVD	Balboa Rd	Timber Ridge	2	2	1600	1600	3,827	2,291	2.392	1.432	F	F	2.174	1.302	F	F
BALBOA BLVD	Timber Ridge	Sesnon	2	2	1600	1600	3,827	2,291	2.392	1.432	F	F	2.174	1.302	F	F
BALBOA BLVD	Sesnon	Orozco	2	2	1600	1600	3,355	2,254	2.097	1.409	F	F	1.906	1.281	F	F
BALBOA BLVD	Orozco	Tennyson	2	2	1600	1600	3,355	2,254	2.097	1.409	F	F	1.906	1.281	F	F
BALBOA BLVD	Tennyson	Woodley	2	2	1600	1600	3,262	2,069	2.039	1.293	F	F	1.853	1.176	F	F
BALBOA BLVD	Woodley	Colven	2	2	1600	1600	3,305	2,322	2.066	1.451	F	F	1.878	1.319	F	F
BALBOA BLVD	Colven	Pineridge	2	2	1600	1600	3,253	2,191	2.033	1.369	F	F	1.848	1.245	F	F
BALBOA BLVD	Pineridge	Knollwood	2	2	1600	1600	3,356	2,342	2.098	1.464	F	F	1.907	1.331	F	F
BALBOA BLVD	Knollwood	Midwood	2	2	1600	1600	3,446	2,425	2.154	1.516	F	F	1.958	1.378	F	F
BALBOA BLVD	Midwood	Lorillard	2	2	1600	1600	3,405	2,498	2.128	1.561	F	F	1.935	1.419	F	F
BALBOA BLVD	Lorillard	Halsey	2	2	1600	1600	3,388	2,477	2.118	1.548	F	F	1.925	1.407	F	F



APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
BALBOA BLVD	Halsey	Rinaldi	2	2	1600	1600	3,588	2,480	2.243	1.550	F	F	2.039	1.409	F	F
BALBOA BLVD	Rinaldi	Index	2	2	1600	1600	3,394	2,737	2.121	1.711	F	F	1.928	1.555	F	F
BALBOA BLVD	Index	San Fern. Mission	2	2	1600	1600	1,973	1,599	1.233	0.999	F	E	1.121	0.909	F	E
BALBOA BLVD	San Fern. Mission	Tulsa	2	2	1600	1600	2,088	1,347	1.305	0.842	F	D	1.186	0.765	F	C
BALBOA BLVD	Tulsa	Los Alimos	2	2	1600	1600	1,895	1,284	1.184	0.803	F	D	1.077	0.730	F	C
BALBOA BLVD	Los Alimos	Chatsworth	2	2	1600	1600	1,895	1,284	1.184	0.803	F	D	1.077	0.730	F	C
BALBOA BLVD	Chatsworth	Kingsbury	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	Kingsbury	Germain	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	Germain	San Jose	2	2	1600	1600	1,967	1,358	1.229	0.849	F	D	1.118	0.772	F	C
BALBOA BLVD	San Jose	Blackhawk	2	2	1600	1600	1,911	1,036	1.194	0.648	F	B	1.086	0.589	F	A
BALBOA BLVD	Blackhawk	Devonshire	2	2	1600	1600	1,911	1,036	1.194	0.648	F	B	1.086	0.589	F	A
PETIT AVE	Tulsa	Tribune	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Tribune	Los Alimos	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Los Alimos	Chatsworth	1	1	600	600	3	33	0.005	0.055	A	A	0.005	0.050	A	A
PETIT AVE	Chatsworth	Kingsbury	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	Kingsbury	Germain	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	Germain	San Jose	1	1	600	600	50	22	0.083	0.037	A	A	0.076	0.033	A	A
PETIT AVE	San Jose	Minnehaha	1	1	600	600	31	7	0.052	0.012	A	A	0.047	0.011	A	A
PETIT AVE	Minnehaha	Blackhawk	1	1	600	600	31	7	0.052	0.012	A	A	0.047	0.011	A	A
PETIT AVE	Blackhawk	Devonshire	1	1	600	600	222	124	0.370	0.207	A	A	0.336	0.188	A	A
PETIT AVE	Devonshire	Romar	1	1	600	600	45	29	0.075	0.048	A	A	0.068	0.044	A	A
KNOLLWOOD DR	Pineridge	Sarazen	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Sarazen	Demaret	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Demaret	Susan	1	1	600	600	6	32	0.010	0.053	A	A	0.009	0.048	A	A
KNOLLWOOD DR	Susan	Balboa	1	1	600	600	181	103	0.302	0.172	A	A	0.274	0.156	A	A
GERALD AVE	Shamhart	Midwood	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
GERALD AVE	Midwood	Barneston	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
GERALD AVE	Barneston	Armstead	1	1	600	600	5	32	0.008	0.053	A	A	0.008	0.048	A	A
HAYVENHURST	Rinaldi	Simonds	2	2	1400	1400	799	196	0.571	0.140	A	A	0.519	0.127	A	A
HAYVENHURST	Simonds	Index	2	2	1400	1400	448	617	0.320	0.441	A	A	0.291	0.401	A	A
HAYVENHURST	Index	San Fern. Mission	2	2	1400	1400	1,375	401	0.982	0.286	E	A	0.893	0.260	D	A
HAYVENHURST	San Fern. Mission	Horace	2	2	1400	1400	1,601	683	1.144	0.488	F	A	1.040	0.444	F	A
HAYVENHURST	Horace	Tulsa	2	2	1400	1400	1,440	600	1.029	0.429	F	A	0.935	0.390	E	A
HAYVENHURST	Tulsa	Chatsworth	2	2	1400	1400	1,333	583	0.952	0.416	E	A	0.866	0.379	D	A
HAYVENHURST	Chatsworth	San Jose	2	2	1400	1400	1,041	286	0.744	0.204	C	A	0.676	0.186	B	A
HAYVENHURST	San Jose	Blackhawk	2	2	1400	1400	894	384	0.639	0.274	B	A	0.581	0.249	A	A
HAYVENHURST	Blackhawk	Devonshire	2	2	1400	1400	1,039	464	0.742	0.331	C	A	0.675	0.301	B	A
HAYVENHURST	Devonshire	Mayall	2	2	1400	1400	813	226	0.581	0.161	A	A	0.528	0.147	A	A
HAYVENHURST	Mayall	Vintage	2	2	1400	1400	813	226	0.581	0.161	A	A	0.528	0.147	A	A
HAYVENHURST	Vintage	Lassen	2	2	1400	1400	882	314	0.630	0.224	B	A	0.573	0.204	A	A
GOTHIC AVE	Woodley	Rinaldi	1	1	600	600	245	101	0.408	0.168	A	A	0.371	0.153	A	A
GOTHIC AVE	Rinaldi	Index	1	1	600	600	323	7	0.538	0.012	A	A	0.489	0.011	A	A
GOTHIC AVE	Index	Donmetz	1	1	600	600	323	7	0.538	0.012	A	A	0.489	0.011	A	A
GOTHIC AVE	Donmetz	Chatsworth	1	1	600	600	37	41	0.062	0.068	A	A	0.056	0.062	A	A
GOTHIC AVE	Chatsworth	Lassen	1	1	600	600	751	659	1.252	1.098	F	F	1.138	0.998	F	E
WOODLEY AVE	Balboa	McLennan	1	1	600	600	284	50	0.473	0.083	A	A	0.430	0.076	A	A
WOODLEY AVE	McLennan	Nanette	1	1	600	600	284	50	0.473	0.083	A	A	0.430	0.076	A	A
WOODLEY AVE	Nanette	Knollwood	1	1	600	600	284	35	0.473	0.058	A	A	0.430	0.053	A	A
WOODLEY AVE	Knollwood	Pineridge	1	1	600	600	284	35	0.473	0.058	A	A	0.430	0.053	A	A
WOODLEY AVE	Pineridge	Gerald	1	1	600	600	277	40	0.462	0.067	A	A	0.420	0.061	A	A
WOODLEY AVE	Gerald	Gothic	1	1	600	600	277	40	0.462	0.067	A	A	0.420	0.061	A	A
WOODLEY AVE	Gothic	Collett	1	1	600	600	208	28	0.347	0.047	A	A	0.315	0.042	A	A
WOODLEY AVE	Collett	Rinaldi	1	1	600	600	208	36	0.347	0.060	A	A	0.315	0.055	A	A
WOODLEY AVE	Rinaldi	Simonds	2	2	1600	1600	791	455	0.494	0.284	A	A	0.449	0.259	A	A
WOODLEY AVE	Simonds	Index	2	2	1600	1600	770	452	0.481	0.283	A	A	0.438	0.257	A	A
WOODLEY AVE	Index	San Fern. Mission	2	2	1600	1600	1,092	459	0.683	0.287	B	A	0.620	0.261	B	A
WOODLEY AVE	San Fern. Mission	Horace	2	2	1600	1600	968	316	0.605	0.198	B	A	0.550	0.180	A	A
WOODLEY AVE	Horace	Tulsa	2	2	1600	1600	1,030	345	0.644	0.216	B	A	0.585	0.196	A	A
WOODLEY AVE	Tulsa	Chatsworth	2	2	1600	1600	1,543	518	0.964	0.324	E	A	0.877	0.294	D	A
WOODLEY AVE	Chatsworth	San Jose	2	2	1600	1600	1,963	1,140	1.227	0.713	F	C	1.115	0.648	F	B
WOODLEY AVE	San Jose	Devonshire	2	2	1600	1600	1,568	779	0.980	0.487	E	A	0.891	0.443	D	A

APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
WOODLEY AVE	Devonshire	Mayall	2	2	1600	1600	1,452	813	0.908	0.508	E	A	0.825	0.462	D	A
WOODLEY AVE	Mayall	Lassen	2	2	1600	1600	1,588	762	0.993	0.476	E	A	0.902	0.433	E	A
GAYNOR AVE	Rinaldi	Chatsworth	1	1	600	600	95	132	0.158	0.220	A	A	0.144	0.200	A	A
GAYNOR AVE	Chatsworth	Kingsbury	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
MONTGOMERY AVE	Kingsbury	San Jose	1	1	600	600	28	36	0.047	0.060	A	A	0.042	0.055	A	A
MONTGOMERY AVE	San Jose	Blackhawk	1	1	600	600	73	71	0.122	0.118	A	A	0.111	0.108	A	A
MONTGOMERY AVE	Blackhawk	Devonshire	1	1	600	600	111	84	0.185	0.140	A	A	0.168	0.127	A	A
MONTGOMERY AVE	Devonshire	Tuba	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
MONTGOMERY AVE	Tuba	Lemarsh	1	1	600	600	7	7	0.012	0.012	A	A	0.011	0.011	A	A
MONTGOMERY AVE	Lemarsh	Mayall	1	1	600	600	48	37	0.080	0.062	A	A	0.073	0.056	A	A
MONTGOMERY AVE	Mayall	Septo	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
MONTGOMERY AVE	Septo	Lassen	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Rinaldi	Index	2	2	1400	1400	438	155	0.313	0.111	A	A	0.284	0.101	A	A
HASKELL AVE	Index	Lahey	2	2	1400	1400	213	157	0.152	0.112	A	A	0.138	0.102	A	A
HASKELL AVE	Lahey	San Fern. Mission	2	2	1400	1400	213	157	0.152	0.112	A	A	0.138	0.102	A	A
HASKELL AVE	San Fern. Mission	Tulsa	2	2	1400	1400	410	294	0.293	0.210	A	A	0.266	0.191	A	A
HASKELL AVE	Tulsa	Bermuda	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Bermuda	Los Alimos	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Los Alimos	Chatsworth	2	2	1400	1400	496	299	0.354	0.214	A	A	0.322	0.194	A	A
HASKELL AVE	Chatsworth	Kingsbury	2	2	1400	1400	816	334	0.583	0.239	A	A	0.530	0.217	A	A
HASKELL AVE	Kingsbury	San Jose	2	2	1400	1400	816	334	0.583	0.239	A	A	0.530	0.217	A	A
HASKELL AVE	San Jose	Devonshire	2	2	1400	1400	518	338	0.370	0.241	A	A	0.336	0.219	A	A
HASKELL AVE	Devonshire	Tuba	2	2	1400	1400	864	302	0.617	0.216	B	A	0.561	0.196	A	A
HASKELL AVE	Tuba	Lemarsh	2	2	1400	1400	864	302	0.617	0.216	B	A	0.561	0.196	A	A
HASKELL AVE	Lemarsh	Mayall	2	2	1400	1400	792	214	0.566	0.153	A	A	0.514	0.139	A	A
HASKELL AVE	Mayall	Stare	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Stare	Septo	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
HASKELL AVE	Septo	Lassen	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
SAN FERNANDO RD	Sierra Hwy	Ranch Rd	2	2	1600	1600	3,938	1,452	2.461	0.908	F	E	2.238	0.825	F	D
SAN FERNANDO RD	Ranch Rd	Balboa	2	2	1600	1600	2,298	3,933	1.436	2.458	F	F	1.306	2.235	F	F
SAN FERNANDO RD	Balboa	Sepulveda	2	2	1600	1600	667	2,661	0.417	1.663	A	F	0.379	1.512	A	F
SEPULVEDA BLVD (north link)	San Fernando	Roxford	2	2	1600	1600	1,238	346	0.774	0.216	C	A	0.703	0.197	C	A
SEPULVEDA BLVD (south link)	San Fernando	Roxford	1	1	800	800	1,326	452	1.658	0.565	F	A	1.507	0.514	F	A
SESNON BLVD	Cascade Canyon	Marcus	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Marcus	Neon	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Neon	Jollette	1	1	800	800	108	145	0.135	0.181	A	A	0.123	0.165	A	A
SESNON BLVD	Jollette	Bronte	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Bronte	Tuscan	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Tuscan	Meadowlark	1	1	800	800	40	39	0.050	0.049	A	A	0.045	0.044	A	A
SESNON BLVD	Meadowlark	Orozco	1	1	800	800	468	39	0.585	0.049	A	A	0.532	0.044	A	A
SESNON BLVD	Orozco	Constable	1	1	800	800	471	36	0.589	0.045	A	A	0.535	0.041	A	A
SESNON BLVD	Constable	Balboa	1	1	800	800	471	36	0.589	0.045	A	A	0.535	0.041	A	A
LISETTE ST	Jollette	Jimeno	1	1	600	600	227	48	0.378	0.080	A	A	0.344	0.073	A	A
LISETTE ST	Jimeno	Balboa	1	1	600	600	318	392	0.530	0.653	A	B	0.482	0.594	A	A
WESTBURY DR	Daryl	Henzie	1	1	600	600	4	26	0.007	0.043	A	A	0.006	0.039	A	A
WESTBURY DR	Henzie	Byron	1	1	600	600	4	26	0.007	0.043	A	A	0.006	0.039	A	A
WESTBURY DR	Byron	Lithuania	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
WESTBURY DR	Lithuania	El Oro	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
WESTBURY DR	El Oro	Balboa	1	1	600	600	66	91	0.110	0.152	A	A	0.100	0.138	A	A
ROS NICK PL	El Oro	McLennan	1	1	600	600	152	28	0.253	0.047	A	A	0.230	0.042	A	A
PINERIDGE DR	McLennan	Kenny	1	1	600	600	69	49	0.115	0.082	A	A	0.105	0.074	A	A
PINERIDGE DR	Kenny	Catenia	1	1	600	600	42	43	0.070	0.072	A	A	0.064	0.065	A	A
PINERIDGE DR	Catenia	Knollwood	1	1	600	600	42	43	0.070	0.072	A	A	0.064	0.065	A	A
PINERIDGE DR	Knollwood	Woodley	1	1	600	600	6	50	0.010	0.083	A	A	0.009	0.076	A	A
SIGNATURE DR	Louise	El Oro	1	1	600	600	28	206	0.047	0.343	A	A	0.042	0.312	A	A
REX BON RD	Zelzah	Mayerling	1	1	600	600	41	27	0.068	0.045	A	A	0.062	0.041	A	A
MIDWOOD DR	El Oro	Balboa	1	1	600	600	147	86	0.245	0.143	A	A	0.223	0.130	A	A
SHAMHART DR	Knollwood	Woodley	1	1	600	600	103	181	0.172	0.302	A	A	0.156	0.274	A	A
MAYERLING ST	Shoshone	Babbitt	1	1	600	600	16	7	0.027	0.012	A	A	0.024	0.011	A	A
BARNESTON ST	Louise	Paso Robles	1	1	600	600	207	12	0.345	0.020	A	A	0.314	0.018	A	A
ARMSTEAD ST	Gerald	Gothic	1	1	600	600	34	29	0.057	0.048	A	A	0.052	0.044	A	A

APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
ARMSTEAD ST	Gothic	Woodley	1	1	600	600	42	40	0.070	0.067	A	A	0.064	0.061	A	A
RINALDI ST	Chimineas	Zelzah	2	2	1600	1600	1,959	1,602	1.224	1.001	F	F	1.113	0.910	F	E
RINALDI ST	Zelzah	Yarmouth	2	2	1600	1600	1,963	1,224	1.227	0.765	F	C	1.115	0.695	F	B
RINALDI ST	Yarmouth	Rancho Del Valle	2	2	1600	1600	1,859	1,229	1.162	0.768	F	C	1.056	0.698	F	B
RINALDI ST	Rancho Del Valle	Ridge Way	2	2	1600	1600	1,869	1,122	1.168	0.701	F	C	1.062	0.638	F	B
RINALDI ST	Ridge Way	Shoshone	2	2	1600	1600	1,869	1,122	1.168	0.701	F	C	1.062	0.638	F	B
RINALDI ST	Shoshone	Andasol	2	2	1600	1600	1,365	972	0.853	0.608	D	B	0.776	0.552	C	A
RINALDI ST	Andasol	Louise	2	2	1600	1600	1,109	517	0.693	0.323	B	A	0.630	0.294	B	A
RINALDI ST	Louise	Babbitt	2	2	1600	1600	894	514	0.559	0.321	A	A	0.508	0.292	A	A
RINALDI ST	Babbitt	Amestoy	2	2	1600	1600	894	514	0.559	0.321	A	A	0.508	0.292	A	A
RINALDI ST	Amestoy	Balboa	2	2	1600	1600	841	731	0.526	0.457	A	A	0.478	0.415	A	A
RINALDI ST	Balboa	Ruffner	2	2	1600	1600	894	1,234	0.559	0.771	A	C	0.508	0.701	A	C
RINALDI ST	Ruffner	Hayvenhurst	2	2	1600	1600	990	1,246	0.619	0.779	B	C	0.563	0.708	A	C
RINALDI ST	Hayvenhurst	Odesa	2	2	1600	1600	1,320	973	0.825	0.608	D	B	0.750	0.553	C	A
RINALDI ST	Odesa	Swinton	2	2	1600	1600	1,568	1,049	0.980	0.656	E	B	0.891	0.596	D	A
RINALDI ST	Swinton	Woodley	2	2	1600	1600	1,474	1,082	0.921	0.676	E	B	0.838	0.615	D	B
RINALDI ST	Woodley	Gaynor	2	2	1600	1600	1,904	1,382	1.190	0.864	F	D	1.082	0.785	F	C
RINALDI ST	Gaynor	Haskell	2	2	1600	1600	1,907	1,382	1.192	0.864	F	D	1.084	0.785	F	C
RINALDI ST	Haskell	Blucher	2	2	1600	1600	2,346	1,536	1.466	0.960	F	E	1.333	0.873	F	D
RINALDI ST	Blucher	405 Fwy	2	2	1600	1600	2,368	1,564	1.480	0.978	F	E	1.345	0.889	F	D
INDEX ST	Yarmouth	Aldea	1	1	600	600	714	468	1.190	0.780	F	C	1.082	0.709	F	C
INDEX ST	Aldea	Amestoy	1	1	600	600	625	275	1.042	0.458	F	A	0.947	0.417	E	A
INDEX ST	Amestoy	Balboa	1	1	600	600	626	275	1.043	0.458	F	A	0.948	0.417	E	A
INDEX ST	Balboa	McLennan	1	1	600	600	412	138	0.687	0.230	B	A	0.624	0.209	B	A
INDEX ST	McLennan	Ruffner	1	1	600	600	408	112	0.680	0.187	B	A	0.618	0.170	B	A
INDEX ST	Ruffner	Danube	1	1	600	600	321	170	0.535	0.283	A	A	0.486	0.258	A	A
SAN FERNANDO MISSION	Chimineas	Lindley	2	2	1400	1400	1,034	621	0.739	0.444	C	A	0.671	0.403	B	A
SAN FERNANDO MISSION	Lindley	Zelzah	1	1	700	700	1,027	572	1.467	0.817	F	D	1.334	0.743	F	C
SAN FERNANDO MISSION	Zelzah	Yarmouth	1	1	700	700	966	589	1.380	0.841	F	D	1.255	0.765	F	C
SAN FERNANDO MISSION	Yarmouth	Shoshone	1	1	700	700	876	629	1.251	0.899	F	D	1.138	0.817	F	D
SAN FERNANDO MISSION	Shoshone	Encino	1	1	700	700	817	626	1.167	0.894	F	D	1.061	0.813	F	D
SAN FERNANDO MISSION	Encino	Andasol	1	1	700	700	825	615	1.179	0.879	F	D	1.071	0.799	F	C
SAN FERNANDO MISSION	Andasol	Louise	1	1	700	700	826	615	1.180	0.879	F	D	1.073	0.799	F	C
SAN FERNANDO MISSION	Louise	Amestoy	2	2	1400	1400	1,143	938	0.816	0.670	D	B	0.742	0.609	C	B
SAN FERNANDO MISSION	Amestoy	Paso Robles	2	2	1400	1400	1,239	1,024	0.885	0.731	D	C	0.805	0.665	D	B
SAN FERNANDO MISSION	Paso Robles	Balboa	2	2	1400	1400	1,239	1,024	0.885	0.731	D	C	0.805	0.665	D	B
SAN FERNANDO MISSION	Balboa	Petit	2	2	1400	1400	1,268	687	0.906	0.491	E	A	0.823	0.446	D	A
SAN FERNANDO MISSION	Petit	Ruffner	2	2	1400	1400	1,268	687	0.906	0.491	E	A	0.823	0.446	D	A
SAN FERNANDO MISSION	Ruffner	Gerald	2	2	1400	1400	1,172	692	0.837	0.494	D	A	0.761	0.449	C	A
SAN FERNANDO MISSION	Gerald	Hayvenhurst	2	2	1400	1400	1,172	692	0.837	0.494	D	A	0.761	0.449	C	A
SAN FERNANDO MISSION	Hayvenhurst	Monogram	2	2	1400	1400	1,097	673	0.784	0.481	C	A	0.712	0.437	C	A
SAN FERNANDO MISSION	Monogram	Gothic	2	2	1400	1400	1,097	673	0.784	0.481	C	A	0.712	0.437	C	A
SAN FERNANDO MISSION	Gothic	Haskell	1	1	700	700	773	665	1.104	0.950	F	E	1.004	0.864	F	D
SAN FERNANDO MISSION	Haskell	Danube	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
SAN FERNANDO MISSION	Danube	Blucher	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
SAN FERNANDO MISSION	Blucher	405 Fwy	1	1	700	700	823	712	1.176	1.017	F	F	1.069	0.925	F	E
TULSA ST	Lindley	Louise	1	1	600	600	588	543	0.980	0.905	E	E	0.891	0.823	D	D
TULSA ST	Louise	Paso Robles	1	1	600	600	500	298	0.833	0.497	D	A	0.758	0.452	C	A
TULSA ST	Paso Robles	Balboa	1	1	600	600	559	335	0.932	0.558	E	A	0.847	0.508	D	A
TULSA ST	Balboa	Hayvenhurst	1	1	600	600	271	172	0.452	0.287	A	A	0.411	0.261	A	A
TULSA ST	Hayvenhurst	Monogram	1	1	600	600	29	37	0.048	0.062	A	A	0.044	0.056	A	A
TULSA ST	Monogram	Gothic	1	1	600	600	29	37	0.048	0.062	A	A	0.044	0.056	A	A
JONFIN ST	Gothic	end	1	1	600	600	50	46	0.083	0.077	A	A	0.076	0.070	A	A
CHATSWORTH ST	Etiwanda	Lindley	2	2	1400	1400	1,758	1,862	1.256	1.330	F	F	1.142	1.209	F	F
CHATSWORTH ST	Lindley	Zelzah	2	2	1400	1400	1,688	1,898	1.206	1.356	F	F	1.096	1.232	F	F
CHATSWORTH ST	Zelzah	Yarmouth	1	1	700	700	719	839	1.027	1.199	F	F	0.934	1.090	E	F
CHATSWORTH ST	Yarmouth	White Oak	1	1	700	700	719	839	1.027	1.199	F	F	0.934	1.090	E	F
CHATSWORTH ST	White Oak	Shoshone	1	1	700	700	411	302	0.587	0.431	A	A	0.534	0.392	A	A
CHATSWORTH ST	Shoshone	Encino	1	1	700	700	411	302	0.587	0.431	A	A	0.534	0.392	A	A
CHATSWORTH ST	Encino	Andasol	1	1	700	700	640	432	0.914	0.617	E	B	0.831	0.561	D	A
CHATSWORTH ST	Andasol	Louise	1	1	700	700	640	432	0.914	0.617	E	B	0.831	0.561	D	A

APPENDIX A-10 PROPOSED PLAN WITH TIMP

Note: Bold street name shows street as east/west

Segment	From	To	Lanes		Capacity		Volumes		V/C Ratio Without ATSAC		Level of Service W/O ATSAC		V/C Ratio With ATSAC		Level of Service With ATSAC	
			N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W	N/E	S/W
CHATSWORTH ST	Louise	Aldea	1	1	700	700	791	630	1.130	0.900	F	E	1.027	0.818	F	D
CHATSWORTH ST	Aldea	Genesta	2	2	1400	1400	1,141	682	0.815	0.487	D	A	0.741	0.443	C	A
CHATSWORTH ST	Genesta	Balboa	2	2	1400	1400	1,091	750	0.779	0.536	C	A	0.708	0.487	C	A
CHATSWORTH ST	Balboa	Petit	2	2	1400	1400	1,119	780	0.799	0.557	C	A	0.727	0.506	C	A
CHATSWORTH ST	Petit	Hayvenhurst	2	2	1400	1400	1,095	733	0.782	0.524	C	A	0.711	0.476	C	A
CHATSWORTH ST	Hayvenhurst	Debra	2	2	1400	1400	1,076	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Debra	Gothic	2	2	1400	1400	1,076	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Gothic	Swinton	2	2	1400	1400	1,077	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Swinton	Woodley	2	2	1400	1400	1,077	710	0.769	0.507	C	A	0.699	0.461	B	A
CHATSWORTH ST	Woodley	Gaviota	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Gaviota	Gaynor	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Gaynor	Haskell	2	2	1400	1400	943	774	0.674	0.553	B	A	0.612	0.503	B	A
CHATSWORTH ST	Haskell	Aqueduct	2	2	1400	1400	1,268	813	0.906	0.581	E	A	0.823	0.528	D	A
CHATSWORTH ST	Aqueduct	405 Fwy	2	2	1400	1400	1,268	813	0.906	0.581	E	A	0.823	0.528	D	A
SAN JOSE ST	Zelzah	Yarmouth	1	1	600	600	481	534	0.802	0.890	D	D	0.729	0.809	C	D
SAN JOSE ST	Yarmouth	Jellico	1	1	600	600	781	949	1.302	1.582	F	F	1.183	1.438	F	F
SAN JOSE ST	Jellico	Shoshone	1	1	600	600	766	672	1.277	1.120	F	F	1.161	1.018	F	F
SAN JOSE ST	Shoshone	Encino	1	1	600	600	766	672	1.277	1.120	F	F	1.161	1.018	F	F
SAN JOSE ST	Encino	Bianca	1	1	600	600	653	560	1.088	0.933	F	E	0.989	0.848	E	D
SAN JOSE ST	Bianca	Andasol	1	1	600	600	653	560	1.088	0.933	F	E	0.989	0.848	E	D
SAN JOSE ST	Andasol	Genesta	1	1	600	600	687	668	1.145	1.113	F	F	1.041	1.012	F	F
SAN JOSE ST	Genesta	Balboa	1	1	600	600	456	412	0.760	0.687	C	B	0.691	0.624	B	B
SAN JOSE ST	Balboa	Danube	1	1	600	600	484	210	0.807	0.350	D	A	0.733	0.318	C	A
DEVONSHIRE ST	Etiwanda	Zelzah	3	2	2400	1600	1,674	1,380	0.698	0.863	B	D	0.634	0.784	B	C
DEVONSHIRE ST	Lindley	Zelzah	3	2	2400	1600	1,674	1,380	0.698	0.863	B	D	0.634	0.784	B	C
DEVONSHIRE ST	Zelzah	White Oak	2	2	1600	1600	1,031	695	0.644	0.434	B	A	0.586	0.395	A	A
DEVONSHIRE ST	White Oak	Encino	2	2	1600	1600	835	333	0.522	0.208	A	A	0.474	0.189	A	A
DEVONSHIRE ST	Encino	Andasol	2	2	1600	1600	1,118	650	0.699	0.406	B	A	0.635	0.369	B	A
DEVONSHIRE ST	Andasol	Louise	2	2	1600	1600	1,118	650	0.699	0.406	B	A	0.635	0.369	B	A
DEVONSHIRE ST	Louise	Amestoy	2	3	1600	2400	1,042	481	0.651	0.200	B	A	0.592	0.182	A	A
DEVONSHIRE ST	Amestoy	Balboa	2	3	1600	2400	1,386	753	0.866	0.314	D	A	0.788	0.285	C	A
DEVONSHIRE ST	Balboa	Petit	3	3	2400	2400	1,052	537	0.438	0.224	A	A	0.398	0.203	A	A
DEVONSHIRE ST	Petit	Ruffner	3	3	2400	2400	830	411	0.346	0.171	A	A	0.314	0.156	A	A
DEVONSHIRE ST	Ruffner	Hayvenhurst	3	3	2400	2400	830	411	0.346	0.171	A	A	0.314	0.156	A	A
DEVONSHIRE ST	Hayvenhurst	Gothic	2	2	1600	1600	1,433	1,002	0.896	0.626	D	B	0.814	0.569	D	A
DEVONSHIRE ST	Gothic	Woodley	1	1	800	800	749	533	0.936	0.666	E	B	0.851	0.606	D	B
DEVONSHIRE ST	Woodley	Montgomery	1	1	800	800	748	683	0.935	0.854	E	D	0.850	0.776	D	C
DEVONSHIRE ST	Montgomery	Densmore	1	1	800	800	827	786	1.034	0.983	F	E	0.940	0.893	E	D
DEVONSHIRE ST	Densmore	Haskell	1	1	800	800	827	786	1.034	0.983	F	E	0.940	0.893	E	D
DEVONSHIRE ST	Haskell	Aqueduct	1	1	800	800	1,410	1,081	1.763	1.351	F	F	1.602	1.228	F	F
DEVONSHIRE ST	Aqueduct	Blucher	1	1	800	800	1,410	1,081	1.763	1.351	F	F	1.602	1.228	F	F
DEVONSHIRE ST	Blucher	405 Fwy	3	3	2400	2400	1,410	1,072	0.588	0.447	A	A	0.534	0.406	A	A
MAYALL ST	Balboa	end	1	1	600	600	379	317	0.632	0.528	B	A	0.574	0.480	A	A
MAYALL ST	Ruffner	Odessa	1	1	600	600	49	44	0.082	0.073	A	A	0.074	0.067	A	A
MAYALL ST	Gothic	Haskell	1	1	600	600	393	135	0.655	0.225	B	A	0.595	0.205	A	A
LASSEN ST	Balboa	Whitaker	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Whitaker	Petit	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Petit	Ruffner	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Ruffner	Hayvenhurst	2	2	1400	1400	1,514	1,062	1.081	0.759	F	C	0.983	0.690	E	B
LASSEN ST	Hayvenhurst	Monogram	2	2	1400	1400	1,562	1,246	1.116	0.890	F	D	1.014	0.809	F	D
LASSEN ST	Monogram	Gothic	2	2	1400	1400	1,562	1,246	1.116	0.890	F	D	1.014	0.809	F	D
LASSEN ST	Gothic	Woodley	2	2	1400	1400	1,237	1,197	0.884	0.855	D	D	0.803	0.777	D	C
LASSEN ST	Woodley	Montgomery	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Montgomery	Gloria	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Gloria	Haskell	2	2	1400	1400	1,412	1,407	1.009	1.005	F	F	0.917	0.914	E	E
LASSEN ST	Haskell	Aqueduct	2	2	1400	1400	1,413	1,264	1.009	0.903	F	E	0.918	0.821	E	D
LASSEN ST	Aqueduct	405 Fwy	2	2	1400	1400	1,413	1,264	1.009	0.903	F	E	0.918	0.821	E	D

Total Links

362

362

724

Weighted V/C

