Appendix M

Traffic Analysis

Single-Family Residential Hauled Water Initiative for New Development:

Traffic Analysis

Prepared for:
Sapphos Environmental, Inc.

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LA14-2680

FEHR PEERS
Improving Communities Since 1985

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I. INTRODUCTION

This traffic impact report evaluates the potential for the implementation of the Single-Family Residential Hauled Water Initiative for New Development (proposed project) to result in transportation and traffic impacts in North Los Angeles County's unincorporated areas (study area). The study area consists of unincorporated land outside of existing water districts and outside of incorporated city planning areas, such as the Cities of Palmdale, Lancaster, and Santa Clarita. The study was conducted by Fehr & Peers in support of the Environmental Impact Report (EIR) for the Hauled Water Initiative.

PROJECT DESCRIPTION

The Los Angeles County Board of Supervisors has directed the consideration of a proposed ordinance that would allow hauled water as the primary source of potable water for new development of single-family residences on existing vacant legal lots, or lots that are eligible for a certificate of compliance, where the property owner has demonstrated that there is no other feasible source of private or municipal potable water, or capability of developing an on-site well to provide potable water to the property, and only if the property lies outside of the boundaries of the local private and municipal water districts. The ordinance is proposed for parcels that are larger than 2,000 square feet, with slopes under 50 percent (26.6 degrees). All criteria would need to be met at the effective date of the ordinance. The term vacant is used as identified by the County Assessor. The ordinance would be applicable solely to the unincorporated areas of Los Angeles County.

In order to determine which areas would be subject to the proposed initiative, Los Angeles County developed a geographic information system (GIS) suitability model in 2012 based on five criteria defined by the Task Force:

- Parcels located in the unincorporated territory of Los Angeles County
- Vacant parcels
- Parcels located in areas where there is no designated water purveyor
- Zoning and General Plan designation that allow for development of a single-family residence
- Parcel size >2,000 square feet with slopes under 50 percent (26.6 degrees)

The model was re-run in 2015 to incorporate the recently adopted Antelope Valley Town and Country Plan and General Plan amendment.

While the proposed initiative would be County-wide, the area that would be potentially eligible for the consideration of the use of hauled water consists of 42,867 parcels, wholly located in within the 2015 boundaries of the 5th Supervisorial District, in the unincorporated territory of Los Angeles County, as shown in Figure 1. The combined land area covered by the proposed initiative is approximately 340,461 acres or approximately 532 square miles.

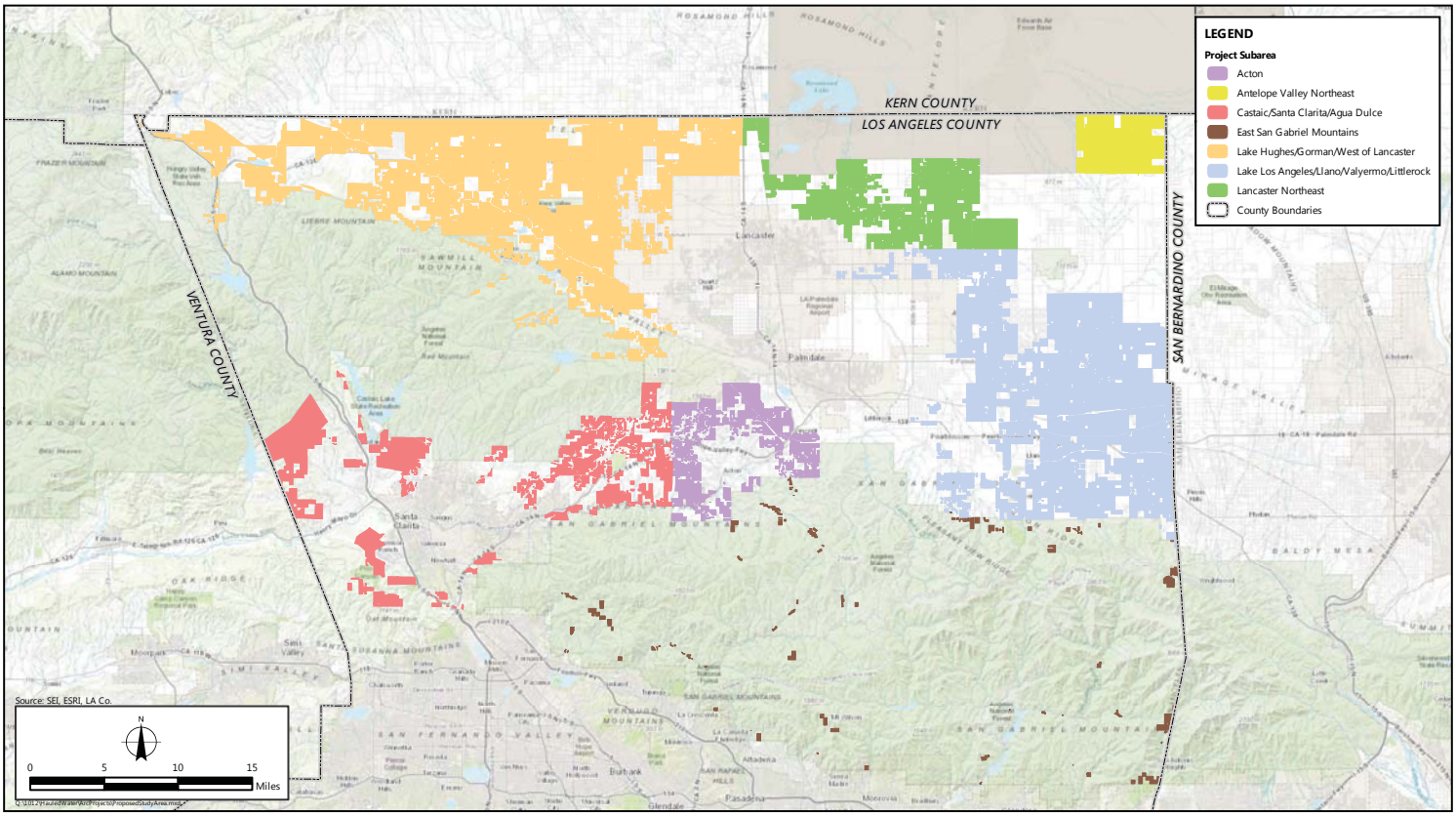
The parcels that would potentially be eligible for the use of hauled water are located in the northern one-third of Los Angeles County, including areas located in the San Gabriel Mountains, in the Antelope Valley; areas located northeast of the City of Santa Clarita, north and south of State Route 14; areas that are southwest of the City of Palmdale in the communities of Agua Dulce and Acton. The subject parcels have been categorized into seven subareas:

1. Lake Hughes/Gorman/West of Lancaster – The Lake Hughes/Gorman/West of Lancaster subarea is located in an area generally located west of State Highway 14 and north of the Angeles National Forest. This subarea consists of 15,166 parcels and encompasses approximately 195.4 square miles (125,041.4 acres). State Highway 138 bisects the subarea in an east-west direction, and State Highway 14 forms the eastern boundary of this subarea. This subarea is adjacent to the northwestern edge of the incorporated City of Lancaster.

2. Lancaster Northeast – The Lancaster Northeast subarea is located in an area generally east of State Highway 14 and north of East Avenue J. This subarea consists of 6,794 parcels and encompasses approximately 55.2 square miles (35,324.90 acres). State Highway 14 forms the western boundary and East Avenue J forms the southern boundary of this subarea. Edwards Air Force Base is located north of the study area. This subarea is adjacent to the northeastern edge of the incorporated City of Lancaster.

3. Antelope Valley Northeast – The Antelope Valley Northeast subarea is located in an area generally located north of East Avenue E and east of 165th Street East in the far northeastern portion of Los Angeles County. This subarea consists of 1,938 parcels and encompasses approximately 22.7 square miles (14,528.23 acres). This subarea is relatively isolated and is located in the northeastern area of Los Angeles County. This subarea is located approximately 10.9 miles northeast of the incorporated City of Palmdale and approximately 11.3 miles northeast of the incorporated City of Lancaster.

4. Lake Los Angeles/Llano/Valyermo/Littlerock – The Lake Los Angeles/Llano/Valyermo/Littlerock subarea is located in an area generally south of East Avenue J, east of 47th Street East. This subarea consists of 14,822 parcels and encompasses approximately 168.8 square miles (108,067.33 acres). Avenue J forms the northern boundary, the Cities of Palmdale and Lancaster form the western boundary, and the San Bernardino County line forms the eastern boundary of this subarea. This subarea is adjacent to the eastern edge of the incorporated City of Palmdale.



NORTH

Figure 1

Study Area

5. Acton – The Acton subarea is located in an area generally east of Hubbard Road and West of 47th Street East. This subarea consists of 1,246 parcels and encompasses approximately 28.2 square miles (18,067.22 acres). The Angeles National Forest is located to the north and south of the subarea. This subarea is adjacent to the southwestern edge of the incorporated City of Palmdale.

6. Castaic/Santa Clarita/Agua Dulce – The Castaic/Santa Clarita/Agua Dulce subarea is located generally west of Hubbard Road and north of the 210 Freeway, excluding Kagel Canyon. This subarea consists of 2,243 parcels and encompasses approximately 55.2 square miles (35,340.2 acres). This subarea is adjacent to the northern, western, and southern edges of the incorporated City of Santa Clarita and the northern edge of the incorporated City of Los Angeles.

7. East San Gabriel Mountains – The East San Gabriel Mountains subarea consists of parcels generally located within the Angeles National Forest east of State Highway 14, north of the 210 freeway, south of the Pearblossom Highway, and west of the San Bernardino County line. This subarea consists of 658 parcels and encompasses approximately 6.4 square miles (4,092.26 acres). This subarea is adjacent to the northern edges of the San Gabriel and San Fernando Valleys.

STUDY SCOPE

The scope of work for this study was determined in consultation with the Los Angeles County Department of Public Works, Traffic and Lighting Division (LACDPW, TLD) following direct outreach to Caltrans and the Cities of Lancaster, Palmdale, Santa Clarita and Los Angeles. The study analyzed the potential project-generated traffic impacts on the street and highway system throughout the unincorporated areas of Northern Los Angeles County near the proposed developable parcels. The following traffic scenarios were analyzed in the study:

- Existing Year (2015) Conditions – The analysis of existing traffic conditions provided a basis for the remainder of the study. The existing conditions analysis included an assessment of streets, traffic volumes and operating conditions.

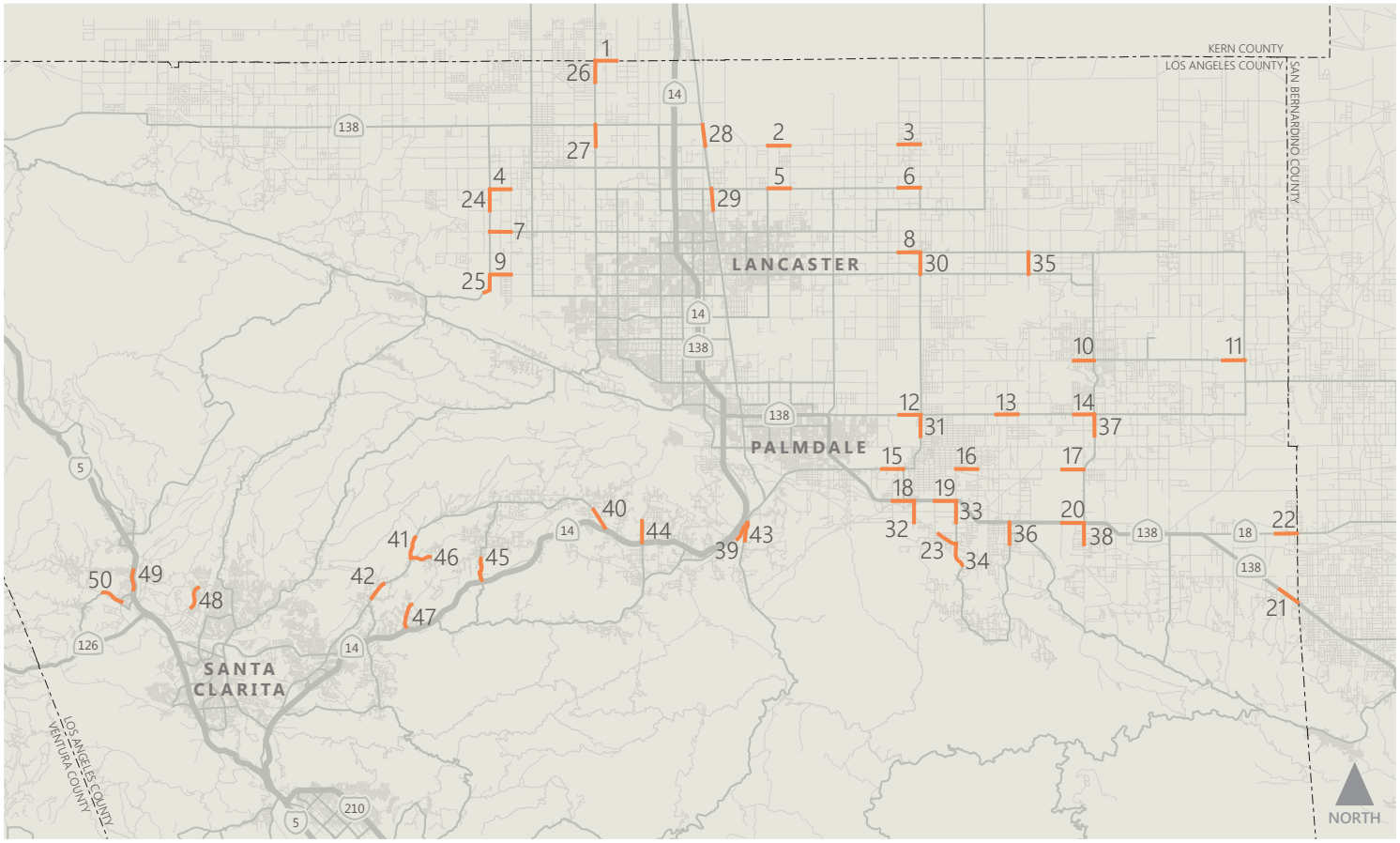
- Existing Year (2015) plus Project Conditions – This traffic scenario provides forecasts of traffic volumes and an assessment of operating conditions under baseline conditions with the addition of project generated traffic. The impacts of the proposed Project on baseline traffic operating conditions were then identified.

- Horizon Year (2035) Conditions – Future traffic projections without the proposed Project were developed for the year 2035. The objective of this analysis was to project future traffic growth and operating conditions that could be expected to result from regional growth and related projects in the vicinity of the study area by the year 2035. This scenario is consistent with the land use and network in the Antelope Valley Area Plan (Town & Country) Update.

- Horizon Year (2035) plus Project Conditions – This traffic scenario provides projected traffic volumes and an assessment of operating conditions under future conditions with the addition of project-generated traffic. Outside of the study area, land use and roadway network assumptions are consistent with Horizon Year Conditions. The impacts of the proposed Project on future traffic operating conditions were then identified.

The potential for project impacts was evaluated for daily weekday conditions along 50 roadway segments in the study area. The analysis locations are shown in Figure 2 and are listed below. The highways and streets in the study area are under the jurisdiction of the County of Los Angeles. Freeways and one conventional highway (SR-138) are under the jurisdiction of the California Department of Transportation (Caltrans).

1. West Avenue A east of 60th Street W
2. East Avenue E west of 30th Street E
3. East Avenue E west of 90th Street E
4. West Avenue G east of 110th Street W
5. East Avenue G west of 30th Street E
6. East Avenue G west of 90th Street E
7. West Avenue I east of 110th Street W
8. East Avenue J west of 90th Street E
9. West Avenue K east of 110th Street W
10. East Avenue O west of 170th Street E
11. East Avenue O west of 240th Street E
12. East Palmdale Boulevard west of 90th Street E
13. East Palmdale Boulevard west of Longview Road
14. East Palmdale Boulevard west of 170th Street E
15. East Avenue T west of 87th Street E
16. East Avenue T west of 116th Street E
17. East Avenue T west of 165th Street E
18. State Route 138 west of 87th Street E
19. State Route 138 west of 106th Street E
20. State Route 138 west of 165th Street E
21. State Route 138 west of 263rd Street E
22. State Route 18 west of 263rd Street E
23. Fort Tejon Road west of 106th Street E
24. 110th Street W south of West Avenue G
25. 110th Street W south of East Avenue K
26. 60th Street W south of West Avenue A



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STUDY SEGMENT

Figure 2

Study Locations

27. 60th Street W south of State Route 138
28. Sierra Highway south of West Avenue D
29. Sierra Highway south of West Avenue G
30. 90th Street E south of East Avenue J
31. 90th Street E south of East Palmdale Boulevard
32. 87th Street E south of State Route 138
33. 106th Street E south of State Route 138
34. 106th Street E south of Fort Tejon Road
35. 140th Street E south of East Avenue J
36. Longview Road south of State Route 138
37. 170th Street E south of E Palmdale Boulevard
38. 165th Street E south of State Route 138
39. Sierra Highway south of Angeles Forest Highway
40. Sierra Highway west of Ward Road
41. Sierra Highway north of Davenport Road
42. Sierra Highway north of Vasquez Canyon Road
43. Angeles Forest Highway south of E Carson Mesa Road
44. Crown Valley Road north of Sierra Highway
45. Aqua Dulce Canyon Road north of State Route 14 WB Ramps
46. Davenport Road east of Sierra Highway
47. Shadow Pines Boulevard north of Soledad Canyon Road
48. Copper Hill Drive east of Copperstone Drive
49. The Old Road north of I-5 SB Ramps
50. Hasley Canyon Road west of Commerce Center Drive

The study concludes with an analysis of potential project impacts on the regional highway systems in accordance with requirements of the Los Angeles County Congestion Management Program (CMP).

REPORT ORGANIZATION

This report is divided into five chapters.

- Chapter I provides an introduction to the report, including proposed initiative description and study area.
- Chapter II describes the baseline conditions for roadway system, traffic volumes, and traffic conditions within the study area.
- Chapter III provides the methodologies used to forecast horizon and project traffic volumes, and the resultant forecasts.
- Chapter IV presents an assessment of potential traffic impacts and identifies potential traffic mitigation measures where appropriate.
- Chapter V presents the results of the Congestion Management Program regional transportation system impact analysis.

II. EXISTING CONDITIONS

A broad data collection effort was undertaken to develop a description of existing conditions in the study area. The assessment of conditions relevant to this study include a description of the roadway facilities within the study area, a review of traffic volumes on these facilities and current operating conditions, and an assessment of existing transit service and pedestrian and bicycle facilities in the study area. A description of these elements is presented in this chapter.

ROADWAY SYSTEM

A large portion of northern Los Angeles County is unincorporated. Incorporated cities are Lancaster, Palmdale, and Santa Clarita. The Antelope Valley and Santa Clarita Valley, including the study area, are served by the state highway system and a network of locally-controlled roadways ranging from local and collector streets to expressways and major highways.

The study area is served by portions of the Interstate 5 (I-5) freeway as well as State Routes 14 and 138 (SR-14 and SR-138). I-5 is generally an 8-lane facility in the study area and serves north-south regional travel between Los Angeles and Kern Counties in the project vicinity as well as regional travel throughout the state. SR-14 is a 6-lane facility with directional high occupancy vehicle (HOV) lanes in the Santa Clarita Valley that operate only during weekday peak periods, and narrows to a 4-lane facility in the northern portion of the Antelope Valley. SR-138 is a key east-west connection between I-5 and SR-14 and is generally a 2-lane undivided highway. East of SR-14, SR-138 is a 4-lane undivided major highway that narrows to two lanes after 87th Street E.

Los Angeles County is responsible for the design, construction, operation, maintenance, and repair of roads in the unincorporated areas, as well as in a number of local jurisdictions that contract with the County for these services. The functional classifications of roadways within the County's Highway Plan are:

- Major Highway – This classification includes urban and rural highways that are of countywide significance and are, or are projected to be, the most highly traveled routes. These roads generally require four or more lanes of moving traffic, channelized medians and, to the extent possible, access control and limits on intersecting streets. The typical right-of-way width of a rural major highway is 108 feet.
- Secondary Highway – This classification includes urban and rural routes that serve or are planned to serve an areawide or countywide function, but are less heavily traveled than major highways. Secondary highways also frequently act as oversized collector roads that feed the countywide system. The typical right-of-way width of rural secondary highways is 86 feet.

- Limited Secondary Highway – This classification includes urban and rural routes that provide access to low-density areas. The typical right-of-way width of rural limited secondary highways is 64 feet.
- Expressway – This classification includes urban and rural controlled-access highways connecting communities. Expressways can generally accommodate six to 10 traffic lanes and are intended for through traffic, featuring full or partial control of access. The right-of-way required varies as necessary to incorporate these features, but is typically 180 feet.

Collector streets and local streets are not defined in the County's Highway Plan but these facilities are typically designed to feed local traffic onto major highways and secondary highways and carry lower volumes of traffic at lower travel speeds than the major facilities listed above. The functional classification and existing configuration of study segments in the study area are documented in the following section.

TRAFFIC VOLUMES AND OPERATING CONDITIONS

LEVEL OF SERVICE STANDARDS AND METHODOLGY

The efficiency of traffic operations is measured in terms of Level of Service (LOS). LOS is a description of traffic performance at a particular facility, such as an intersection, roadway segment, or freeway segment. The LOS concept is a measure of average operating conditions during a specified time period and is based on a volume-to-capacity (V/C) ratio. Levels range from 'A' to 'F', with 'A' representing excellent (free-flow) conditions and 'F' representing extreme congestion. The LOS definitions from the County's General Plan are based on research from *Highway Capacity Manual* (HCM) (Transportation Research Board, 2000) and shown below in Table 1.

TABLE 1 ROADWAY LEVEL OF SERVICE STANDARDS

LOS	Type of Flow	Description	V/C
A	Free flow	Vehicles are completely unimpeded in their ability to maneuver within the traffic stream. Control delay at intersections is minimal. The travel speed exceeds 85% of the base free-flow speed.	0.000 – 0.600
B	Stable flow	The ability to maneuver within the traffic stream is only slightly restricted and control delay at intersections is no significant. The travel speed is between 67% and 85% of the base free-flow speed.	>0.600 – 0.700
C	Stable flow	The ability to maneuver and change lanes at midsegment locations may be more restricted than at LOS B. Longer queues at intersections may contribute to lower travel speeds. The travel speed is between 50% and 67% of the base free-flow speed.	>0.700 – 0.800
D	Approaching unstable flow	Small increases in flow may cause substantial increases in delay and decreases in travel speed. The travel speed is between 40% and 50% of the base free-flow speed.	>0.800 – 0.900
E	Unstable flow	Significant delay is commonly experienced. The travel speed is between 30% and 40% of the base free-flow speed.	>0.900 – 1.000
F	Forced flow	Congestion is likely occurring at intersections, as indicated by high delay and extensive queuing. The travel speed is 30% or less of the base free-flow speed.	> 1.000

Source: Los Angeles County General Plan, Revised Draft March 2015, Table 7.2.

The County has established daily capacity thresholds for roadways within the study area based on the roadways' functional classification and number of travel lanes. Table 2 presents the County's roadway classifications, allowable number of travel lanes, and the maximum average daily traffic volume representing LOS F conditions.

TABLE 2 ROADWAY FUNCTIONAL CLASSIFICATION CAPACITIES

Classification	Number of Lanes	Design Maximum 2-Way ADT	Design Maximum ADT Per Lane
Major Highway	4 Lanes 6 Lanes 8 Lanes	36,000 54,000 72,000	9,000
Secondary Highway	4 Lanes	36,000	9,000
Limited Secondary Highway	2 Lanes 4 Lanes	18,000 36,000	9,000
Collector Street	2 Lanes	15,000	7,500
Local Street	2 Lanes	2,500	1,250
Expressway	4 Lanes 6 Lanes 8 Lanes	44,000 66,000 88,000	11,000

Source: Los Angeles County General Plan Draft EIR, June 2014.

EXISTING ROADWAY OPERATIONS

The study roadway segments were analyzed by comparing the existing average daily traffic volumes to the roadway capacity based on traffic counts and field observations collected by the project team in January 2015. The existing roadway operations are summarized in Table 3. Under existing conditions, only one location currently exceeds the LOS E capacity threshold, State Route 138 west of 87th Street E (Study Location 18).

TABLE 3 ROADWAY SEGMENT LOS – EXISTING CONDITIONS

Study ID	Location	Functional Class	Lanes	ADT	V/C	LOS
1	W Avenue A e/o 60th St W	Major Highway	2	1,795	0.100	A
2	E Avenue E w/o 30th St E	Major Highway	2	2,396	0.133	A
3	E Avenue E w/o 90th St E	Major Highway	2	2,485	0.138	A
4	W Avenue G e/o 110th St W	Major Highway	2	180	0.010	A
5	E Avenue G w/o 30th St E	Major Highway	2	457	0.025	A
6	E Avenue G w/o 90th St E	Major Highway	2	125	0.007	A
7	W Avenue I e/o 110th St W	Major Highway	2	1,054	0.059	A
8	E Avenue J w/o 90th St E	Major Highway	2	2,492	0.138	A
9	W Avenue K e/o 110th St W	Major Highway	2	2,162	0.120	A
10	E Avenue O w/o 170th St E	Major Highway	2	5,570	0.309	A
11	E Avenue O w/o 240th St E	Secondary Highway	2	1,578	0.088	A
12	E Palmdale Blvd w/o 90th St E	Major Highway	2	915	0.051	A
13	E Palmdale Blvd w/o Longview Rd	Major Highway	2	4,628	0.257	A
14	E Palmdale Blvd w/o 170th St E	Major Highway	2	3,092	0.172	A
15	E Avenue T w/o 87th St E	Major Highway	2	8,041	0.447	A
16	E Avenue T w/o 116th St E	Major Highway	2	1,786	0.099	A
17	E Avenue T w/o 165th St E	Local / Collector	2	1,233	0.082	A
18	SR-138 w/o 87th St E	Major Highway	2	17,219	0.957	E

TABLE 3 ROADWAY SEGMENT LOS – EXISTING CONDITIONS

Study ID	Location	Functional Class	Lanes	ADT	V/C	LOS
19	SR-138 w/o 106th St E	Major Highway	4	10,753	0.299	A
20	SR-138 w/o 165th St E	Major Highway	4	10,325	0.287	A
21	SR-138 w/o 263rd St E	Major Highway	2	8,230	0.457	A
22	SR-18 w/o 263rd St E	Major Highway	2	3,557	0.198	A
23	Fort Tejon Rd w/o 106th St E	Secondary Highway	2	1,589	0.088	A
24	110th St W s/o W Avenue G	Major Highway	2	599	0.033	A
25	110th St W s/o E Avenue K	Major Highway	2	3,281	0.182	A
26	60th St W s/o W Avenue A	Major Highway	2	1,054	0.059	A
27	60th St W s/o SR-138	Major Highway	2	1,375	0.076	A
28	Sierra Hwy s/o W Avenue D	Major Highway	2	3,892	0.216	A
29	Sierra Hwy s/o W Avenue G	Major Highway	2	2,951	0.164	A
30	90th St E s/o E Avenue J	Major Highway	2	1,695	0.094	A
31	90th St E s/o E Palmdale Blvd	Major Highway	2	7,550	0.419	A
32	87th St E s/o SR-138	Secondary Highway	2	520	0.029	A
33	106th St E s/o SR-138	Secondary Highway	2	239	0.013	A
34	106th St E s/o Fort Tejon Rd	Limited Secondary Highway	2	703	0.039	A
35	140th St E s/o E Avenue J	Major Highway	2	1,275	0.071	A
36	Longview Rd s/o SR-138	Secondary Highway	2	1,503	0.084	A

TABLE 3 ROADWAY SEGMENT LOS – EXISTING CONDITIONS

Study ID	Location	Functional Class	Lanes	ADT	V/C	LOS
37	170th St E s/o E Palmdale Blvd	Major Highway	2	2,429	0.135	A
38	165th St E s/o SR-138	Secondary Highway	2	810	0.045	A
39	Sierra Hwy s/o Angeles Forest Hwy	Major Highway	2	9,796	0.544	A
40	Sierra Hwy w/o Ward Rd	Major Highway	2	6,993	0.389	A
41	Sierra Hwy n/o Davenport Rd	Major Highway	2	7,048	0.392	A
42	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	9,275	0.515	A
43	Angeles Forest Highway s/o E Carson Mesa Rd	Major Highway	2	3,522	0.196	A
44	Crown Valley Rd n/o Sierra Hwy	Limited Secondary Highway	2	1,619	0.090	A
45	Aqua Dulce Canyon Rd n/o SR-14 WB Ramps	Limited Secondary Highway	2	2,930	0.163	A
46	Davenport Rd e/o Sierra Hwy	Limited Secondary Highway	2	1,798	0.100	A
47	Shadow Pines Blvd n/o Soledad Canyon Rd	Secondary Highway	2	7,581	0.421	A
48	Copper Hill Dr e/o Copperstone Dr	Major Highway	6	31,291	0.579	A
49	The Old Rd n/o I-5 SB Ramps	Secondary Highway	4	14,198	0.394	A
50	Hasley Canyon Rd w/o Commerce Center Dr	Secondary Highway	4	7,334	0.204	A

Source: Fehr & Peers, 2015.

TRANSIT NETWORK

The study area is served primarily by Antelope Valley Transit Authority (AVTA) and Santa Clarita Transit (SCT) for bus service. Los Angeles County DPW operates shuttle service in Acton and Agua Dulce to Santa Clarita three days a week. In addition to the bus network, the study area is served by the Antelope Valley Metrolink rail line, which runs nine commuter trains daily in each direction Monday through Friday to/from Lancaster and Union Station, at the following stations:

- Newhall Station
- Santa Clarita Station
- Princessa Station
- Vincent Grade/Acton Station
- Palmdale Station
- Lancaster Station

AVTA provides 11 local routes and one local express route in the Antelope Valley. In addition, AVTA operates supplemental and deviated routes to accommodate increased student ridership on routes that serve Eastside High School, and Antelope Valley High School in Lancaster, and Pete Knight High School in Palmdale. The AVTA also provides three commuter bus services:

- AVTA Line 785 – Line 785 connects Antelope Valley with Downtown Los Angeles and has an average headway of 10 to 20 minutes during weekday peak periods.
- AVTA Line 786 – Line 786 connects Antelope Valley with Century City/West Los Angeles and has an average headway of 60 minutes during weekday peak periods.
- AVTA Line 787 – Line 787 connects Antelope Valley with West San Fernando Valley and has an average headway of 20 to 30 minutes during weekday peak periods.

Antelope Valley is serviced by two regional transportation centers: the Lancaster City Park and the Palmdale Transportation Center. These centers offer free parking, and connect the study area with AVTA service, Santa Clarita Transit, AMTRAK throughway bus service, Greyhound, Metrolink, and the County of LA Beach Bus.

SCT operates nine local routes as well as two station link routes that provide service from the Santa Clarita Metrolink Station. In addition, SCT operates 20 supplemental school day service routes to alleviate overcrowding on the City's regularly scheduled local bus routes. SCT also provides four commuter bus routes:

- SCT Route 757 – Route 757 connects Santa Clarita with North Hollywood and has an average headway of 30 minutes during weekday peak periods.
- SCT Routes 796/791 – Routes 796/791 connect Santa Clarita with Chatsworth, Canoga Park, Warner Center, and Woodland Hills and has an average headway of 20 to 30 minutes during weekday peak periods.
- SCT Routes 797/792 – Routes 797/792 connect Santa Clarita with UCLA, Westwood, and Century City and has an average headway of 15 to 30 minutes during weekday peak periods.
- SCT Routes 799/794 – Routes 799/794 connect Santa Clarita with Union Station and Downtown Los Angeles and has an average headway of 15 minutes during weekday peak periods.

Both AVTA and SCT provide a dial-a-ride service to seniors over the age of 65 and disabled residents of the Antelope Valley and Santa Clarita Valley.

BICYCLE AND PEDESTRIAN FACILITIES

The study area is primarily a rural environment. Due to the nature of the built environment and surrounding land uses, most of the roadways in the area lack sidewalks, and bicycle facilities are limited. However, most of the major roadways in the developed areas, including the Cities of Lancaster, Palmdale, and Santa Clarita have sidewalks along with several bicycle facilities. In addition, a Trails Plan was adopted into the Antelope Valley General Plan by the Board of Supervisors in 2007. The study area includes a trail network that is used by hikers, bicyclists, and equestrians. This network is comprised of the Adopted County Backbone Trail System, Pacific Crest National Trail, Federal/National Forest Trails, and Incorporated City Trails.

Bicycle facilities are generally categorized into three types of facilities: Class I – bicycle paths, Class II – bicycle lanes, and Class III – bicycle routes. A description of the facility types along with existing facilities in the study area is provided below.

- Class I bike paths, also called shared-use paths or multi-use paths, are paved right-of-way for exclusive use by bicyclists, pedestrians, and other non-motorized modes of travel. They are physically separated from vehicular traffic and can be constructed in roadway right-of-way or exclusive right-of-way. The Sierra Highway Bike path is a Class I facility that connects cities of

Lancaster and Palmdale along the Metrolink tracks and Sierra Highway. The path helps commuters access the Metrolink stations and provides a recreational use for residents and visitors.

- Class II bicycle lanes are defined by pavement striping and signage used to allocate a portion of a roadway for exclusive bicycle travel. Bike lanes are one-way facilities on either side of a roadway. The study area does not currently have Class II bicycle lanes. The County of Los Angeles Bicycle Master Plan (2012) (Bicycle Plan) has proposed Class II facilities near Lake Elizabeth along Elizabeth Lake Road.
- Class III bike routes provide shared use with motor vehicle traffic within the same travel lane. Designated by signs and roadway markings, bike routes provide continuity to other bike facilities or designated preferred routes through corridors with high demand. The study area does not currently have Class III bicycle routes. The County Bicycle Plan has proposed Class III facilities along Pine Canyon Road, as well as Lake Hughes Road, San Francisquito Canyon Road, and Bouquet Canyon Road, which would provide the connection to the Santa Clarita Valley area.

The County Bicycle Plan has also proposed additional Class II and III bicycle facilities located primarily northwest of City of Lancaster. The Cities of Lancaster and Palmdale also have planned bicycle facilities that would connect with the County bicycle network.

III. TRAFFIC PROJECTIONS

In order to evaluate potential impacts of the proposed project on the street system, the project team first developed a reasonable growth scenario since development of single family residences on all 42,687 parcels affected by the ordinance is unlikely to occur. The North County Subarea Travel Demand Forecasting Model was used to analyze the potential impacts of the proposed project under both existing and future conditions. Development of the project growth forecast, model methodology, and analysis scenarios are described in this chapter.

PROJECT GROWTH FORECAST

The Hauled Water Ordinance would allow for the use of hauled water, as the primary source of water, to support an application for single family development for up to 42,687 parcels throughout the unincorporated areas of Santa Clarita Valley and Antelope Valley, where, as a result of being located outside a water district and having determined that groundwater is infeasible, based on a well test. However, the development of all these parcels is unlikely. Based on an analysis of building permits issued in the North County between 1997 and 2014, the construction of 184 new single-family residences per year is a conservative growth estimate. Therefore, between 2015 and 2035 the total forecast number of homes to be constructed is 3,680. The project scenario will analyze the potential impacts of the new vehicle trips generated by the residents of these homes and, the hauled water trucks providing potable water.

After determining the total number of parcels to analyze, the project team estimated the geographic distribution where the new development is considered most likely to occur. The areas nearest to the Cities of Lancaster, Palmdale and Santa Clarita were assumed to be the most likely for development. The following areas were determined to be unsuitable for development:

- Parcels in the Antelope Valley Northeast Subarea and the East San Gabriel Mountains Subarea because of their relative remoteness, inaccessibility, and limited construction activity.
- Parcels in the agricultural land far to the west of the City of Lancaster due to their remoteness and suitability for renewable energy production.
- Parcels in the area planned for development as part of the Tejon Ranch's Centennial project, with the expectation that that area would be part of a water district in the future, and would be served by other municipal services.
- Parcels on unincorporated islands within the Cities of Lancaster and Palmdale.

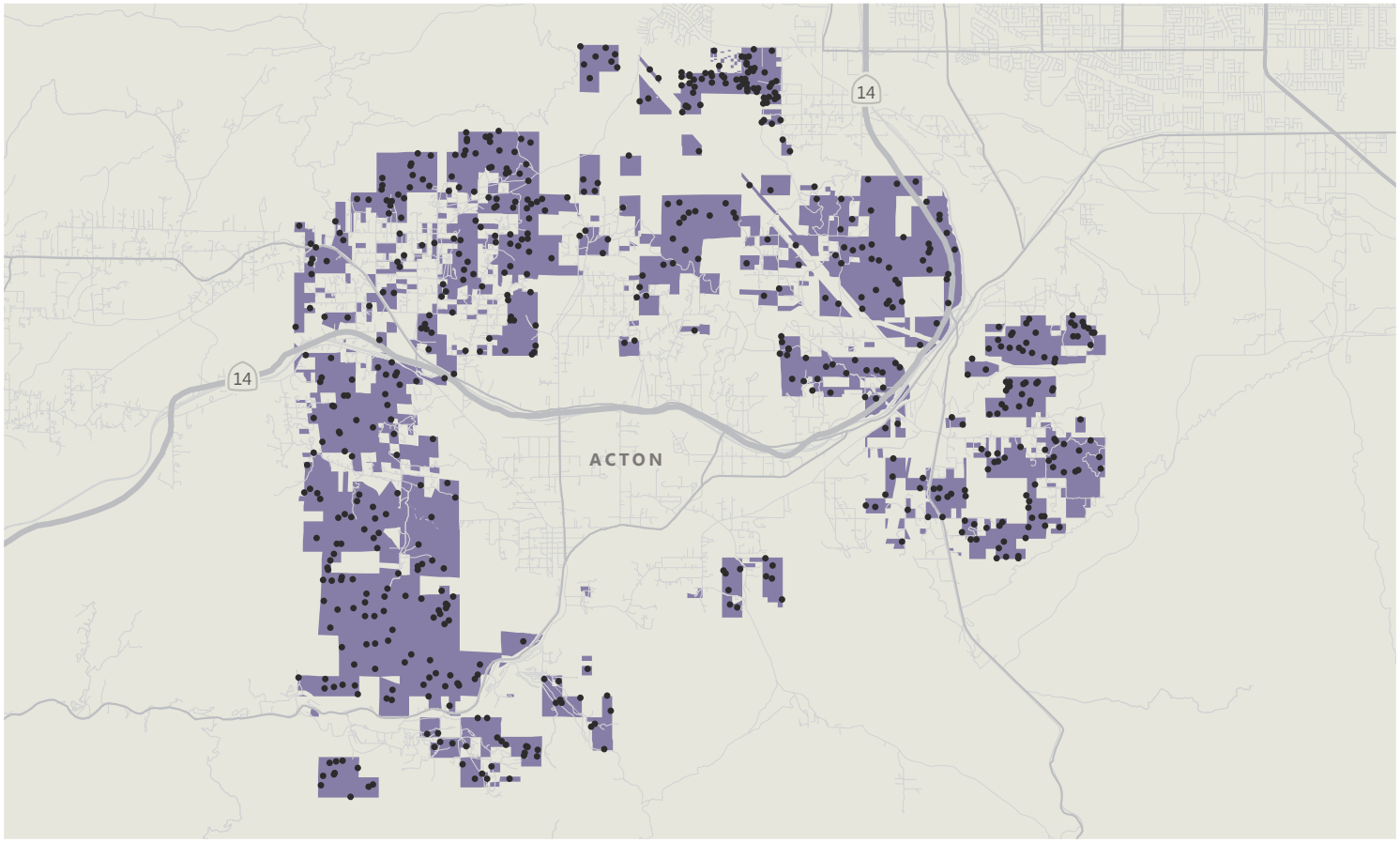
This screening analysis reduced the number of most likely developable parcels to 24,982. The distribution of 3,680 developed parcels was then distributed across the subareas using the distribution of observed building permit activity between 1997 and 2014. Within each of the seven subareas comprising the project area, the parcels to be developed were randomly distributed based on geographic distribution of available parcels. Table 4 shows a summary of how the growth forecast was determined for each subarea.

TABLE 4 GROWTH FORECASTS BY SUBAREA

Subarea	Total Parcels	Potential Parcels	Growth Forecast
Acton	1,245 *(3%)*	1,296 *(5%)*	737 *(20%)*
Antelope Valley Northeast	1,938 *(4%)*	0 *(0%)*	0 *(0%)*
Castaic/Santa Clarita/Agua Dolce	2,249 *(5%)*	2,038 *(8%)*	735 *(20%)*
East San Gabriel Mountains	658 *(2%)*	0 *(0%)*	0 *(0%)*
Lake Hughes/Gorman/West of Lancaster	15,166 *(35%)*	9,244 *(37%)*	847 *(23%)*
Lake Los Angeles/Llano/Valyermo	14,822 *(35%)*	8,961 *(36%)*	1,251 *(34%)*
Lancaster Northeast	6,794 *(16%)*	3,443 *(14%)*	110 *(3%)*
Total	**42,872 *(100%)***	**24,982 *(100%)***	**3,680 *(100%)***

Source: Fehr & Peers and Sapphos Environmental, Inc., 2015.

The building permit data shows that despite representing only 13 percent of the potential parcels, 40 percent of the growth is likely to occur in the Acton and Castaic/Santa Clarita/Agua Dolce subareas combined. The Lancaster Northeast Subarea however, will only include 3 percent of the growth even though 14 percent of the parcels are in this subarea. Figures 3a-e show the distribution of developed parcels across the five subareas where the growth is forecast to occur.

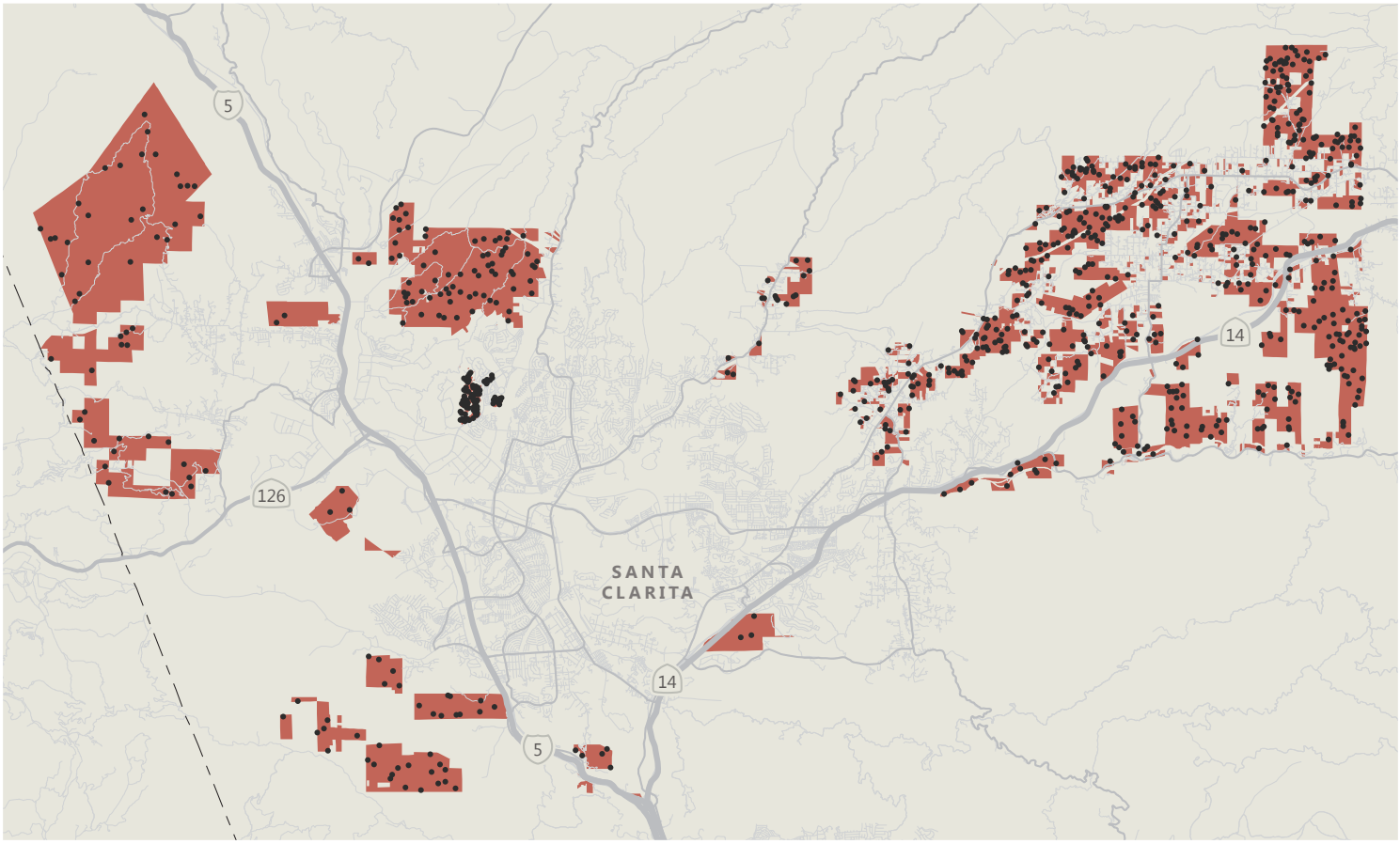


● 1 dot = 1 household

NORTH

Figure 3a

Potential Developed Parcel Distribution
Acton

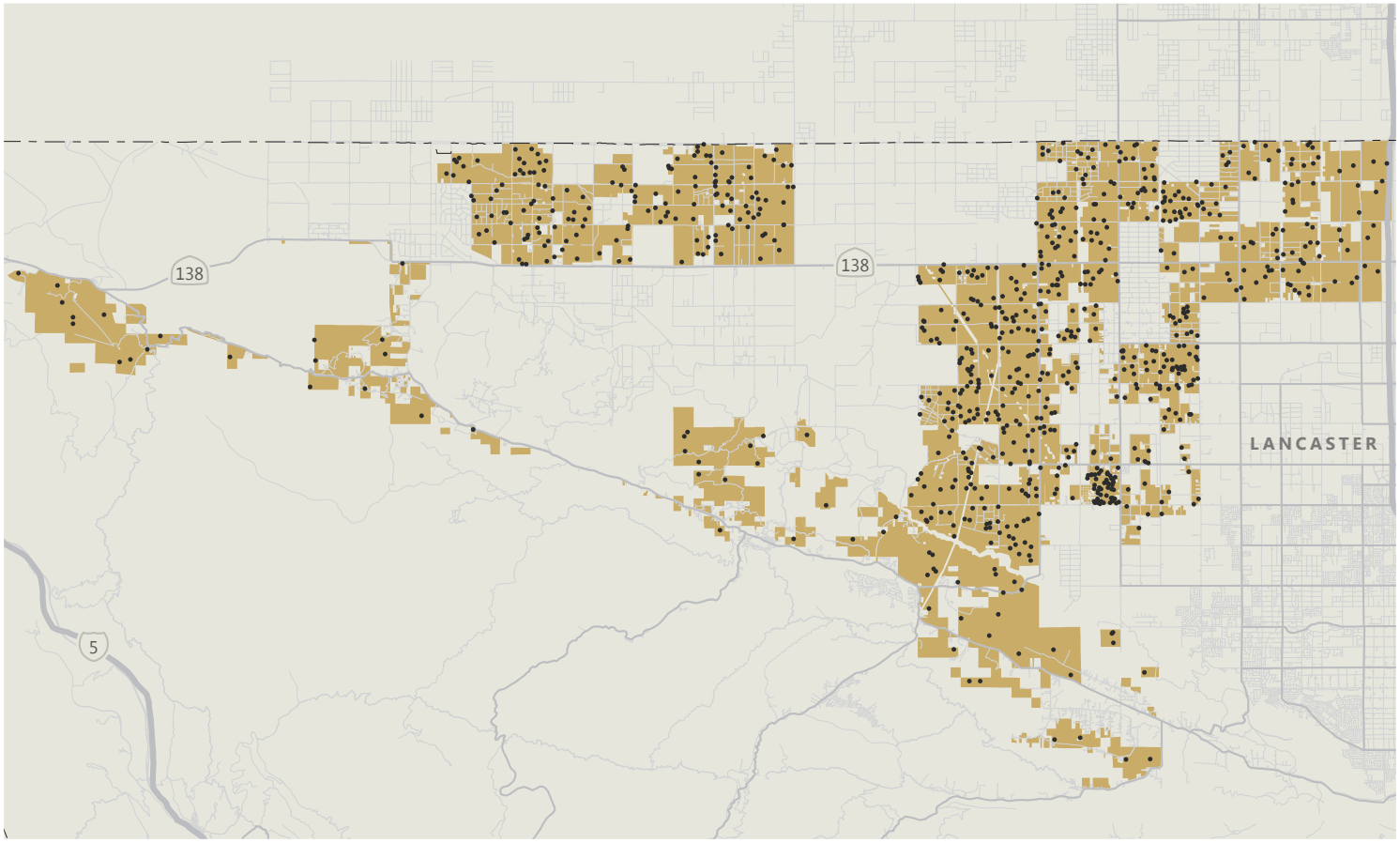


● 1 dot = 1 household

NORTH

Figure 3b

Potential Developed Parcel Distribution
Castaic/Santa Clarita/Agua Dulce

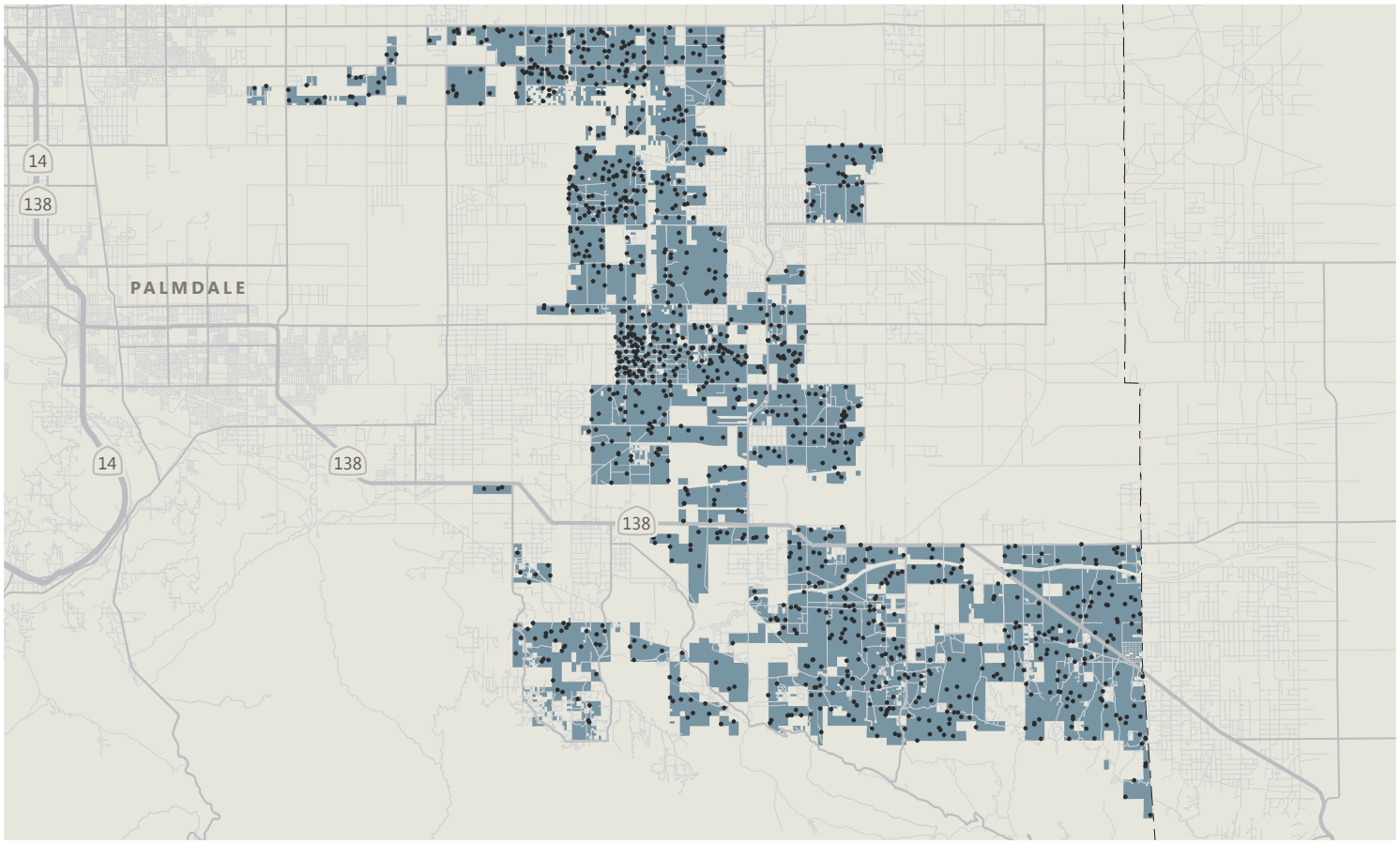


● 1 dot = 1 household

NORTH

Figure 3c

Potential Developed Parcel Distribution
Lake Hughes/Gorman/West of Lancaster

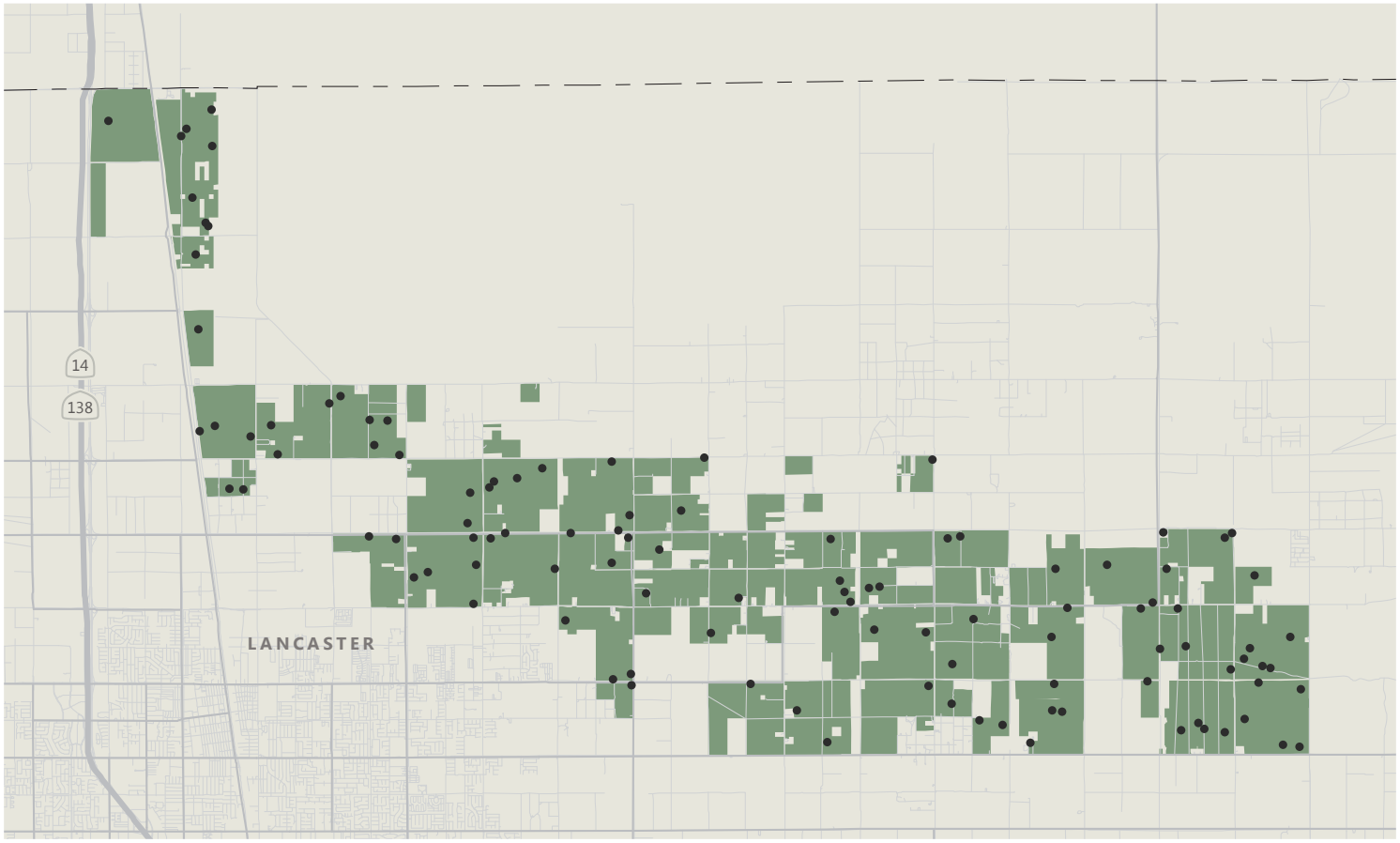


● 1 dot = 1 household

NORTH

Figure 3d

Potential Developed Parcel Distribution
Lake Los Angeles/Llano/Valyermo/Littlerock



● 1 dot = 1 household

NORTH

Figure 3e

Potential Developed Parcel Distribution
Lancaster Northeast

MODEL DEVELOPMENT

The North County Subarea Travel Demand Forecasting Model was used for the proposed project analysis. The subarea model was originally developed for use in the Northwest 138 Corridor Improvement Project in conjunction with Metro and Caltrans. The North County Subarea Model reflects the socioeconomic projections and transportation network improvements contained in the Southern California Association of Governments (SCAG) 2012 Regional Transportation Plan (RTP) and Kern Council of Governments (COG) RTP models. It also reflects local land use and roadway network details from the Enhanced Antelope Valley Transportation Analysis Model (EAVTAM).

The subarea model includes the northern portion of the County, including the Cities of Lancaster, Palmdale and Santa Clarita. The subarea model also includes the southern portion of Kern County as contained in the latest version of the Kern COG model. The model contains the existing and planned highway system within the study area.

The following steps were taken to develop the North County Subarea Model:

1. Applied the SCAG regional model version 6.1 to generate a subarea model platform; extracted the trip tables and roadway network for both existing and future year
2. Added detailed traffic analysis zone (TAZ) and network structure from EAVTAM for Palmdale and Lancaster
3. Joined Kern COG TAZ and network structure
4. Refined TAZ and network structure within LA County

The subarea model was validated to the standards presented in the 2010 California Regional Transportation Plan Guidelines, produced by the California Transportation Commission. In addition to these criteria, the subarea model volume-to-count ratio was checked against a desired maximum threshold of no more than a 10 percent deviation. The model was initially validated to Year 2013 travel conditions. The additional traffic count data that was collected for this project was used to further validate the performance of the model in replicating existing conditions.

The 2012 SCAG RTP model was used for project trip generation and trip distribution, while the subarea model was used to assign project trips to the network. The subarea model was also used to assign hauled water truck trips to the roadway network.

HORIZON YEAR SCENARIO

The Horizon Year (2035) scenario is consistent with recently updated Antelope Valley Area Plan and the 2012 SCAG RTP outside of Antelope Valley. This section describes the land use growth and planned network improvements in the study area for horizon year analysis.

LAND USE/SOCIOECONOMIC GROWTH

The North County Subarea TDF Model contains the unincorporated areas of Santa Clarita Valley and Antelope Valley as well as the Cities of Lancaster, Palmdale, and Santa Clarita. Within Los Angeles County, the land use forecasts in this area are consistent with updated Antelope Valley Area Plan as well as the current 2012 SCAG RTP.

The CEQA Guidelines (Section 15130 [b][1]) state that the information utilized in an analysis of horizon impacts should come from one of two sources:

1. A list of past, present and probable future projects producing related or horizon impacts, including, if necessary, those projects outside the control of the agency; or
2. A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or areawide conditions contributing to the horizon impact. Any such planning document shall be referenced and made available to the public at a location specified by the lead agency.

The horizon impact analysis in this study uses the second method. Table 5 shows the projected growth in land use in the North County area between 2012 and 2035 from the most recent SCAG RTP.

TABLE 5 EXISTING (2012) AND HORIZON YEAR (2035) LAND USE FORECASTS

Subarea	Households	Population	Employment
2012 Existing	197,860	644,659	213,169
2035 Horizon Year	355,878	1,199,357	395,102
Difference	*158,018*	*554,698*	*181,933*

Source: Fehr & Peers, 2015.

PLANNED TRANSPORTATION NETWORK

The North County Subarea Model contains the 2035 planning network identified in the 2012 SCAG RTP. The RTP's planning network includes all financially constrained projects within the SCAG region that are expected to be constructed by 2035. The following major projects are contained in the subarea model under future conditions:

- High Speed Rail – The 2035 Planning network reflects Phase I of the High Speed Rail project, with extents from the City of Anaheim into Kern County. In the model area, the High Speed Rail travels north-south between SR-14 and I-15. The High Speed Rail also travels south on SR-14 through the City of Santa Clarita with a station in the City of Palmdale.
- High Desert Corridor – New expressway route with limited access beginning at SR-14 and extending east into San Bernardino County. The High Desert Corridor would be a divided highway with three to four travel lanes in each direction.
- SR-138 between I-5 and SR-14 – Planned widening from a 2-lane full-access expressway route with at-grade crossings to a 4- to 6-lane limited-access divided highway/expressway route.
- Sierra Highway between SR-138 and Avenue E – Planned widening from a 2-lane full-access arterial to a 4-lane limited access expressway route (SR-138 extension/High Desert Corridor).
- Avenue E between Sierra Highway and 90th Street – Planned widening from a 2-lane full-access collector to a 4-lane limited access expressway route (SR-138 extension).
- 90th Street between Avenue E and Avenue L – Planned widening from a 2-lane full-access collector to a 4-lane limited access expressway route (SR-138 extension).
- I-5 between Ridge Route Road and SR-14 – Construction of an HOV lane in each direction.
- SR-14 between Avenue M and I-5 – Addition of an HOV lane in each direction.

Other minor roadway widening projects within the Cities of Lancaster, Palmdale, and Santa Clarita are included in the subarea model but are too numerous to list.

VEHICLE TRIPS GENERATED AND VEHICLE MILES TRAVELLED

The SCAG RTP model was used to calculate the trip generation and trip distribution for the vehicle trips associated with the households in the Proposed Project scenario. The trip generation and trip distribution for the trucks hauling water to the new developments were calculated separately.

Through research on residences that do not have a potable water supply, the project team determined that the average home requires 5,000 gallons of potable water per week plus an extra 5,000 gallons for fire protection that must be refilled once each year. A single water delivery truck carries approximately 5,000 gallons of water so each home will have 53 water deliveries per year. The potable water supply for these developments would be provided through an agreement with the water hauling company and the nearest water district so that the water could be drawn from the closest hydrant. The average distance between the developable parcels and the nearest hydrant is just under mile and a single truck can fill up and deliver 5,000 gallons of water in less than two hours. The project team assumed that water deliveries would be made seven days a week and that a single truck would deliver to four homes in a single day. The forecast growth in households would require a total of 134 water delivery trucks providing service each day.

There are a limited number of water haulers currently operating in Santa Clarita Valley and Antelope Valley. Under the potential growth scenario, it is likely that more water delivery businesses would operate in the project area. For the trip distribution analysis, the project team assumed that a single distribution center would serve each subarea and that it would be located in industrial areas near the edges of the water districts to minimize haul distances. While this simplifies the analysis, it does not produce substantially different results from what they would be if 50 or 60 water delivery services were assumed instead. The average distance between the water delivery trucks distribution center and the nearest hydrant is 12.4 miles. Therefore, each day a truck would drive 12.4 miles to hydrant, 7 miles making 8 trips between the hydrant and four homes to deliver water, and 12.4 miles back to its distribution center for a total of 31.8 miles.

Once the trip distribution for the truck trips was determined, these trips were manually added to the North County Subarea Model to be assigned along with all other vehicle trips. Table 6 and Table 7 show summaries of the average daily vehicle trips generated and daily vehicle miles travelled under both existing and horizon year conditions for the entire SCAG model region covering six counties.

TABLE 6 EXISTING (2015) AVERAGE VEHICLE TRIPS AND VEHICLE MILES TRAVELLED

Scenario	Daily Vehicle Miles Travelled (VMT)	Daily Vehicle Trips (VT)
Existing	428,701,000	41,762,200
New 3,680 Single Family Homes	*588,000*	*28,400*
Hauled Water Trucks	*4,300*	*134*
Existing plus Project	429,293,300	41,790,734

Source: Fehr & Peers, 2015

TABLE 7 HORIZON YEAR (2035) AVERAGE VEHICLE TRIPS AND VEHICLE MILES TRAVELLED

Scenario	Daily Vehicle Miles Travelled (VMT)	Daily Vehicle Trips (VT)
Horizon Year	504,198,000	47,707,200
New 3,680 Single Family Homes	503,000	26,000
Hauled Water Trucks	4,300	134
Horizon Year plus Project	504,705,300	47,733,334

Source: Fehr & Peers, 2015

Average vehicle trip lengths can be estimated by dividing total vehicle miles travelled (VMT) by total number of vehicle trips (VT). For both the Existing (2015) and Horizon Year (2035) scenarios, the average vehicle trip length in the SCAG six county region is approximately 10 miles. For the proposed project, the average vehicle trip length would be over 20 miles in the existing scenario. In the horizon year scenario, the proposed project generates slightly less vehicle trips and less vehicle miles travelled than the project in the existing scenario due to increases in land use density and more travel options in the North County area. Although the trip generation and VMT are slightly reduced for the project trips under the Horizon Year scenario, the average trip lengths are still much higher than the SCAG region-wide average. While the estimated average trip lengths for water-hauling trucks are longer than those for the personal vehicle trips, the truck trips represent less than one percent of the project-generated traffic. The primary reason for the increase in trip lengths above the regional average is the remoteness of the developable parcels

and lack of land use diversity near these sites; the combined effect of which is that new residents will travel above-average distances for employment, commercial and recreational purposes.

IV. IMPACT ANALYSIS

This chapter presents an analysis of the potential impacts of the traffic generated by the proposed project as well as generalized impacts that could occur during construction of the proposed project. The analysis compares the projected levels of service at each study location under Existing Year plus Project with Existing conditions and under horizon conditions both with and without the project to determine potential impacts, using significance criteria drawn from *Los Angeles County General Plan EIR* (Los Angeles County, March 2015).

TRAFFIC OPERATIONS

Under the guidelines used in the Los Angeles County General Plan EIR, a roadway segment would be significantly impacted if the project-related change in volume-to-capacity (V/C) ratio is greater than 0.02 and causes or worsens to LOS E or F conditions (V/C > 0.900). For those roadways operating with a V/C ratio less than 0.900 (i.e., better than LOS E), it was determined that the planned roadway capacity is adequate to handle the future volumes within acceptable operating conditions.

Tables 8 and 9 show existing and horizon year roadway segment LOS with and without the project traffic. Under horizon conditions the following roadways exceed the LOS E capacity threshold:

- 18. State Route 138 west of 87th Street E
- 36. Longview Road south of State Route 138

Under the guidelines established, there are no identified significant impacts related to project traffic in existing plus project or horizon year plus project conditions.

TABLE 8 ROADWAY SEGMENT LOS – EXISTING AND EXISTING PLUS PROJECT (2015)

Study ID	Location	Functional Class	Lanes	Existing			Existing plus Project			
				Count	V/C	LOS	Forecast	V/C	LOS	V/C Change
1	W Avenue A e/o 60th St W	Major Highway	2	1,795	0.100	A	1,850	0.103	A	0.003
2	E Avenue E w/o 30th St E	Major Highway	2	2,396	0.133	A	2,470	0.137	A	0.004
3	E Avenue E w/o 90th St E	Major Highway	2	2,485	0.138	A	2,540	0.141	A	0.003
4	W Avenue G e/o 110th St W	Major Highway	2	180	0.010	A	260	0.014	A	0.004
5	E Avenue G w/o 30th St E	Major Highway	2	457	0.025	A	640	0.036	A	0.011
6	E Avenue G w/o 90th St E	Major Highway	2	125	0.007	A	280	0.016	A	0.009
7	W Avenue I e/o 110th St W	Major Highway	2	1,054	0.059	A	1,890	0.105	A	0.046
8	E Avenue J w/o 90th St E	Major Highway	2	2,492	0.138	A	2,560	0.142	A	0.004
9	W Avenue K e/o 110th St W	Major Highway	2	2,162	0.120	A	2,250	0.125	A	0.005
10	E Avenue O w/o 170th St E	Major Highway	2	5,570	0.309	A	5,820	0.323	A	0.014
11	E Avenue O w/o 240th St E	Secondary Highway	2	1,578	0.088	A	1,830	0.102	A	0.014
12	E Palmdale Blvd w/o 90th St E	Major Highway	2	915	0.051	A	1,440	0.080	A	0.029
13	E Palmdale Blvd w/o Longview Rd	Major Highway	2	4,628	0.257	A	5,040	0.280	A	0.023
14	E Palmdale Blvd w/o 170th St E	Major Highway	2	3,092	0.172	A	3,170	0.176	A	0.004
15	E Avenue T w/o 87th St E	Major Highway	2	8,041	0.447	A	8,460	0.470	A	0.023
16	E Avenue T w/o 116th St E	Major Highway	2	1,786	0.099	A	2,080	0.116	A	0.017
17	E Avenue T w/o 165th St E	Local / Collector	2	1,233	0.082	A	1,350	0.090	A	0.008
18	SR-138 w/o 87th St E	Major Highway	2	17,219	0.957	E	17,480	0.971	E	0.014

TABLE 8 ROADWAY SEGMENT LOS – EXISTING AND EXISTING PLUS PROJECT (2015)

Study ID	Location	Functional Class	Lanes	Existing			Existing plus Project			
				Count	V/C	LOS	Forecast	V/C	LOS	V/C Change
19	SR-138 w/o 106th St E	Major Highway	4	10,753	0.299	A	10,860	0.302	A	0.003
20	SR-138 w/o 165th St E	Major Highway	4	10,325	0.287	A	10,520	0.292	A	0.005
21	SR-138 w/o 263rd St E	Major Highway	2	8,230	0.457	A	8,620	0.479	A	0.022
22	SR-18 w/o 263rd St E	Major Highway	2	3,557	0.198	A	3,690	0.205	A	0.007
23	Fort Tejon Rd w/o 106th St E	Secondary Highway	2	1,589	0.088	A	2,080	0.116	A	0.028
24	110th St W s/o W Avenue G	Major Highway	2	599	0.033	A	710	0.039	A	0.006
25	110th St W s/o E Avenue K	Major Highway	2	3,281	0.182	A	3,420	0.190	A	0.008
26	60th St W s/o W Avenue A	Major Highway	2	1,054	0.059	A	1,110	0.062	A	0.003
27	60th St W s/o SR-138	Major Highway	2	1,375	0.076	A	1,460	0.081	A	0.005
28	Sierra Hwy s/o W Avenue D	Major Highway	2	3,892	0.216	A	4,030	0.224	A	0.008
29	Sierra Hwy s/o W Avenue G	Major Highway	2	2,951	0.164	A	3,040	0.169	A	0.005
30	90th St E s/o E Avenue J	Major Highway	2	1,695	0.094	A	1,850	0.103	A	0.009
31	90th St E s/o E Palmdale Blvd	Major Highway	2	7,550	0.419	A	8,090	0.449	A	0.030
32	87th St E s/o SR-138	Secondary Highway	2	520	0.029	A	580	0.032	A	0.003
33	106th St E s/o SR-138	Secondary Highway	2	239	0.013	A	310	0.017	A	0.004
34	106th St E s/o Fort Tejon Rd	Limited Secondary Highway	2	703	0.039	A	960	0.053	A	0.014
35	140th St E s/o E Avenue J	Major Highway	2	1,275	0.071	A	1,400	0.078	A	0.007
36	Longview Rd s/o SR-138	Secondary Highway	2	1,503	0.084	A	1,730	0.096	A	0.012

TABLE 8 ROADWAY SEGMENT LOS – EXISTING AND EXISTING PLUS PROJECT (2015)

Study ID	Location	Functional Class	Lanes	Existing			Existing plus Project			
				Count	V/C	LOS	Forecast	V/C	LOS	V/C Change
37	170th St E s/o E Palmdale Blvd	Major Highway	2	2,429	0.135	A	2,680	0.149	A	0.014
38	165th St E s/o SR-138	Secondary Highway	2	810	0.045	A	1,020	0.057	A	0.012
39	Sierra Hwy s/o Angeles Forest Hwy	Major Highway	2	9,796	0.544	A	9,860	0.548	A	0.004
40	Sierra Hwy w/o Ward Rd	Major Highway	2	6,993	0.389	A	7,150	0.397	A	0.008
41	Sierra Hwy n/o Davenport Rd	Major Highway	2	7,048	0.392	A	7,270	0.404	A	0.012
42	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	9,275	0.515	A	9,830	0.546	A	0.031
43	Angeles Forest Highway s/o E Carson Mesa Rd	Major Highway	2	3,522	0.196	A	3,810	0.212	A	0.016
44	Crown Valley Rd n/o Sierra Hwy	Limited Secondary Highway	2	1,619	0.090	A	2,480	0.138	A	0.048
45	Aqua Dulce Canyon Rd n/o SR-14 WB Ramps	Limited Secondary Highway	2	2,930	0.163	A	4,220	0.234	A	0.071
46	Davenport Rd e/o Sierra Hwy	Limited Secondary Highway	2	1,798	0.100	A	1,990	0.111	A	0.011
47	Shadow Pines Blvd n/o Soledad Canyon Rd	Secondary Highway	2	7,581	0.421	A	8,120	0.451	A	0.030
48	Copper Hill Dr e/o Copperstone Dr	Major Highway	6	31,291	0.579	A	31,550	0.584	A	0.005
49	The Old Rd n/o I-5 SB Ramps	Secondary Highway	4	14,198	0.394	A	14,230	0.395	A	0.001
50	Hasley Canyon Rd w/o Commerce Center Dr	Secondary Highway	4	7,334	0.204	A	7,380	0.205	A	0.001

Source: Fehr & Peers, 2015.

TABLE 9 ROADWAY SEGMENT LOS – HORIZON YEAR AND HORIZON YEAR PLUS PROJECT (2035)

Study ID	Location	Functional Class	Lanes	Horizon Year			Horizon Year plus Project			
				Forecast	V/C	LOS	Forecast	V/C	LOS	V/C Change
1	W Avenue A e/o 60th St W	Major Highway	2	10,300	0.572	A	10,350	0.575	A	0.003
2	E Avenue E w/o 30th St E	Expressway	4	7,900	0.180	A	7,980	0.181	A	0.001
3	E Avenue E w/o 90th St E	Expressway	4	7,200	0.164	A	7,260	0.165	A	0.001
4	W Avenue G e/o 110th St W	Major Highway	2	5,700	0.317	A	5,780	0.321	A	0.004
5	E Avenue G w/o 30th St E	Major Highway	2	4,900	0.272	A	5,070	0.282	A	0.010
6	E Avenue G w/o 90th St E	Major Highway	2	200	0.011	A	350	0.019	A	0.008
7	W Avenue I e/o 110th St W	Major Highway	2	3,700	0.206	A	4,480	0.249	A	0.043
8	E Avenue J w/o 90th St E	Major Highway	2	3,100	0.172	A	3,160	0.176	A	0.004
9	W Avenue K e/o 110th St W	Major Highway	2	6,900	0.383	A	6,990	0.388	A	0.005
10	E Avenue O w/o 170th St E	Major Highway	2	8,700	0.483	A	8,940	0.497	A	0.014
11	E Avenue O w/o 240th St E	Secondary Highway	2	1,600	0.089	A	1,830	0.102	A	0.013
12	E Palmdale Blvd w/o 90th St E	Major Highway	2	7,700	0.428	A	8,180	0.454	A	0.026
13	E Palmdale Blvd w/o Longview Rd	Major Highway	2	6,100	0.339	A	6,480	0.360	A	0.021
14	E Palmdale Blvd w/o 170th St E	Major Highway	2	7,100	0.394	A	7,180	0.399	A	0.005
15	E Avenue T w/o 87th St E	Major Highway	2	13,100	0.728	C	13,490	0.749	C	0.021
16	E Avenue T w/o 116th St E	Major Highway	2	6,200	0.344	A	6,470	0.359	A	0.015
17	E Avenue T w/o 165th St E	Local / Collector	2	3,800	0.253	A	3,910	0.261	A	0.008
18	SR-138 w/o 87th St E	Expressway	2	28,500	1.295	F(1)	28,750	1.307	F(1)	0.012

TABLE 9 ROADWAY SEGMENT LOS – HORIZON YEAR AND HORIZON YEAR PLUS PROJECT (2035)

Study ID	Location	Functional Class	Lanes	Horizon Year			Horizon Year plus Project			
				Forecast	V/C	LOS	Forecast	V/C	LOS	V/C Change
19	SR-138 w/o 106th St E	Expressway	4	23,500	0.534	A	23,600	0.536	A	0.002
20	SR-138 w/o 165th St E	Expressway	4	12,200	0.277	A	12,390	0.282	A	0.005
21	SR-138 w/o 263rd St E	Expressway	2	13,200	0.600	A	13,570	0.617	B	0.017
22	SR-18 w/o 263rd St E	Major Highway	2	3,600	0.200	A	3,730	0.207	A	0.007
23	Fort Tejon Rd w/o 106th St E	Secondary Highway	2	4,800	0.267	A	5,260	0.292	A	0.025
24	110th St W s/o W Avenue G	Major Highway	2	4,000	0.222	A	4,110	0.228	A	0.006
25	110th St W s/o E Avenue K	Major Highway	2	8,300	0.461	A	8,430	0.468	A	0.007
26	60th St W s/o W Avenue A	Major Highway	2	7,900	0.439	A	7,960	0.442	A	0.003
27	60th St W s/o SR-138	Major Highway	2	12,600	0.700	B	12,680	0.704	C	0.004
28	Sierra Hwy s/o W Avenue D	Expressway	4	16,200	0.368	A	16,330	0.371	A	0.003
29	Sierra Hwy s/o W Avenue G	Major Highway	2	12,400	0.689	B	12,490	0.694	B	0.005
30	90th St E s/o E Avenue J	Expressway	4	10,200	0.232	A	10,350	0.235	A	0.003
31	90th St E s/o E Palmdale Blvd	Major Highway	4	19,500	0.542	A	20,000	0.556	A	0.014
32	87th St E s/o SR-138	Secondary Highway	2	2,500	0.139	A	2,560	0.142	A	0.003
33	106th St E s/o SR-138	Secondary Highway	2	7,000	0.389	A	7,070	0.393	A	0.004
34	106th St E s/o Fort Tejon Rd	Limited Secondary Highway	2	15,100	0.839	D	15,340	0.852	D	0.013
35	140th St E s/o E Avenue J	Major Highway	2	2,400	0.133	A	2,520	0.140	A	0.007
36	Longview Rd s/o SR-138	Secondary Highway	2	17,200	0.956	E	17,410	0.967	E	0.011

TABLE 9 ROADWAY SEGMENT LOS – HORIZON YEAR AND HORIZON YEAR PLUS PROJECT (2035)

Study ID	Location	Functional Class	Lanes	Horizon Year			Horizon Year plus Project			
				Forecast	V/C	LOS	Forecast	V/C	LOS	V/C Change
37	170th St E s/o E Palmdale Blvd	Major Highway	2	11,300	0.628	B	11,540	0.641	B	0.013
38	165th St E s/o SR-138	Secondary Highway	2	5,100	0.283	A	5,300	0.294	A	0.011
39	Sierra Hwy s/o Angeles Forest Hwy	Major Highway	2	16,200	0.900	D	16,270	0.904	E	0.004
40	Sierra Hwy w/o Ward Rd	Major Highway	2	7,300	0.406	A	7,450	0.414	A	0.008
41	Sierra Hwy n/o Davenport Rd	Major Highway	2	7,100	0.394	A	7,310	0.406	A	0.012
42	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	12,900	0.717	C	13,410	0.745	C	0.028
43	Angeles Forest Highway s/o E Carson Mesa Rd	Major Highway	2	7,500	0.417	A	7,770	0.432	A	0.015
44	Crown Valley Rd n/o Sierra Hwy	Limited Secondary Highway	2	8,300	0.461	A	9,090	0.505	A	0.044
45	Aqua Dulce Canyon Rd n/o SR-14 WB Ramps	Limited Secondary Highway	2	3,000	0.167	A	4,200	0.233	A	0.066
46	Davenport Rd e/o Sierra Hwy	Limited Secondary Highway	2	3,700	0.206	A	3,880	0.216	A	0.010
47	Shadow Pines Blvd n/o Soledad Canyon Rd	Secondary Highway	2	13,600	0.756	C	14,100	0.783	C	0.027
48	Copper Hill Dr e/o Copperstone Dr	Major Highway	6	33,700	0.624	B	33,940	0.629	B	0.005
49	The Old Rd n/o I-5 SB Ramps	Secondary Highway	4	14,200	0.394	A	14,230	0.395	A	0.001
50	Hasley Canyon Rd w/o Commerce Center Dr	Secondary Highway	4	13,800	0.383	A	13,850	0.385	A	0.002

Source: Fehr & Peers, 2015.

CONSTRUCTION

During the construction period for each new single-family residence, temporary construction impacts could include temporary closure of travel and/or parking lanes, temporary closure of bicycle lanes and sidewalks, temporary relocation of bus stops, and limitations on local access where these facilities are present. In addition to the construction activity associated with building a new home, these new developments could require grading of the parcel or access to the parcel and new roadway construction.

Because the precise location of the planned residences and the nature of each parcel are not known at this time, the specific location of these potential impacts cannot be determined. The construction would result in the temporary addition of worker trips and truck trips (material delivery and removal of excavated soil) to the surrounding regional and local transportation system.

However, the limited number of sites forecast to be developed each year, at most 184 parcels per year, and the significant area over which the development would occur limit the potential for concentrated impacts to a single roadway facility for an extended period of time. Also, the construction on these parcels would likely occur one at a time rather than multiple parcels under a single developer. The construction activity on each site would be expected to occur mostly within the parcel property area, so the potential for facility closures within the public right-of-way is minimal. Therefore, construction-related traffic effects are considered to be less than significant.

V. REGIONAL TRANSPORTATION SYSTEM IMPACT ANALYSIS

This section presents an analysis of potential impacts on the regional transportation system. This analysis was conducted in accordance with the procedures outlined in *2010 Congestion Management Program for Los Angeles County* (Los Angeles County Metropolitan Transportation Authority, October 2010). The CMP requires that, when an environmental impact report is prepared for a project, traffic impact analyses be conducted for select regional facilities based on the quantity of project traffic expected to utilize these facilities.

LEVEL OF SERVICE STANDARDS AND METHODOLOGY

The CMP guidelines require that the first issue to be addressed is the determination of the geographic scope of the study area. The criteria for determining the study area for CMP arterial monitoring intersections or segments and for freeway monitoring locations are:

- All CMP arterial monitoring intersections or segments where the proposed project will add 50 or more trips during either the AM or PM peak hours of adjacent street traffic.
- All CMP mainline freeway monitoring locations where the proposed project will add 150 or more trips, in either direction, during either the AM or PM peak hours.

The CMP traffic impact analysis guidelines establish that a significant project impact occurs when the following threshold is exceeded:

- The proposed project increases traffic demand on a CMP facility by 2% of capacity (V/C 0.02), causing LOS F (V/C > 1.00).
- If the facility is already at LOS F, a significant impact occurs when the proposed project increases traffic demand on a CMP facility by 2% of capacity (V/C 0.02).

The CMP guidelines also allow arterial segment analysis between arterial monitoring intersections in lieu of intersection LOS calculations. The design capacity for this analysis is 800 vehicle hours per lane regardless of functional classification. Freeway operating conditions during peak hours are evaluated using the general procedures established by the CMP. LOS is estimated with calculation of the demand-to-capacity (D/C) ratio. Calculation of LOS based on D/C ratios is a surrogate for the speed-based LOS used by the Caltrans for traffic operational analysis. Capacity is determined based on a capacity of 2,000 vehicles per hour per lane. The level of service standards for the arterial and freeway analysis are shown in Table 10.

TABLE 10 CMP SEGMENT AND FREEWAY MAINLINE LEVEL OF SERVICE STANDARDS

LOS	Segment V/C	Freeway Mainline D/C
A	0.00 – 0.60	0.00 – 0.35
B	>0.00 – 0.70	>0.35 – 0.54
C	>0.70 – 0.80	>0.54 – 0.77
D	>0.80 – 0.90	>0.77 – 0.93
E	>0.90 – 1.00	>0.93 – 1.00
F(0)	> 1.00 – 1.25	> 1.00 – 1.25
F(1)	> 1.25 – 1.35	> 1.25 – 1.35
F(2)	>1.35 – 1.45	>1.35 – 1.45
F(3)	> 1.45	> 1.45

Source: Congestion Management Plan, 2010.

IMPACT ANALYSIS

For the impact analysis, all CMP arterial and freeway monitoring locations in the study area were analyzed regardless of the trip threshold. There are seven arterial segment locations and five freeway mainline locations:

- 90. SR-138 e/o 60th St W
- 93. Henry Mayo Dr w/o Commerce Center Dr
- 96. SR-138 e/o 300th St W
- 98. SR-138 w/o 87th St E
- 99. SR-138 w/o 263rd St E
- 102. Sierra Hwy w/o Ward Rd
- 103. Sierra Hwy n/o Vasquez Canyon Rd
- 1008. Route 5 n/o Route 14
- 1009. Route 5 n/o Route 126 West
- 1022. Route 14 n/o Route 5
- 1023. Route 14 s/o Angeles Forest Highway
- 1024. Route 14 s/o Route 48 (Avenue D)

Tables 11 through 14 present existing and horizon year peak hour CMP arterial and freeway operating conditions. No significant impacts were identified due to the relatively minor project-related increases in traffic volumes.

TABLE 11 CMP SEGMENT LOS – EXISTING AND EXISTING PLUS PROJECT (2015)

CMP ID	Location	Functional Class	Lanes	Existing			Existing plus Project			
				Count	V/C	LOS	Forecast	V/C	LOS	V/C Change
AM Peak Hour Segment Results										
90	SR-138 e/o 60th St W	Major Highway	2	276	0.173	A	330	0.206	A	0.033
93	Henry Mayo Dr w/o Commerce Center Dr	Expressway	4	2,700	0.844	D	2,710	0.847	D	0.003
96	SR-138 e/o 300th St W	Major Highway	2	243	0.152	A	270	0.169	A	0.017
98	SR-138 w/o 87th St E	Major Highway	2	963	0.602	B	990	0.619	B	0.017
99	SR-138 w/o 263rd St E	Major Highway	2	529	0.331	A	540	0.338	A	0.007
102	Sierra Hwy w/o Ward Rd	Major Highway	2	752	0.470	A	770	0.481	A	0.011
103	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	993	0.621	B	1,060	0.663	B	0.042
PM Peak Hour Segment Results										
90	SR-138 e/o 60th St W	Major Highway	2	396	0.248	A	450	0.281	A	0.033
93	Henry Mayo Dr w/o Commerce Center Dr	Expressway	4	3,100	0.969	E	3,110	0.972	E	0.003
96	SR-138 e/o 300th St W	Major Highway	2	376	0.235	A	410	0.256	A	0.021
98	SR-138 w/o 87th St E	Major Highway	2	1,434	0.896	D	1,480	0.925	E	0.029
99	SR-138 w/o 263rd St E	Major Highway	2	773	0.483	A	810	0.506	A	0.023
102	Sierra Hwy w/o Ward Rd	Major Highway	2	744	0.465	A	760	0.475	A	0.010
103	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	895	0.559	A	950	0.594	A	0.035

Source: Fehr & Peers, 2015.

TABLE 12 CMP FREEWAY MAINLINE LOS – EXISTING AND EXISTING PLUS PROJECT (2015)

CMP ID	Location	Functional Class	Lanes	Existing			Existing plus Project			
				Count	D/C	LOS	Forecast	D/C	LOS	D/C Change
AM Peak Hour Freeway Mainline Results										
1008	Route 5 n/o Route 14 NB	Freeway	5	7,900	0.790	D	7,910	0.791	D	0.001
1008	Route 5 n/o Route 14 SB	Freeway	5	9,700	0.970	E	9,750	0.975	E	0.005
1009	Route 5 n/o Route 126 West NB	Freeway	4	4,000	0.500	B	4,010	0.501	B	0.001
1009	Route 5 n/o Route 126 West SB	Freeway	4	4,600	0.575	C	4,650	0.581	C	0.006
1022	Route 14 n/o Route 5 NB	Freeway	6	3,000	0.250	A	3,010	0.251	A	0.001
1022	Route 14 n/o Route 5 SB	Freeway	6	8,100	0.675	C	8,220	0.685	C	0.010
1023	Route 14 s/o Angeles Forest Highway NB	Freeway	3	2,100	0.350	A	2,200	0.367	B	0.017
1023	Route 14 s/o Angeles Forest Highway SB	Freeway	3	4,900	0.817	D	4,980	0.830	D	0.013
1024	Route 14 s/o Route 48 (Avenue D) NB	Freeway	2	1,200	0.300	A	1,210	0.303	A	0.003
1024	Route 14 s/o Route 48 (Avenue D) SB	Freeway	2	1,400	0.350	A	1,460	0.365	B	0.015
PM Peak Hour Freeway Mainline Results										
1008	Route 5 n/o Route 14 NB	Freeway	5	9,700	0.970	E	9,770	0.977	E	0.007
1008	Route 5 n/o Route 14 SB	Freeway	5	7,700	0.770	C	7,710	0.771	D	0.001
1009	Route 5 n/o Route 126 West NB	Freeway	4	4,900	0.613	C	4,950	0.619	C	0.006
1009	Route 5 n/o Route 126 West SB	Freeway	4	3,600	0.450	B	3,640	0.455	B	0.005
1022	Route 14 n/o Route 5 NB	Freeway	6	7,800	0.650	C	7,960	0.663	C	0.013
1022	Route 14 n/o Route 5 SB	Freeway	6	4,200	0.350	A	4,250	0.354	B	0.004
1023	Route 14 s/o Angeles Forest Highway NB	Freeway	3	5,100	0.850	D	5,210	0.868	D	0.018
1023	Route 14 s/o Angeles Forest Highway SB	Freeway	3	2,500	0.417	B	2,590	0.432	B	0.015
1024	Route 14 s/o Route 48 (Avenue D) NB	Freeway	2	1,700	0.425	B	1,750	0.438	B	0.013
1024	Route 14 s/o Route 48 (Avenue D) SB	Freeway	2	1,700	0.425	B	1,720	0.430	B	0.005

Source: Fehr & Peers, 2015.

TABLE 13 CMP SEGMENT LOS – HORIZON YEAR AND HORIZON YEAR PLUS PROJECT (2035)

CMP ID	Location	Functional Class	Lanes	Horizon Year			Horizon Year plus Project			
				Forecast	V/C	LOS	Forecast	V/C	LOS	V/C Change
AM Peak Hour Segment Results										
90	SR-138 e/o 60th St W	Freeway	4	4,200	0.525	A	4,250	0.531	A	0.006
93	Henry Mayo Dr w/o Commerce Center Dr	Expressway	4	3,000	0.938	E	3,010	0.941	E	0.003
96	SR-138 e/o 300th St W	Freeway	4	4,000	0.500	A	4,030	0.504	A	0.004
98	SR-138 w/o 87th St E	Expressway	4	2,000	0.625	B	2,030	0.634	B	0.009
99	SR-138 w/o 263rd St E	Expressway	2	900	0.563	A	920	0.575	A	0.012
102	Sierra Hwy w/o Ward Rd	Major Highway	2	800	0.500	A	820	0.513	A	0.013
103	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	1,300	0.813	D	1,360	0.850	D	0.037
PM Peak Hour Segment Results										
90	SR-138 e/o 60th St W	Freeway	4	4,500	0.563	A	4,560	0.570	A	0.007
93	Henry Mayo Dr w/o Commerce Center Dr	Expressway	4	3,300	1.031	F(0)	3,310	1.034	F(0)	0.003
96	SR-138 e/o 300th St W	Freeway	4	4,300	0.538	A	4,330	0.541	A	0.003
98	SR-138 w/o 87th St E	Expressway	4	2,500	0.781	C	2,550	0.797	C	0.016
99	SR-138 w/o 263rd St E	Expressway	2	1,000	0.625	B	1,040	0.650	B	0.025
102	Sierra Hwy w/o Ward Rd	Major Highway	2	800	0.500	A	820	0.513	A	0.013
103	Sierra Hwy n/o Vasquez Canyon Rd	Major Highway	2	1,200	0.750	C	1,260	0.788	C	0.038

Source: Fehr & Peers, 2015.

TABLE 14 CMP FREEWAY MAINLINE LOS – HORIZON YEAR AND HORIZON YEAR PLUS PROJECT (2035)

CMP ID	Location	Functional Class	Lanes	Horizon Year			Horizon Year plus Project			
				Count	D/C	LOS	Forecast	D/C	LOS	D/C Change
AM Peak Hour Freeway Mainline Results										
1008	Route 5 n/o Route 14 NB	Freeway	6	9,200	0.767	C	9,210	0.768	C	0.001
1008	Route 5 n/o Route 14 SB	Freeway	6	14,100	1.175	F(0)	14,150	1.179	F(0)	0.004
1009	Route 5 n/o Route 126 West NB	Freeway	5	5,100	0.510	B	5,110	0.511	B	0.001
1009	Route 5 n/o Route 126 West SB	Freeway	5	7,400	0.740	C	7,460	0.746	C	0.006
1022	Route 14 n/o Route 5 NB	Freeway	6	3,400	0.283	A	3,410	0.284	A	0.001
1022	Route 14 n/o Route 5 SB	Freeway	6	8,700	0.725	C	8,810	0.734	C	0.009
1023	Route 14 s/o Angeles Forest Highway NB	Freeway	3	3,600	0.600	C	3,690	0.615	C	0.015
1023	Route 14 s/o Angeles Forest Highway SB	Freeway	3	5,800	0.967	E	5,880	0.980	E	0.013
1024	Route 14 s/o Route 48 (Avenue D) NB	Freeway	2	3,500	0.875	D	3,510	0.878	D	0.003
1024	Route 14 s/o Route 48 (Avenue D) SB	Freeway	2	3,300	0.825	D	3,360	0.840	D	0.015
PM Peak Hour Freeway Mainline Results										
1008	Route 5 n/o Route 14 NB	Freeway	6	13,900	1.158	F(0)	13,970	1.164	F(0)	0.006
1008	Route 5 n/o Route 14 SB	Freeway	6	9,700	0.808	D	9,710	0.809	D	0.001
1009	Route 5 n/o Route 126 West NB	Freeway	5	8,200	0.820	D	8,250	0.825	D	0.005
1009	Route 5 n/o Route 126 West SB	Freeway	5	4,900	0.490	B	4,940	0.494	B	0.004
1022	Route 14 n/o Route 5 NB	Freeway	6	8,300	0.692	C	8,450	0.704	C	0.012
1022	Route 14 n/o Route 5 SB	Freeway	6	4,700	0.392	B	4,750	0.396	B	0.004
1023	Route 14 s/o Angeles Forest Highway NB	Freeway	3	5,700	0.950	E	5,810	0.968	E	0.018
1023	Route 14 s/o Angeles Forest Highway SB	Freeway	3	4,300	0.717	C	4,390	0.732	C	0.015
1024	Route 14 s/o Route 48 (Avenue D) NB	Freeway	2	4,000	1.000	E	4,050	1.013	F(0)	0.013
1024	Route 14 s/o Route 48 (Avenue D) SB	Freeway	2	3,700	0.925	D	3,730	0.933	E	0.008

Source: Fehr & Peers, 2015.

REFERENCES

2010 Congestion Management Program for Los Angeles County (Los Angeles County Metropolitan Transportation Authority, October 2010)

Highway Capacity Manual (HCM) (Transportation Research Board, 2000)

Los Angeles County General Plan (Los Angeles County, Revised Draft March 2015)

Los Angeles County General Plan EIR (Los Angeles County, March 2015)

APPENDIX A: TRAFFIC COUNTS

Prepared by NDS/ATD

VOLUME

E Avenue O W/O 240th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_002

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	853	725	1,578

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			1		1		2		12:00			3		7		10	
00:15			2		4		6		12:15			7		13		20	
00:30			1		3		4		12:30			11		5		16	
00:45			1	5	2	10	3	15	12:45			13	34	10	35	23	69
01:00			3		0		3		13:00			8		13		21	
01:15			0		1		1		13:15			10		10		20	
01:30			2		0		2		13:30			10		11		21	
01:45			1	6	2	3	3	9	13:45			11	39	12	46	23	85
02:00			4		0		4		14:00			14		19		33	
02:15			2		0		2		14:15			8		8		16	
02:30			0		1		1		14:30			16		7		23	
02:45			1	7	4	5	5	12	14:45			17	55	15	49	32	104
03:00			1		0		1		15:00			12		16		28	
03:15			0		1		1		15:15			7		7		14	
03:30			1		1		2		15:30			20		22		42	
03:45			1	3	0	2	1	5	15:45			23	62	25	70	48	132
04:00			3		4		7		16:00			36		18		54	
04:15			5		7		12		16:15			30		9		39	
04:30			10		11		21		16:30			36		8		44	
04:45			9	27	4	26	13	53	16:45			28	130	15	50	43	180
05:00			11		15		26		17:00			20		9		29	
05:15			23		13		36		17:15			21		7		28	
05:30			33		16		49		17:30			17		10		27	
05:45			16	83	16	60	32	143	17:45			16	74	8	34	24	108
06:00			12		13		25		18:00			12		7		19	
06:15			19		17		36		18:15			14		5		19	
06:30			8		17		25		18:30			9		8		17	
06:45			12	51	22	69	34	120	18:45			6	41	4	24	10	65
07:00			10		10		20		19:00			2		5		7	
07:15			11		18		29		19:15			6		5		11	
07:30			6		16		22		19:30			2		5		7	
07:45			11	38	14	58	25	96	19:45			2	12	4	19	6	31
08:00			7		18		25		20:00			3		8		11	
08:15			10		8		18		20:15			7		3		10	
08:30			9		5		14		20:30			3		2		5	
08:45			5	31	7	38	12	69	20:45			7	20	6	19	13	39
09:00			9		7		16		21:00			2		2		4	
09:15			18		11		29		21:15			4		1		5	
09:30			6		10		16		21:30			4		3		7	
09:45			7	40	5	33	12	73	21:45			5	15	4	10	9	25
10:00			5		6		11		22:00			3		4		7	
10:15			9		2		11		22:15			5		2		7	
10:30			8		3		11		22:30			2		3		5	
10:45			5	27	6	17	11	44	22:45			3	13	0	9	3	22
11:00			5		10		15		23:00			4		2		6	
11:15			6		6		12		23:15			6		0		6	
11:30			9		9		18		23:30			3		5		8	
11:45			4	24	5	30	9	54	23:45			3	16	2	9	5	25
TOTALS				342		351		693	TOTALS				511		374		885
SPLIT %				49.4%		50.6%		43.9%	SPLIT %				57.7%		42.3%		56.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	853	725	1,578

AM Peak Hour			05:15	06:00	05:00	PM Peak Hour			16:00	15:30	15:45
AM Pk Volume			84	69	143	PM Pk Volume			130	74	185
Pk Hr Factor			0.636	0.784	0.730	Pk Hr Factor			0.903	0.740	0.856
7 - 9 Volume	0	0	69	96	165	4 - 6 Volume	0	0	204	84	288
7 - 9 Peak Hour			07:00	07:15	07:15	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	38	66	101	4 - 6 Pk Volume	0	0	130	50	180
Pk Hr Factor	0.000	0.000	0.864	0.917	0.871	Pk Hr Factor	0.000	0.000	0.903	0.694	0.833

Prepared by NDS/ATD

VOLUME

SR-18 W/O 263rd St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,887	1,670	3,557

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		3		8		12:00			21		7		28	
00:15			5		3		8		12:15			27		24		51	
00:30			2		2		4		12:30			26		28		54	
00:45			2	14	2	10	4	24	12:45			29	103	30	89	59	192
01:00			2		0		2		13:00			29		17		46	
01:15			2		3		5		13:15			31		29		60	
01:30			2		2		4		13:30			17		24		41	
01:45			4	10	2	7	6	17	13:45			32	109	32	102	64	211
02:00			3		5		8		14:00			38		22		60	
02:15			1		6		7		14:15			35		32		67	
02:30			5		3		8		14:30			31		27		58	
02:45			2	11	5	19	7	30	14:45			24	128	27	108	51	236
03:00			2		8		10		15:00			30		28		58	
03:15			10		3		13		15:15			23		22		45	
03:30			1		7		8		15:30			35		29		64	
03:45			3	16	14	32	17	48	15:45			33	121	21	100	54	221
04:00			4		18		22		16:00			42		24		66	
04:15			3		18		21		16:15			46		23		69	
04:30			6		17		23		16:30			49		26		75	
04:45			8	21	23	76	31	97	16:45			51	188	27	100	78	288
05:00			6		21		27		17:00			51		20		71	
05:15			11		22		33		17:15			39		26		65	
05:30			8		17		25		17:30			34		32		66	
05:45			11	36	30	90	41	126	17:45			42	166	24	102	66	268
06:00			10		28		38		18:00			48		26		74	
06:15			18		27		45		18:15			36		26		62	
06:30			19		39		58		18:30			41		21		62	
06:45			13	60	34	128	47	188	18:45			36	161	10	83	46	244
07:00			13		29		42		19:00			32		13		45	
07:15			22		32		54		19:15			28		11		39	
07:30			16		33		49		19:30			33		17		50	
07:45			19	70	28	122	47	192	19:45			24	117	11	52	35	169
08:00			31		29		60		20:00			9		14		23	
08:15			23		32		55		20:15			15		14		29	
08:30			21		23		44		20:30			19		14		33	
08:45			21	96	21	105	42	201	20:45			6	49	7	49	13	98
09:00			16		28		44		21:00			7		5		12	
09:15			23		29		52		21:15			12		5		17	
09:30			23		14		37		21:30			14		13		27	
09:45			19	81	26	97	45	178	21:45			7	40	4	27	11	67
10:00			28		20		48		22:00			14		8		22	
10:15			33		19		52		22:15			11		1		12	
10:30			27		23		50		22:30			6		7		13	
10:45			24	112	19	81	43	193	22:45			10	41	4	20	14	61
11:00			24		17		41		23:00			6		4		10	
11:15			31		10		41		23:15			8		1		9	
11:30			31		21		52		23:30			4		2		6	
11:45			29	115	14	62	43	177	23:45			4	22	2	9	6	31
TOTALS				642		829		1471	TOTALS				1245		841		2086
SPLIT %				43.6%		56.4%		41.4%	SPLIT %				59.7%		40.3%		58.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,887	1,670	3,557

AM Peak Hour			11:00	06:30	07:30	PM Peak Hour			16:15	14:15	16:15
AM Pk Volume			115	134	211	PM Pk Volume			197	114	293
Pk Hr Factor			0.927	0.859	0.879	Pk Hr Factor			0.966	0.891	0.939
7 - 9 Volume	0	0	166	227	393	4 - 6 Volume	0	0	354	202	556
7 - 9 Peak Hour			08:00	07:00	07:30	4 - 6 Peak Hour			16:15	16:45	16:15
7 - 9 Pk Volume	0	0	96	122	211	4 - 6 Pk Volume	0	0	197	105	293
Pk Hr Factor	0.000	0.000	0.774	0.924	0.879	Pk Hr Factor	0.000	0.000	0.966	0.820	0.939

Prepared by NDS/ATD

VOLUME

SR-138 W/O 263rd St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_005

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,575	3,655	8,230

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		5		10		12:00			42		44		86	
00:15			11		17		28		12:15			57		39		96	
00:30			17		13		30		12:30			66		44		110	
00:45			11	44	11	46	22	90	12:45			65	230	35	162	100	392
01:00			12		12		24		13:00			70		37		107	
01:15			11		16		27		13:15			50		47		97	
01:30			5		7		12		13:30			59		36		95	
01:45			3	31	3	38	6	69	13:45			71	250	39	159	110	409
02:00			8		5		13		14:00			65		51		116	
02:15			10		16		26		14:15			66		37		103	
02:30			11		5		16		14:30			75		40		115	
02:45			5	34	8	34	13	68	14:45			85	291	42	170	127	461
03:00			10		10		20		15:00			80		43		123	
03:15			9		10		19		15:15			82		61		143	
03:30			14		10		24		15:30			114		68		182	
03:45			17	50	22	52	39	102	15:45			128	404	63	235	191	639
04:00			24		30		54		16:00			133		61		194	
04:15			31		31		62		16:15			152		49		201	
04:30			39		32		71		16:30			142		65		207	
04:45			21	115	38	131	59	246	16:45			111	538	52	227	163	765
05:00			56		57		113		17:00			119		67		186	
05:15			43		52		95		17:15			105		57		162	
05:30			55		66		121		17:30			113		35		148	
05:45			56	210	80	255	136	465	17:45			93	430	59	218	152	648
06:00			42		95		137		18:00			87		47		134	
06:15			46		70		116		18:15			99		34		133	
06:30			41		83		124		18:30			67		21		88	
06:45			44	173	78	326	122	499	18:45			62	315	21	123	83	438
07:00			27		71		98		19:00			54		38		92	
07:15			49		49		98		19:15			52		47		99	
07:30			46		49		95		19:30			53		46		99	
07:45			49	171	65	234	114	405	19:45			38	197	44	175	82	372
08:00			41		52		93		20:00			43		28		71	
08:15			51		44		95		20:15			19		27		46	
08:30			45		56		101		20:30			17		23		40	
08:45			66	203	55	207	121	410	20:45			16	95	18	96	34	191
09:00			46		64		110		21:00			18		19		37	
09:15			57		61		118		21:15			13		30		43	
09:30			38		51		89		21:30			12		21		33	
09:45			75	216	40	216	115	432	21:45			23	66	22	92	45	158
10:00			43		29		72		22:00			16		24		40	
10:15			52		43		95		22:15			17		19		36	
10:30			53		56		109		22:30			19		37		56	
10:45			44	192	29	157	73	349	22:45			22	74	7	87	29	161
11:00			48		48		96		23:00			16		24		40	
11:15			32		41		73		23:15			8		11		19	
11:30			65		41		106		23:30			10		6		16	
11:45			43	188	34	164	77	352	23:45			24	58	10	51	34	109
TOTALS				1627		1860		3487	TOTALS				2948		1795		4743
SPLIT %				46.7%		53.3%		42.4%	SPLIT %				62.2%		37.8%		57.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,575	3,655	8,230

AM Peak Hour			09:45	05:45	05:45	PM Peak Hour			15:45	15:15	15:45
AM Pk Volume			223	328	513	PM Pk Volume			555	253	793
Pk Hr Factor			0.743	0.863	0.936	Pk Hr Factor			0.913	0.930	0.958
7 - 9 Volume	0	0	374	441	815	4 - 6 Volume	0	0	968	445	1413
7 - 9 Peak Hour			08:00	07:00	08:00	4 - 6 Peak Hour			16:00	16:30	16:00
7 - 9 Pk Volume	0	0	203	234	410	4 - 6 Pk Volume	0	0	538	241	765
Pk Hr Factor	0.000	0.000	0.769	0.824	0.847	Pk Hr Factor	0.000	0.000	0.885	0.899	0.924

Prepared by NDS/ATD

VOLUME

E Avenue O W/O 170th St E

Day: Wednesday
Date: 1/28/2015

City: Lake Los Angeles
Project #: CA15_5025_007

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,695	2,875	5,570

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			3		5		8		12:00			34		50		84	
00:15			2		10		12		12:15			45		32		77	
00:30			4		5		9		12:30			41		37		78	
00:45			3	12	4	24	7	36	12:45			41	161	57	176	98	337
01:00			5		0		5		13:00			35		41		76	
01:15			2		2		4		13:15			36		46		82	
01:30			1		2		3		13:30			32		48		80	
01:45			0	8	2	6	2	14	13:45			43	146	42	177	85	323
02:00			1		3		4		14:00			59		42		101	
02:15			1		4		5		14:15			57		37		94	
02:30			2		7		9		14:30			53		44		97	
02:45			3	7	1	15	4	22	14:45			46	215	42	165	88	380
03:00			1		3		4		15:00			48		44		92	
03:15			10		5		15		15:15			64		58		122	
03:30			4		1		5		15:30			62		51		113	
03:45			7	22	8	17	15	39	15:45			56	230	53	206	109	436
04:00			10		9		19		16:00			68		74		142	
04:15			17		6		23		16:15			76		79		155	
04:30			15		10		25		16:30			62		44		106	
04:45			10	52	11	36	21	88	16:45			46	252	47	244	93	496
05:00			4		15		19		17:00			66		47		113	
05:15			8		9		17		17:15			68		43		111	
05:30			14		13		27		17:30			64		60		124	
05:45			9	35	25	62	34	97	17:45			68	266	63	213	131	479
06:00			16		15		31		18:00			46		74		120	
06:15			13		27		40		18:15			58		65		123	
06:30			21		47		68		18:30			41		45		86	
06:45			29	79	30	119	59	198	18:45			41	186	46	230	87	416
07:00			21		37		58		19:00			38		31		69	
07:15			27		57		84		19:15			46		31		77	
07:30			36		29		65		19:30			24		32		56	
07:45			24	108	42	165	66	273	19:45			27	135	25	119	52	254
08:00			30		31		61		20:00			29		42		71	
08:15			36		23		59		20:15			32		42		74	
08:30			60		47		107		20:30			21		26		47	
08:45			41	167	49	150	90	317	20:45			20	102	24	134	44	236
09:00			29		39		68		21:00			12		16		28	
09:15			33		46		79		21:15			13		21		34	
09:30			25		33		58		21:30			9		17		26	
09:45			31	118	31	149	62	267	21:45			11	45	15	69	26	114
10:00			25		37		62		22:00			19		19		38	
10:15			34		44		78		22:15			11		9		20	
10:30			24		23		47		22:30			5		12		17	
10:45			28	111	48	152	76	263	22:45			7	42	6	46	13	88
11:00			32		40		72		23:00			10		13		23	
11:15			56		48		104		23:15			4		4		8	
11:30			41		35		76		23:30			7		7		14	
11:45			39	168	47	170	86	338	23:45			7	28	7	31	14	59
TOTALS				887		1065		1952	TOTALS				1808		1810		3618
SPLIT %				45.4%		54.6%		35.0%	SPLIT %				50.0%		50.0%		65.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,695	2,875	5,570

AM Peak Hour			11:15	08:30	11:15	PM Peak Hour			17:00	17:30	15:30
AM Pk Volume			170	181	350	PM Pk Volume			266	262	519
Pk Hr Factor			0.759	0.923	0.841	Pk Hr Factor			0.978	0.885	0.837
7 - 9 Volume	0	0	275	315	590	4 - 6 Volume	0	0	518	457	975
7 - 9 Peak Hour			08:00	07:00	08:00	4 - 6 Peak Hour			17:00	16:00	16:00
7 - 9 Pk Volume	0	0	167	165	317	4 - 6 Pk Volume	0	0	266	244	496
Pk Hr Factor	0.000	0.000	0.696	0.724	0.741	Pk Hr Factor	0.000	0.000	0.978	0.772	0.800

Prepared by NDS/ATD

VOLUME

E Palmdale Blvd W/O 170th St E

Day: Tuesday
Date: 2/3/2015

City: Palmdale
Project #: CA15_5025_008

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,627	1,465	3,092

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			3		4		7		12:00			23		23		46	
00:15			0		1		1		12:15			20		23		43	
00:30			2		2		4		12:30			19		19		38	
00:45			1	6	4	11	5	17	12:45			27	89	20	85	47	174
01:00			3		3		6		13:00			25		24		49	
01:15			2		1		3		13:15			27		21		48	
01:30			1		4		5		13:30			17		14		31	
01:45			3	9	1	9	4	18	13:45			35	104	15	74	50	178
02:00			4		1		5		14:00			22		16		38	
02:15			0		1		1		14:15			19		26		45	
02:30			1		1		2		14:30			19		32		51	
02:45			4	9	2	5	6	14	14:45			47	107	20	94	67	201
03:00			1		3		4		15:00			27		33		60	
03:15			2		3		5		15:15			35		28		63	
03:30			2		1		3		15:30			28		49		77	
03:45			4	9	5	12	9	21	15:45			40	130	65	175	105	305
04:00			4		7		11		16:00			40		36		76	
04:15			7		6		13		16:15			19		40		59	
04:30			15		20		35		16:30			31		27		58	
04:45			8	34	6	39	14	73	16:45			30	120	20	123	50	243
05:00			15		12		27		17:00			32		28		60	
05:15			25		9		34		17:15			31		20		51	
05:30			42		11		53		17:30			32		23		55	
05:45			22	104	12	44	34	148	17:45			36	131	25	96	61	227
06:00			13		11		24		18:00			40		14		54	
06:15			16		19		35		18:15			26		16		42	
06:30			15		26		41		18:30			24		19		43	
06:45			14	58	30	86	44	144	18:45			31	121	7	56	38	177
07:00			13		32		45		19:00			27		12		39	
07:15			10		23		33		19:15			29		10		39	
07:30			23		27		50		19:30			24		6		30	
07:45			16	62	19	101	35	163	19:45			21	101	13	41	34	142
08:00			18		23		41		20:00			18		9		27	
08:15			13		22		35		20:15			24		7		31	
08:30			14		21		35		20:30			9		7		16	
08:45			19	64	18	84	37	148	20:45			13	64	7	30	20	94
09:00			13		21		34		21:00			14		7		21	
09:15			18		11		29		21:15			10		7		17	
09:30			16		17		33		21:30			15		7		22	
09:45			20	67	18	67	38	134	21:45			15	54	4	25	19	79
10:00			10		20		30		22:00			6		7		13	
10:15			19		17		36		22:15			5		10		15	
10:30			19		28		47		22:30			14		5		19	
10:45			16	64	22	87	38	151	22:45			3	28	9	31	12	59
11:00			23		18		41		23:00			5		5		10	
11:15			14		20		34		23:15			6		1		7	
11:30			19		19		38		23:30			4		6		10	
11:45			19	75	18	75	37	150	23:45			2	17	3	15	5	32
TOTALS				561		620		1181	TOTALS				1066		845		1911
SPLIT %				47.5%		52.5%		38.2%	SPLIT %				55.8%		44.2%		61.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,627	1,465	3,092

AM Peak Hour			05:00	06:45	06:45	PM Peak Hour			15:15	15:30	15:15
AM Pk Volume			104	112	172	PM Pk Volume			143	190	321
Pk Hr Factor			0.619	0.875	0.860	Pk Hr Factor			0.894	0.731	0.764
7 - 9 Volume	0	0	126	185	311	4 - 6 Volume	0	0	251	219	470
7 - 9 Peak Hour			07:30	07:00	07:00	4 - 6 Peak Hour			17:00	16:00	16:00
7 - 9 Pk Volume	0	0	70	101	163	4 - 6 Pk Volume	0	0	131	123	243
Pk Hr Factor	0.000	0.000	0.761	0.789	0.815	Pk Hr Factor	0.000	0.000	0.910	0.769	0.799

Prepared by NDS/ATD

VOLUME

E Avenue T W/O 165th St E

Day: Wednesday
Date: 1/28/2015

City: Llano
Project #: CA15_5025_009

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	653	580	1,233

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			1		1		2		12:00			10		4		14	
00:15			2		0		2		12:15			5		4		9	
00:30			3		0		3		12:30			7		6		13	
00:45			1	7	2	3	3	10	12:45			12	34	4	18	16	52
01:00			1		0		1		13:00			9		7		16	
01:15			2		0		2		13:15			8		5		13	
01:30			1		1		2		13:30			12		13		25	
01:45			2	6	1	2	3	8	13:45			7	36	6	31	13	67
02:00			1		2		3		14:00			9		8		17	
02:15			1		0		1		14:15			5		6		11	
02:30			1		3		4		14:30			9		5		14	
02:45			0	3	1	6	1	9	14:45			12	35	10	29	22	64
03:00			3		1		4		15:00			10		14		24	
03:15			2		2		4		15:15			12		10		22	
03:30			1		4		5		15:30			8		7		15	
03:45			1	7	4	11	5	18	15:45			31	61	16	47	47	108
04:00			1		9		10		16:00			26		12		38	
04:15			6		20		26		16:15			19		13		32	
04:30			3		11		14		16:30			14		10		24	
04:45			4	14	8	48	12	62	16:45			17	76	15	50	32	126
05:00			6		11		17		17:00			16		4		20	
05:15			6		7		13		17:15			16		6		22	
05:30			3		8		11		17:30			11		5		16	
05:45			2	17	13	39	15	56	17:45			19	62	2	17	21	79
06:00			4		12		16		18:00			11		7		18	
06:15			4		10		14		18:15			16		5		21	
06:30			5		11		16		18:30			7		3		10	
06:45			6	19	17	50	23	69	18:45			11	45	4	19	15	64
07:00			7		6		13		19:00			11		6		17	
07:15			4		8		12		19:15			16		5		21	
07:30			4		18		22		19:30			10		3		13	
07:45			4	19	15	47	19	66	19:45			14	51	6	20	20	71
08:00			4		5		9		20:00			7		1		8	
08:15			4		9		13		20:15			5		2		7	
08:30			7		6		13		20:30			7		1		8	
08:45			3	18	8	28	11	46	20:45			6	25	3	7	9	32
09:00			5		9		14		21:00			5		4		9	
09:15			7		9		16		21:15			4		1		5	
09:30			4		12		16		21:30			6		4		10	
09:45			7	23	8	38	15	61	21:45			5	20	0	9	5	29
10:00			5		6		11		22:00			6		5		11	
10:15			7		4		11		22:15			4		2		6	
10:30			7		7		14		22:30			2		3		5	
10:45			9	28	2	19	11	47	22:45			5	17	2	12	7	29
11:00			3		4		7		23:00			2		3		5	
11:15			6		11		17		23:15			3		1		4	
11:30			7		6		13		23:30			1		1		2	
11:45			6	22	2	23	8	45	23:45			2	8	2	7	4	15
TOTALS				183		314		497	TOTALS				470		266		736
SPLIT %				36.8%		63.2%		40.3%	SPLIT %				63.9%		36.1%		59.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	653	580	1,233

AM Peak Hour			11:15	04:15	06:45	PM Peak Hour			15:45	15:45	15:45
AM Pk Volume			29	50	70	PM Pk Volume			90	51	141
Pk Hr Factor			0.725	0.625	0.761	Pk Hr Factor			0.726	0.797	0.750
7 - 9 Volume	0	0	37	75	112	4 - 6 Volume	0	0	138	67	205
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	19	47	66	4 - 6 Pk Volume	0	0	76	50	126
Pk Hr Factor	0.000	0.000	0.679	0.653	0.750	Pk Hr Factor	0.000	0.000	0.731	0.833	0.829

Prepared by NDS/ATD

VOLUME

SR-138 W/O 165th St E

Day: Wednesday
Date: 1/28/2015

City: Llano
Project #: CA15_5025_010

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,390	4,935	10,325

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			17		14		31		12:00			64		42		106	
00:15			9		18		27		12:15			74		60		134	
00:30			16		9		25		12:30			76		59		135	
00:45			13	55	7	48	20	103	12:45			90	304	78	239	168	543
01:00			11		16		27		13:00			68		59		127	
01:15			8		13		21		13:15			72		57		129	
01:30			6		9		15		13:30			79		60		139	
01:45			14	39	11	49	25	88	13:45			77	296	59	235	136	531
02:00			8		14		22		14:00			80		67		147	
02:15			7		10		17		14:15			88		59		147	
02:30			10		13		23		14:30			104		72		176	
02:45			9	34	8	45	17	79	14:45			87	359	65	263	152	622
03:00			14		18		32		15:00			91		74		165	
03:15			14		13		27		15:15			107		67		174	
03:30			13		15		28		15:30			125		92		217	
03:45			10	51	16	62	26	113	15:45			122	445	83	316	205	761
04:00			16		42		58		16:00			143		73		216	
04:15			23		56		79		16:15			157		68		225	
04:30			31		46		77		16:30			137		73		210	
04:45			33	103	45	189	78	292	16:45			126	563	57	271	183	834
05:00			39		58		97		17:00			106		78		184	
05:15			38		73		111		17:15			108		79		187	
05:30			49		67		116		17:30			119		76		195	
05:45			52	178	84	282	136	460	17:45			145	478	70	303	215	781
06:00			42		78		120		18:00			123		79		202	
06:15			47		95		142		18:15			96		62		158	
06:30			48		91		139		18:30			92		49		141	
06:45			33	170	109	373	142	543	18:45			83	394	37	227	120	621
07:00			65		105		170		19:00			63		37		100	
07:15			58		81		139		19:15			67		42		109	
07:30			61		83		144		19:30			57		50		107	
07:45			57	241	85	354	142	595	19:45			46	233	43	172	89	405
08:00			68		73		141		20:00			34		39		73	
08:15			56		84		140		20:15			34		41		75	
08:30			76		74		150		20:30			25		33		58	
08:45			49	249	73	304	122	553	20:45			23	116	28	141	51	257
09:00			67		78		145		21:00			25		18		43	
09:15			60		79		139		21:15			26		18		44	
09:30			71		93		164		21:30			31		31		62	
09:45			66	264	57	307	123	571	21:45			23	105	23	90	46	195
10:00			77		68		145		22:00			32		20		52	
10:15			69		66		135		22:15			19		23		42	
10:30			62		76		138		22:30			24		16		40	
10:45			72	280	72	282	144	562	22:45			22	97	25	84	47	181
11:00			67		59		126		23:00			13		20		33	
11:15			69		59		128		23:15			17		22		39	
11:30			74		53		127		23:30			21		10		31	
11:45			67	277	73	244	140	521	23:45			8	59	3	55	11	114
TOTALS				1941		2539		4480	TOTALS				3449		2396		5845
SPLIT %				43.3%		56.7%		43.4%	SPLIT %				59.0%		41.0%		56.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,390	4,935	10,325

AM Peak Hour			09:30	06:15	06:45	PM Peak Hour			16:00	15:00	15:30
AM Pk Volume			283	400	595	PM Pk Volume			563	316	863
Pk Hr Factor			0.919	0.917	0.875	Pk Hr Factor			0.896	0.859	0.959
7 - 9 Volume	0	0	490	658	1148	4 - 6 Volume	0	0	1041	574	1615
7 - 9 Peak Hour			07:45	07:00	07:00	4 - 6 Peak Hour			16:00	17:00	16:00
7 - 9 Pk Volume	0	0	257	354	595	4 - 6 Pk Volume	0	0	563	303	834
Pk Hr Factor	0.000	0.000	0.845	0.843	0.875	Pk Hr Factor	0.000	0.000	0.896	0.959	0.927

Prepared by NDS/ATD

VOLUME

E Palmdale Blvd W/O Longview Rd

Day: Wednesday
Date: 1/28/2015

City: Palmdale
Project #: CA15_5025_013

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,302	2,326	4,628

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			0		4		4		12:00			27		27		54	
00:15			6		2		8		12:15			24		30		54	
00:30			5		2		7		12:30			31		27		58	
00:45			3	14	5	13	8	27	12:45			33	115	29	113	62	228
01:00			2		1		3		13:00			32		26		58	
01:15			3		3		6		13:15			26		26		52	
01:30			1		2		3		13:30			33		34		67	
01:45			2	8	2	8	4	16	13:45			36	127	24	110	60	237
02:00			1		3		4		14:00			33		40		73	
02:15			2		4		6		14:15			34		34		68	
02:30			2		3		5		14:30			39		49		88	
02:45			2	7	3	13	5	20	14:45			72	178	37	160	109	338
03:00			0		5		5		15:00			52		35		87	
03:15			1		6		7		15:15			49		44		93	
03:30			4		8		12		15:30			44		40		84	
03:45			5	10	10	29	15	39	15:45			74	219	67	186	141	405
04:00			9		14		23		16:00			65		35		100	
04:15			8		13		21		16:15			54		55		109	
04:30			11		24		35		16:30			44		54		98	
04:45			8	36	21	72	29	108	16:45			53	216	55	199	108	415
05:00			4		29		33		17:00			53		41		94	
05:15			24		29		53		17:15			41		40		81	
05:30			27		27		54		17:30			66		37		103	
05:45			19	74	30	115	49	189	17:45			61	221	18	136	79	357
06:00			11		32		43		18:00			67		32		99	
06:15			15		41		56		18:15			45		28		73	
06:30			19		48		67		18:30			34		21		55	
06:45			13	58	40	161	53	219	18:45			50	196	25	106	75	302
07:00			18		68		86		19:00			41		21		62	
07:15			30		74		104		19:15			38		16		54	
07:30			28		46		74		19:30			28		15		43	
07:45			17	93	24	212	41	305	19:45			27	134	12	64	39	198
08:00			19		33		52		20:00			23		11		34	
08:15			22		38		60		20:15			26		15		41	
08:30			24		38		62		20:30			15		15		30	
08:45			20	85	40	149	60	234	20:45			15	79	5	46	20	125
09:00			16		30		46		21:00			15		10		25	
09:15			27		29		56		21:15			29		11		40	
09:30			28		27		55		21:30			19		6		25	
09:45			21	92	32	118	53	210	21:45			10	73	13	40	23	113
10:00			25		37		62		22:00			12		8		20	
10:15			29		18		47		22:15			9		8		17	
10:30			20		31		51		22:30			13		10		23	
10:45			20	94	22	108	42	202	22:45			11	45	3	29	14	74
11:00			25		31		56		23:00			12		5		17	
11:15			17		26		43		23:15			5		2		7	
11:30			23		31		54		23:30			7		2		9	
11:45			36	101	33	121	69	222	23:45			3	27	9	18	12	45
TOTALS				672		1119		1791	TOTALS				1630		1207		2837
SPLIT %				37.5%		62.5%		38.7%	SPLIT %				57.5%		42.5%		61.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,302	2,326	4,628

AM Peak Hour			11:45	06:30	06:45	PM Peak Hour			17:30	15:45	15:45
AM Pk Volume			118	230	317	PM Pk Volume			239	211	448
Pk Hr Factor			0.819	0.777	0.762	Pk Hr Factor			0.892	0.787	0.794
7 - 9 Volume	0	0	178	361	539	4 - 6 Volume	0	0	437	335	772
7 - 9 Peak Hour			07:15	07:00	07:00	4 - 6 Peak Hour			17:00	16:15	16:00
7 - 9 Pk Volume	0	0	94	212	305	4 - 6 Pk Volume	0	0	221	205	415
Pk Hr Factor	0.000	0.000	0.783	0.716	0.733	Pk Hr Factor	0.000	0.000	0.837	0.932	0.952

Prepared by NDS/ATD

VOLUME

E Avenue T W/O 116th St E

Day: Wednesday
Date: 1/28/2015

City: Palmdale
Project #: CA15_5025_014

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	935	851	1,786

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			0		2		2		12:00			24		13		37	
00:15			2		0		2		12:15			12		9		21	
00:30			4		0		4		12:30			15		8		23	
00:45			1	7	1	3	2	10	12:45			12	63	15	45	27	108
01:00			2		1		3		13:00			11		10		21	
01:15			1		0		1		13:15			10		6		16	
01:30			2		1		3		13:30			11		15		26	
01:45			3	8	1	3	4	11	13:45			11	43	9	40	20	83
02:00			1		1		2		14:00			11		3		14	
02:15			2		2		4		14:15			7		13		20	
02:30			1		1		2		14:30			22		9		31	
02:45			1	5	1	5	2	10	14:45			15	55	11	36	26	91
03:00			2		5		7		15:00			15		20		35	
03:15			3		1		4		15:15			14		16		30	
03:30			1		2		3		15:30			21		17		38	
03:45			1	7	5	13	6	20	15:45			26	76	20	73	46	149
04:00			5		9		14		16:00			23		25		48	
04:15			4		19		23		16:15			23		19		42	
04:30			4		25		29		16:30			15		17		32	
04:45			5	18	7	60	12	78	16:45			22	83	17	78	39	161
05:00			9		14		23		17:00			27		13		40	
05:15			5		9		14		17:15			19		13		32	
05:30			5		7		12		17:30			20		14		34	
05:45			5	24	9	39	14	63	17:45			17	83	6	46	23	129
06:00			7		10		17		18:00			24		9		33	
06:15			10		18		28		18:15			15		10		25	
06:30			9		10		19		18:30			14		3		17	
06:45			9	35	19	57	28	92	18:45			11	64	3	25	14	89
07:00			7		16		23		19:00			28		7		35	
07:15			9		16		25		19:15			20		7		27	
07:30			9		19		28		19:30			19		6		25	
07:45			5	30	26	77	31	107	19:45			11	78	6	26	17	104
08:00			5		17		22		20:00			16		5		21	
08:15			7		14		21		20:15			11		3		14	
08:30			11		14		25		20:30			12		1		13	
08:45			9	32	11	56	20	88	20:45			12	51	3	12	15	63
09:00			8		16		24		21:00			11		3		14	
09:15			12		8		20		21:15			6		5		11	
09:30			8		14		22		21:30			3		4		7	
09:45			8	36	14	52	22	88	21:45			5	25	1	13	6	38
10:00			11		9		20		22:00			12		3		15	
10:15			8		13		21		22:15			3		3		6	
10:30			13		8		21		22:30			4		6		10	
10:45			8	40	5	35	13	75	22:45			7	26	2	14	9	40
11:00			7		7		14		23:00			4		0		4	
11:15			7		11		18		23:15			2		5		7	
11:30			7		12		19		23:30			2		2		4	
11:45			13	34	4	34	17	68	23:45			4	12	2	9	6	21
TOTALS				276		434		710	TOTALS				659		417		1076
SPLIT %				38.9%		61.1%		39.8%	SPLIT %				61.2%		38.8%		60.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	935	851	1,786

AM Peak Hour			11:45	07:15	07:00	PM Peak Hour			15:30	15:30	15:30
AM Pk Volume			64	78	107	PM Pk Volume			93	81	174
Pk Hr Factor			0.667	0.750	0.863	Pk Hr Factor			0.894	0.810	0.906
7 - 9 Volume	0	0	62	133	195	4 - 6 Volume	0	0	166	124	290
7 - 9 Peak Hour			08:00	07:15	07:00	4 - 6 Peak Hour			16:45	16:00	16:00
7 - 9 Pk Volume	0	0	32	78	107	4 - 6 Pk Volume	0	0	88	78	161
Pk Hr Factor	0.000	0.000	0.727	0.750	0.863	Pk Hr Factor	0.000	0.000	0.815	0.780	0.839

Prepared by NDS/ATD

VOLUME

SR-138 W/O 106th St E

Day: Wednesday
Date: 1/28/2015

City: Pearblossom
Project #: CA15_5025_015

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,581	5,172	10,753

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			21		8		29		12:00			78		75		153	
00:15			11		10		21		12:15			96		49		145	
00:30			13		18		31		12:30			83		67		150	
00:45			11	56	13	49	24	105	12:45			70	327	74	265	144	592
01:00			16		11		27		13:00			87		67		154	
01:15			4		15		19		13:15			73		66		139	
01:30			7		13		20		13:30			95		69		164	
01:45			13	40	4	43	17	83	13:45			84	339	65	267	149	606
02:00			7		17		24		14:00			97		77		174	
02:15			8		10		18		14:15			86		63		149	
02:30			10		6		16		14:30			111		68		179	
02:45			12	37	14	47	26	84	14:45			91	385	60	268	151	653
03:00			11		9		20		15:00			98		88		186	
03:15			16		11		27		15:15			114		71		185	
03:30			12		19		31		15:30			121		109		230	
03:45			15	54	18	57	33	111	15:45			136	469	74	342	210	811
04:00			11		40		51		16:00			145		73		218	
04:15			22		53		75		16:15			138		81		219	
04:30			24		52		76		16:30			133		69		202	
04:45			34	91	48	193	82	284	16:45			116	532	65	288	181	820
05:00			41		56		97		17:00			101		75		176	
05:15			44		67		111		17:15			100		66		166	
05:30			48		78		126		17:30			124		72		196	
05:45			39	172	70	271	109	443	17:45			117	442	74	287	191	729
06:00			46		80		126		18:00			114		71		185	
06:15			39		116		155		18:15			94		65		159	
06:30			61		74		135		18:30			88		57		145	
06:45			47	193	81	351	128	544	18:45			79	375	45	238	124	613
07:00			68		118		186		19:00			57		38		95	
07:15			67		86		153		19:15			73		44		117	
07:30			60		76		136		19:30			54		42		96	
07:45			71	266	80	360	151	626	19:45			43	227	48	172	91	399
08:00			65		86		151		20:00			41		48		89	
08:15			71		108		179		20:15			37		45		82	
08:30			76		78		154		20:30			34		35		69	
08:45			50	262	88	360	138	622	20:45			32	144	38	166	70	310
09:00			62		82		144		21:00			30		20		50	
09:15			70		97		167		21:15			31		21		52	
09:30			75		78		153		21:30			20		25		45	
09:45			84	291	75	332	159	623	21:45			35	116	35	101	70	217
10:00			82		74		156		22:00			28		20		48	
10:15			76		72		148		22:15			27		22		49	
10:30			61		59		120		22:30			30		14		44	
10:45			75	294	91	296	166	590	22:45			12	97	23	79	35	176
11:00			72		63		135		23:00			16		19		35	
11:15			81		67		148		23:15			20		27		47	
11:30			75		76		151		23:30			18		9		27	
11:45			78	306	70	276	148	582	23:45			12	66	9	64	21	130
TOTALS				2062		2635		4697	TOTALS				3519		2537		6056
SPLIT %				43.9%		56.1%		43.7%	SPLIT %				58.1%		41.9%		56.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,581	5,172	10,753

AM Peak Hour			11:45	06:15	07:45	PM Peak Hour			15:45	15:00	15:30
AM Pk Volume			335	389	635	PM Pk Volume			552	342	877
Pk Hr Factor			0.872	0.824	0.887	Pk Hr Factor			0.952	0.784	0.953
7 - 9 Volume	0	0	528	720	1248	4 - 6 Volume	0	0	974	575	1549
7 - 9 Peak Hour			07:45	07:00	07:45	4 - 6 Peak Hour			16:00	16:15	16:00
7 - 9 Pk Volume	0	0	283	360	635	4 - 6 Pk Volume	0	0	532	290	820
Pk Hr Factor	0.000	0.000	0.931	0.763	0.887	Pk Hr Factor	0.000	0.000	0.917	0.895	0.936

Prepared by NDS/ATD

VOLUME

Fort Tejon Rd W/O 106th St E

Day: Wednesday
Date: 1/28/2015

City: Pearblossom
Project #: CA15_5025_016

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	803	786	1,589

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			2		1		3		12:00			14		11		25	
00:15			0		0		0		12:15			13		20		33	
00:30			0		2		2		12:30			12		6		18	
00:45			1	3	0	3	1	6	12:45			15	54	17	54	32	108
01:00			2		1		3		13:00			7		14		21	
01:15			2		0		2		13:15			7		11		18	
01:30			2		0		2		13:30			20		15		35	
01:45			0	6	1	2	1	8	13:45			10	44	12	52	22	96
02:00			0		0		0		14:00			15		7		22	
02:15			0		0		0		14:15			13		12		25	
02:30			0		0		0		14:30			17		11		28	
02:45			0		1	1	1	1	14:45			19	64	5	35	24	99
03:00			0		1		1		15:00			17		8		25	
03:15			2		3		5		15:15			15		14		29	
03:30			0		1		1		15:30			15		15		30	
03:45			2	4	3	8	5	12	15:45			10	57	6	43	16	100
04:00			1		8		9		16:00			20		7		27	
04:15			0		7		7		16:15			24		7		31	
04:30			0		9		9		16:30			26		13		39	
04:45			2	3	11	35	13	38	16:45			27	97	16	43	43	140
05:00			1		11		12		17:00			21		10		31	
05:15			0		14		14		17:15			18		8		26	
05:30			0		16		16		17:30			34		9		43	
05:45			1	2	11	52	12	54	17:45			31	104	8	35	39	139
06:00			3		12		15		18:00			20		10		30	
06:15			3		9		12		18:15			18		7		25	
06:30			3		15		18		18:30			15		4		19	
06:45			7	16	27	63	34	79	18:45			15	68	5	26	20	94
07:00			6		16		22		19:00			15		4		19	
07:15			1		27		28		19:15			18		8		26	
07:30			8		19		27		19:30			8		1		9	
07:45			10	25	16	78	26	103	19:45			9	50	2	15	11	65
08:00			7		13		20		20:00			13		1		14	
08:15			9		18		27		20:15			4		3		7	
08:30			6		11		17		20:30			10		2		12	
08:45			11	33	14	56	25	89	20:45			7	34	2	8	9	42
09:00			9		19		28		21:00			8		2		10	
09:15			5		14		19		21:15			7		1		8	
09:30			10		20		30		21:30			3		1		4	
09:45			6	30	14	67	20	97	21:45			2	20	2	6	4	26
10:00			6		15		21		22:00			2		2		4	
10:15			6		17		23		22:15			2		2		4	
10:30			15		12		27		22:30			5		1		6	
10:45			8	35	10	54	18	89	22:45			1	10	1	6	2	16
11:00			9		9		18		23:00			2		1		3	
11:15			13		13		26		23:15			1		0		1	
11:30			8		12		20		23:30			0		0		0	
11:45			11	41	9	43	20	84	23:45			0	3	0	1	0	4
TOTALS				198		462		660	TOTALS				605		324		929
SPLIT %				30.0%		70.0%		41.5%	SPLIT %				65.1%		34.9%		58.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	803	786	1,589

AM Peak Hour			11:45	06:45	06:45	PM Peak Hour			17:00	12:15	16:15
AM Pk Volume			50	89	111	PM Pk Volume			104	57	144
Pk Hr Factor			0.893	0.824	0.816	Pk Hr Factor			0.765	0.713	0.837
7 - 9 Volume	0	0	58	134	192	4 - 6 Volume	0	0	201	78	279
7 - 9 Peak Hour			07:30	07:00	07:00	4 - 6 Peak Hour			17:00	16:30	16:15
7 - 9 Pk Volume	0	0	34	78	103	4 - 6 Pk Volume	0	0	104	47	144
Pk Hr Factor	0.000	0.000	0.850	0.722	0.920	Pk Hr Factor	0.000	0.000	0.765	0.734	0.837

Prepared by NDS/ATD

VOLUME

E Avenue E W/O 90th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_017

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,276	1,209	2,485

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		3		8		12:00			15		4		19	
00:15			2		6		8		12:15			11		7		18	
00:30			2		1		3		12:30			7		7		14	
00:45			2	11	4	14	6	25	12:45			11	44	18	36	29	80
01:00			2		3		5		13:00			10		4		14	
01:15			1		2		3		13:15			15		16		31	
01:30			0		0		0		13:30			15		20		35	
01:45			0	3	2	7	2	10	13:45			14	54	11	51	25	105
02:00			1		1		2		14:00			26		15		41	
02:15			0		0		0		14:15			20		18		38	
02:30			1		2		3		14:30			14		18		32	
02:45			3	5	2	5	5	10	14:45			22	82	23	74	45	156
03:00			7		4		11		15:00			33		36		69	
03:15			5		2		7		15:15			15		29		44	
03:30			1		1		2		15:30			12		29		41	
03:45			6	19	2	9	8	28	15:45			15	75	56	150	71	225
04:00			6		6		12		16:00			6		46		52	
04:15			8		2		10		16:15			18		60		78	
04:30			8		4		12		16:30			14		57		71	
04:45			8	30	3	15	11	45	16:45			27	65	79	242	106	307
05:00			14		6		20		17:00			20		53		73	
05:15			39		9		48		17:15			12		32		44	
05:30			36		6		42		17:30			10		29		39	
05:45			42	131	3	24	45	155	17:45			13	55	22	136	35	191
06:00			54		10		64		18:00			18		16		34	
06:15			60		6		66		18:15			14		20		34	
06:30			66		10		76		18:30			2		11		13	
06:45			51	231	3	29	54	260	18:45			8	42	14	61	22	103
07:00			47		17		64		19:00			8		7		15	
07:15			48		12		60		19:15			1		6		7	
07:30			37		10		47		19:30			5		1		6	
07:45			28	160	5	44	33	204	19:45			5	19	6	20	11	39
08:00			18		6		24		20:00			4		9		13	
08:15			27		11		38		20:15			5		8		13	
08:30			16		12		28		20:30			1		6		7	
08:45			18	79	11	40	29	119	20:45			5	15	9	32	14	47
09:00			12		7		19		21:00			5		4		9	
09:15			3		13		16		21:15			6		9		15	
09:30			11		8		19		21:30			3		3		6	
09:45			6	32	19	47	25	79	21:45			7	21	5	21	12	42
10:00			3		14		17		22:00			7		5		12	
10:15			10		6		16		22:15			6		6		12	
10:30			4		17		21		22:30			1		13		14	
10:45			4	21	6	43	10	64	22:45			3	17	2	26	5	43
11:00			12		6		18		23:00			6		12		18	
11:15			11		16		27		23:15			1		15		16	
11:30			11		9		20		23:30			4		9		13	
11:45			14	48	9	40	23	88	23:45			6	17	7	43	13	60
TOTALS				770		317		1087	TOTALS				506		892		1398
SPLIT %				70.8%		29.2%		43.7%	SPLIT %				36.2%		63.8%		56.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,276	1,209	2,485

AM Peak Hour			06:00	09:45	06:00	PM Peak Hour			14:15	16:15	16:15
AM Pk Volume			231	56	260	PM Pk Volume			89	249	328
Pk Hr Factor			0.875	0.737	0.855	Pk Hr Factor			0.674	0.788	0.774
7 - 9 Volume	0	0	239	84	323	4 - 6 Volume	0	0	120	378	498
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour			16:15	16:15	16:15
7 - 9 Pk Volume	0	0	160	44	204	4 - 6 Pk Volume	0	0	79	249	328
Pk Hr Factor	0.000	0.000	0.833	0.647	0.797	Pk Hr Factor	0.000	0.000	0.731	0.788	0.774

Prepared by NDS/ATD

VOLUME

E Avenue G W/O 90th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_018

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	72	53	125

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			0		0		0		12:00			1		1		2	
00:15			1		0		1		12:15			5		1		6	
00:30			0		0		0		12:30			1		0		1	
00:45			0	1	0		0	1	12:45			1	8	0	2	1	10
01:00			0		0		0		13:00			0		1		1	
01:15			0		0		0		13:15			1		3		4	
01:30			0		0		0		13:30			3		2		5	
01:45			0		0		0		13:45			0	4	0	6	0	10
02:00			0		0		0		14:00			1		1		2	
02:15			0		0		0		14:15			0		1		1	
02:30			0		0		0		14:30			0		0		0	
02:45			0		0		0		14:45			2	3	3	5	5	8
03:00			0		0		0		15:00			0		2		2	
03:15			0		0		0		15:15			1		5		6	
03:30			0		0		0		15:30			0		1		1	
03:45			0		0		0		15:45			2	3	1	9	3	12
04:00			0		0		0		16:00			1		2		3	
04:15			0		0		0		16:15			0		1		1	
04:30			0		0		0		16:30			0		1		1	
04:45			0		0		0		16:45			1	2	0	4	1	6
05:00			0		0		0		17:00			1		0		1	
05:15			0		2		2		17:15			3		0		3	
05:30			0		1		1		17:30			0		0		0	
05:45			1	1	1	4	2	5	17:45			5	9	0		5	9
06:00			1		0		1		18:00			1		1		2	
06:15			2		1		3		18:15			0		0		0	
06:30			2		1		3		18:30			0		1		1	
06:45			2	7	1	3	3	10	18:45			2	3	0	2	2	5
07:00			4		0		4		19:00			1		0		1	
07:15			0		1		1		19:15			1		0		1	
07:30			2		3		5		19:30			0		0		0	
07:45			0	6	2	6	2	12	19:45			1	3	1	1	2	4
08:00			0		0		0		20:00			0		0		0	
08:15			2		0		2		20:15			0		0		0	
08:30			0		0		0		20:30			0		0		0	
08:45			1	3	1	1	2	4	20:45			0		0		0	
09:00			1		1		2		21:00			0		0		0	
09:15			0		2		2		21:15			0		0		0	
09:30			6		2		8		21:30			1		0		1	
09:45			3	10	1	6	4	16	21:45			0	1	0		0	1
10:00			1		1		2		22:00			1		0		1	
10:15			0		0		0		22:15			0		0		0	
10:30			2		1		3		22:30			0		0		0	
10:45			1	4	1	3	2	7	22:45			0	1	0		0	1
11:00			0		0		0		23:00			0		0		0	
11:15			1		1		2		23:15			0		0		0	
11:30			0		0		0		23:30			0		0		0	
11:45			2	3	0	1	2	4	23:45			0		0		0	
TOTALS				35		24		59	TOTALS				37		29		66
SPLIT %				59.3%		40.7%		47.2%	SPLIT %				56.1%		43.9%		52.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	72	53	125

AM Peak Hour			06:15	07:00	09:00	PM Peak Hour			17:00	14:45	14:45
AM Pk Volume			10	6	16	PM Pk Volume			9	11	14
Pk Hr Factor			0.625	0.500	0.500	Pk Hr Factor			0.450	0.550	0.583
7 - 9 Volume	0	0	9	7	16	4 - 6 Volume	0	0	11	4	15
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour			17:00	16:00	17:00
7 - 9 Pk Volume	0	0	6	6	12	4 - 6 Pk Volume	0	0	9	4	9
Pk Hr Factor	0.000	0.000	0.375	0.500	0.600	Pk Hr Factor	0.000	0.000	0.450	0.500	0.450

Prepared by NDS/ATD

VOLUME

E Avenue J W/O 90th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_019

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,202	1,290	2,492

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			2		2		4		12:00			11		14		25	
00:15			0		3		3		12:15			20		24		44	
00:30			3		4		7		12:30			22		21		43	
00:45			4	9	1	10	5	19	12:45			19	72	12	71	31	143
01:00			2		4		6		13:00			13		14		27	
01:15			1		0		1		13:15			20		17		37	
01:30			0		1		1		13:30			17		11		28	
01:45			0	3	0	5	0	8	13:45			26	76	26	68	52	144
02:00			3		0		3		14:00			22		22		44	
02:15			4		0		4		14:15			16		24		40	
02:30			0		1		1		14:30			11		24		35	
02:45			2	9	0	1	2	10	14:45			23	72	35	105	58	177
03:00			0		3		3		15:00			30		22		52	
03:15			0		3		3		15:15			23		26		49	
03:30			2		7		9		15:30			28		23		51	
03:45			1	3	3	16	4	19	15:45			41	122	32	103	73	225
04:00			4		3		7		16:00			26		26		52	
04:15			2		2		4		16:15			26		22		48	
04:30			6		5		11		16:30			35		27		62	
04:45			8	20	2	12	10	32	16:45			27	114	22	97	49	211
05:00			12		8		20		17:00			24		30		54	
05:15			16		11		27		17:15			27		22		49	
05:30			13		13		26		17:30			14		20		34	
05:45			14	55	8	40	22	95	17:45			17	82	15	87	32	169
06:00			19		10		29		18:00			30		22		52	
06:15			16		13		29		18:15			14		15		29	
06:30			25		10		35		18:30			15		18		33	
06:45			11	71	23	56	34	127	18:45			23	82	9	64	32	146
07:00			13		25		38		19:00			13		7		20	
07:15			15		28		43		19:15			13		10		23	
07:30			11		25		36		19:30			3		13		16	
07:45			16	55	26	104	42	159	19:45			12	41	10	40	22	81
08:00			15		22		37		20:00			19		2		21	
08:15			10		21		31		20:15			15		7		22	
08:30			14		28		42		20:30			12		4		16	
08:45			10	49	20	91	30	140	20:45			7	53	2	15	9	68
09:00			12		21		33		21:00			11		6		17	
09:15			15		22		37		21:15			5		6		11	
09:30			13		26		39		21:30			3		3		6	
09:45			14	54	27	96	41	150	21:45			5	24	4	19	9	43
10:00			15		24		39		22:00			8		10		18	
10:15			8		25		33		22:15			2		4		6	
10:30			9		19		28		22:30			6		7		13	
10:45			12	44	10	78	22	122	22:45			5	21	4	25	9	46
11:00			22		24		46		23:00			3		3		6	
11:15			11		21		32		23:15			4		1		5	
11:30			19		15		34		23:30			1		2		3	
11:45			10	62	14	74	24	136	23:45			1	9	7	13	8	22
TOTALS				434		583		1017	TOTALS				768		707		1475
SPLIT %				42.7%		57.3%		40.8%	SPLIT %				52.1%		47.9%		59.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,202	1,290	2,492

AM Peak Hour			05:45	07:00	07:00	PM Peak Hour			15:45	14:30	15:45
AM Pk Volume			74	104	159	PM Pk Volume			128	107	235
Pk Hr Factor			0.740	0.929	0.924	Pk Hr Factor			0.780	0.764	0.805
7 - 9 Volume	0	0	104	195	299	4 - 6 Volume	0	0	196	184	380
7 - 9 Peak Hour			07:15	07:00	07:00	4 - 6 Peak Hour			16:00	16:15	16:30
7 - 9 Pk Volume	0	0	57	104	159	4 - 6 Pk Volume	0	0	114	101	214
Pk Hr Factor	0.000	0.000	0.891	0.929	0.924	Pk Hr Factor	0.000	0.000	0.814	0.842	0.863

Prepared by NDS/ATD

VOLUME

E Palmdale Blvd W/O 90th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_020

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	454	461	915

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			1		1		2		12:00			3		5		8	
00:15			4		3		7		12:15			4		9		13	
00:30			1		0		1		12:30			12		7		19	
00:45			1	7	0	4	1	11	12:45			11	30	8	29	19	59
01:00			1		0		1		13:00			4		9		13	
01:15			1		1		2		13:15			4		5		9	
01:30			1		0		1		13:30			5		9		14	
01:45			0	3	2	3	2	6	13:45			4	17	8	31	12	48
02:00			0		0		0		14:00			8		4		12	
02:15			1		0		1		14:15			7		8		15	
02:30			0		1		1		14:30			11		4		15	
02:45			0	1	2	3	2	4	14:45			11	37	7	23	18	60
03:00			0		2		2		15:00			4		10		14	
03:15			0		0		0		15:15			8		5		13	
03:30			0		0		0		15:30			8		11		19	
03:45			0		0	2	0	2	15:45			14	34	14	40	28	74
04:00			0		0		0		16:00			19		8		27	
04:15			1		1		2		16:15			9		11		20	
04:30			5		3		8		16:30			21		8		29	
04:45			4	10	2	6	6	16	16:45			16	65	11	38	27	103
05:00			6		5		11		17:00			16		6		22	
05:15			12		14		26		17:15			9		5		14	
05:30			15		7		22		17:30			8		3		11	
05:45			8	41	20	46	28	87	17:45			9	42	5	19	14	61
06:00			3		12		15		18:00			5		3		8	
06:15			8		14		22		18:15			9		5		14	
06:30			4		11		15		18:30			2		6		8	
06:45			8	23	11	48	19	71	18:45			2	18	3	17	5	35
07:00			2		7		9		19:00			0		2		2	
07:15			3		8		11		19:15			2		5		7	
07:30			6		12		18		19:30			2		4		6	
07:45			6	17	11	38	17	55	19:45			1	5	4	15	5	20
08:00			8		8		16		20:00			0		2		2	
08:15			7		7		14		20:15			6		3		9	
08:30			5		2		7		20:30			1		1		2	
08:45			5	25	1	18	6	43	20:45			2	9	2	8	4	17
09:00			7		3		10		21:00			0		1		1	
09:15			1		11		12		21:15			1		1		2	
09:30			3		10		13		21:30			2		1		3	
09:45			4	15	4	28	8	43	21:45			1	4	6	9	7	13
10:00			6		4		10		22:00			2		2		4	
10:15			4		2		6		22:15			4		1		5	
10:30			3		2		5		22:30			2		2		4	
10:45			7	20	0	8	7	28	22:45			2	10	0	5	2	15
11:00			3		8		11		23:00			2		1		3	
11:15			4		3		7		23:15			3		0		3	
11:30			3		5		8		23:30			5		1		6	
11:45			1	11	4	20	5	31	23:45			0	10	1	3	1	13
TOTALS				173		224		397	TOTALS				281		237		518
SPLIT %				43.6%		56.4%		43.4%	SPLIT %				54.2%		45.8%		56.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	454	461	915

AM Peak Hour			05:00	05:45	05:15	PM Peak Hour			16:00	15:30	15:45
AM Pk Volume			41	57	91	PM Pk Volume			65	44	104
Pk Hr Factor			0.683	0.713	0.813	Pk Hr Factor			0.774	0.786	0.897
7 - 9 Volume	0	0	42	56	98	4 - 6 Volume	0	0	107	57	164
7 - 9 Peak Hour			07:30	07:15	07:30	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	27	39	65	4 - 6 Pk Volume	0	0	65	38	103
Pk Hr Factor	0.000	0.000	0.844	0.813	0.903	Pk Hr Factor	0.000	0.000	0.774	0.864	0.888

Prepared by NDS/ATD

VOLUME

E Avenue T W/O 87th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_021

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,949	4,092	8,041

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			13		3		16		12:00			33		56		89	
00:15			17		3		20		12:15			41		45		86	
00:30			11		2		13		12:30			53		48		101	
00:45			8	49	2	10	10	59	12:45			47	174	34	183	81	357
01:00			7		2		9		13:00			31		48		79	
01:15			6		7		13		13:15			58		48		106	
01:30			9		2		11		13:30			48		53		101	
01:45			5	27	6	17	11	44	13:45			49	186	42	191	91	377
02:00			7		2		9		14:00			53		43		96	
02:15			4		4		8		14:15			63		56		119	
02:30			4		7		11		14:30			82		55		137	
02:45			3	18	7	20	10	38	14:45			57	255	55	209	112	464
03:00			4		14		18		15:00			68		58		126	
03:15			7		19		26		15:15			74		64		138	
03:30			4		25		29		15:30			88		51		139	
03:45			3	18	38	96	41	114	15:45			84	314	52	225	136	539
04:00			6		57		63		16:00			100		49		149	
04:15			6		79		85		16:15			85		54		139	
04:30			6		119		125		16:30			102		67		169	
04:45			11	29	96	351	107	380	16:45			105	392	56	226	161	618
05:00			9		72		81		17:00			130		68		198	
05:15			12		75		87		17:15			91		50		141	
05:30			12		72		84		17:30			103		51		154	
05:45			7	40	77	296	84	336	17:45			117	441	47	216	164	657
06:00			12		81		93		18:00			104		40		144	
06:15			11		77		88		18:15			103		32		135	
06:30			12		72		84		18:30			109		32		141	
06:45			29	64	78	308	107	372	18:45			80	396	28	132	108	528
07:00			33		103		136		19:00			109		35		144	
07:15			31		76		107		19:15			87		24		111	
07:30			29		82		111		19:30			71		26		97	
07:45			35	128	78	339	113	467	19:45			72	339	28	113	100	452
08:00			43		85		128		20:00			70		28		98	
08:15			31		68		99		20:15			51		24		75	
08:30			41		61		102		20:30			51		19		70	
08:45			33	148	66	280	99	428	20:45			57	229	23	94	80	323
09:00			38		55		93		21:00			37		20		57	
09:15			25		66		91		21:15			47		12		59	
09:30			34		47		81		21:30			27		17		44	
09:45			23	120	57	225	80	345	21:45			36	147	16	65	52	212
10:00			33		53		86		22:00			38		18		56	
10:15			31		51		82		22:15			28		14		42	
10:30			25		58		83		22:30			18		11		29	
10:45			24	113	43	205	67	318	22:45			17	101	9	52	26	153
11:00			34		53		87		23:00			30		13		43	
11:15			36		49		85		23:15			18		5		23	
11:30			46		55		101		23:30			9		5		14	
11:45			36	152	55	212	91	364	23:45			12	69	4	27	16	96
TOTALS				906		2359		3265	TOTALS				3043		1733		4776
SPLIT %				27.7%		72.3%		40.6%	SPLIT %				63.7%		36.3%		59.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,949	4,092	8,041

AM Peak Hour			11:45	04:15	07:00	PM Peak Hour			17:00	16:15	16:30
AM Pk Volume			163	366	467	PM Pk Volume			441	245	669
Pk Hr Factor			0.769	0.769	0.858	Pk Hr Factor			0.848	0.901	0.845
7 - 9 Volume	0	0	276	619	895	4 - 6 Volume	0	0	833	442	1275
7 - 9 Peak Hour			07:45	07:00	07:00	4 - 6 Peak Hour			17:00	16:15	16:30
7 - 9 Pk Volume	0	0	150	339	467	4 - 6 Pk Volume	0	0	441	245	669
Pk Hr Factor	0.000	0.000	0.872	0.823	0.858	Pk Hr Factor	0.000	0.000	0.848	0.901	0.845

Prepared by NDS/ATD

VOLUME

SR-138 W/O 87th St E

Day: Thursday
Date: 1/29/2015

City: Littlerock
Project #: CA15_5025_022

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,059	8,160	17,219

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			23		19		42		12:00			131		108		239	
00:15			14		22		36		12:15			133		102		235	
00:30			18		23		41		12:30			131		138		269	
00:45			22	77	17	81	39	158	12:45			142	537	98	446	240	983
01:00			20		12		32		13:00			139		124		263	
01:15			19		20		39		13:15			120		107		227	
01:30			17		28		45		13:30			124		117		241	
01:45			10	66	10	70	20	136	13:45			151	534	141	489	292	1023
02:00			17		18		35		14:00			127		111		238	
02:15			14		21		35		14:15			160		94		254	
02:30			12		7		19		14:30			189		110		299	
02:45			13	56	13	59	26	115	14:45			168	644	119	434	287	1078
03:00			10		7		17		15:00			172		141		313	
03:15			19		22		41		15:15			217		139		356	
03:30			26		24		50		15:30			218		151		369	
03:45			22	77	33	86	55	163	15:45			220	827	131	562	351	1389
04:00			26		51		77		16:00			220		131		351	
04:15			32		61		93		16:15			231		143		374	
04:30			44		77		121		16:30			228		124		352	
04:45			55	157	88	277	143	434	16:45			193	872	112	510	305	1382
05:00			36		65		101		17:00			200		124		324	
05:15			53		83		136		17:15			185		110		295	
05:30			64		106		170		17:30			188		113		301	
05:45			70	223	101	355	171	578	17:45			160	733	118	465	278	1198
06:00			55		116		171		18:00			186		123		309	
06:15			68		134		202		18:15			165		96		261	
06:30			77		120		197		18:30			142		100		242	
06:45			90	290	92	462	182	752	18:45			135	628	79	398	214	1026
07:00			92		101		193		19:00			111		91		202	
07:15			81		105		186		19:15			103		79		182	
07:30			84		133		217		19:30			97		73		170	
07:45			96	353	145	484	241	837	19:45			89	400	85	328	174	728
08:00			98		119		217		20:00			103		75		178	
08:15			105		122		227		20:15			72		77		149	
08:30			88		165		253		20:30			52		74		126	
08:45			131	422	135	541	266	963	20:45			62	289	67	293	129	582
09:00			143		121		264		21:00			56		53		109	
09:15			94		111		205		21:15			47		51		98	
09:30			123		147		270		21:30			52		55		107	
09:45			105	465	91	470	196	935	21:45			51	206	51	210	102	416
10:00			124		125		249		22:00			47		31		78	
10:15			92		118		210		22:15			37		47		84	
10:30			86		122		208		22:30			56		33		89	
10:45			105	407	115	480	220	887	22:45			38	178	38	149	76	327
11:00			121		95		216		23:00			34		21		55	
11:15			113		97		210		23:15			25		43		68	
11:30			134		107		241		23:30			31		23		54	
11:45			127	495	99	398	226	893	23:45			33	123	26	113	59	236
TOTALS				3088		3763		6851	TOTALS				5971		4397		10368
SPLIT %				45.1%		54.9%		39.8%	SPLIT %				57.6%		42.4%		60.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,059	8,160	17,219

AM Peak Hour			11:30	07:45	08:15	PM Peak Hour			15:45	15:00	15:30
AM Pk Volume			525	551	1010	PM Pk Volume			899	562	1445
Pk Hr Factor			0.979	0.835	0.949	Pk Hr Factor			0.973	0.930	0.966
7 - 9 Volume	0	0	775	1025	1800	4 - 6 Volume	0	0	1605	975	2580
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	422	551	963	4 - 6 Pk Volume	0	0	872	510	1382
Pk Hr Factor	0.000	0.000	0.805	0.835	0.905	Pk Hr Factor	0.000	0.000	0.944	0.892	0.924

Prepared by NDS/ATD

VOLUME

E Avenue E W/O 30th St E

Day: Tuesday
Date: 2/3/2015

City: Palmdale
Project #: CA15_5025_023

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,238	1,158	2,396

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			6		12		18		12:00			14		11		25	
00:15			2		9		11		12:15			14		11		25	
00:30			0		3		3		12:30			8		14		22	
00:45			1	9	0	24	1	33	12:45			12	48	7	43	19	91
01:00			2		0		2		13:00			6		10		16	
01:15			2		1		3		13:15			23		9		32	
01:30			1		0		1		13:30			17		11		28	
01:45			2	7	5	6	7	13	13:45			23	69	20	50	43	119
02:00			2		1		3		14:00			15		21		36	
02:15			3		2		5		14:15			24		20		44	
02:30			2		4		6		14:30			26		14		40	
02:45			2	9	1	8	3	17	14:45			21	86	24	79	45	165
03:00			4		2		6		15:00			21		30		51	
03:15			1		3		4		15:15			13		23		36	
03:30			1		2		3		15:30			23		35		58	
03:45			0	6	2	9	2	15	15:45			19	76	38	126	57	202
04:00			6		5		11		16:00			10		41		51	
04:15			2		8		10		16:15			15		36		51	
04:30			12		4		16		16:30			10		50		60	
04:45			10	30	9	26	19	56	16:45			22	57	48	175	70	232
05:00			17		7		24		17:00			13		67		80	
05:15			26		5		31		17:15			18		37		55	
05:30			30		9		39		17:30			22		22		44	
05:45			46	119	15	36	61	155	17:45			14	67	17	143	31	210
06:00			51		6		57		18:00			20		20		40	
06:15			52		9		61		18:15			10		14		24	
06:30			43		24		67		18:30			7		13		20	
06:45			37	183	11	50	48	233	18:45			6	43	12	59	18	102
07:00			30		6		36		19:00			9		10		19	
07:15			34		13		47		19:15			16		13		29	
07:30			28		11		39		19:30			6		10		16	
07:45			25	117	11	41	36	158	19:45			5	36	3	36	8	72
08:00			14		6		20		20:00			3		3		6	
08:15			18		18		36		20:15			5		10		15	
08:30			16		14		30		20:30			9		2		11	
08:45			11	59	8	46	19	105	20:45			13	30	7	22	20	52
09:00			7		5		12		21:00			11		2		13	
09:15			5		13		18		21:15			6		4		10	
09:30			7		16		23		21:30			12		7		19	
09:45			10	29	10	44	20	73	21:45			11	40	6	19	17	59
10:00			7		12		19		22:00			7		10		17	
10:15			9		11		20		22:15			15		4		19	
10:30			13		9		22		22:30			8		5		13	
10:45			11	40	11	43	22	83	22:45			1	31	2	21	3	52
11:00			14		8		22		23:00			1		6		7	
11:15			7		10		17		23:15			1		1		2	
11:30			6		9		15		23:30			2		7		9	
11:45			14	41	6	33	20	74	23:45			2	6	5	19	7	25
TOTALS				649		366		1015	TOTALS				589		792		1381
SPLIT %				63.9%		36.1%		42.4%	SPLIT %				42.7%		57.3%		57.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,238	1,158	2,396

AM Peak Hour			05:45	05:45	05:45	PM Peak Hour			14:15	16:30	16:30
AM Pk Volume			192	54	246	PM Pk Volume			92	202	265
Pk Hr Factor			0.923	0.563	0.918	Pk Hr Factor			0.885	0.754	0.828
7 - 9 Volume	0	0	176	87	263	4 - 6 Volume	0	0	124	318	442
7 - 9 Peak Hour			07:00	07:45	07:00	4 - 6 Peak Hour			16:45	16:30	16:30
7 - 9 Pk Volume	0	0	117	49	158	4 - 6 Pk Volume	0	0	75	202	265
Pk Hr Factor	0.000	0.000	0.860	0.681	0.840	Pk Hr Factor	0.000	0.000	0.852	0.754	0.828

Prepared by NDS/ATD

VOLUME

E Avenue G W/O 30th St E

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_024

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	235	222	457

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			2		0		2		12:00			3		2		5	
00:15			0		0		0		12:15			4		2		6	
00:30			0		0		0		12:30			2		5		7	
00:45			0	2	1	1	1	3	12:45			1	10	2	11	3	21
01:00			0		0		0		13:00			2		4		6	
01:15			0		0		0		13:15			1		7		8	
01:30			0		0		0		13:30			4		2		6	
01:45			1	1	0		1	1	13:45			0	7	6	19	6	26
02:00			0		0		0		14:00			6		3		9	
02:15			0		1		1		14:15			4		5		9	
02:30			0		0		0		14:30			3		5		8	
02:45			0		0	1	0	1	14:45			3	16	3	16	6	32
03:00			0		0		0		15:00			3		6		9	
03:15			1		0		1		15:15			1		8		9	
03:30			0		0		0		15:30			4		10		14	
03:45			0	1	1	1	1	2	15:45			5	13	5	29	10	42
04:00			0		0		0		16:00			2		9		11	
04:15			2		0		2		16:15			5		5		10	
04:30			0		2		2		16:30			3		4		7	
04:45			0	2	0	2	0	4	16:45			2	12	3	21	5	33
05:00			0		0		0		17:00			10		6		16	
05:15			2		3		5		17:15			4		4		8	
05:30			0		1		1		17:30			8		4		12	
05:45			0	2	2	6	2	8	17:45			3	25	2	16	5	41
06:00			5		2		7		18:00			5		1		6	
06:15			4		1		5		18:15			6		2		8	
06:30			5		6		11		18:30			3		2		5	
06:45			9	23	5	14	14	37	18:45			4	18	2	7	6	25
07:00			6		7		13		19:00			2		0		2	
07:15			9		9		18		19:15			4		2		6	
07:30			7		5		12		19:30			3		1		4	
07:45			5	27	5	26	10	53	19:45			1	10	1	4	2	14
08:00			7		3		10		20:00			1		3		4	
08:15			6		3		9		20:15			2		1		3	
08:30			3		3		6		20:30			1		0		1	
08:45			5	21	2	11	7	32	20:45			1	5	1	5	2	10
09:00			4		2		6		21:00			0		2		2	
09:15			1		2		3		21:15			1		2		3	
09:30			6		2		8		21:30			1		0		1	
09:45			4	15	4	10	8	25	21:45			1	3	0	4	1	7
10:00			2		3		5		22:00			1		2		3	
10:15			1		1		2		22:15			0		1		1	
10:30			1		2		3		22:30			1		0		1	
10:45			2	6	2	8	4	14	22:45			0	2	2	5	2	7
11:00			3		0		3		23:00			1		0		1	
11:15			2		0		2		23:15			2		2		4	
11:30			2		1		3		23:30			0		0		0	
11:45			3	10	2	3	5	13	23:45			1	4	0	2	1	6
TOTALS				110		83		193	TOTALS				125		139		264
SPLIT %				57.0%		43.0%		42.2%	SPLIT %				47.3%		52.7%		57.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	235	222	457

AM Peak Hour			06:45	06:30	06:45	PM Peak Hour			17:00	15:15	15:30
AM Pk Volume			31	27	57	PM Pk Volume			25	32	45
Pk Hr Factor			0.861	0.750	0.792	Pk Hr Factor			0.625	0.800	0.804
7 - 9 Volume	0	0	48	37	85	4 - 6 Volume	0	0	37	37	74
7 - 9 Peak Hour			07:15	07:00	07:00	4 - 6 Peak Hour			17:00	16:00	16:45
7 - 9 Pk Volume	0	0	28	26	53	4 - 6 Pk Volume	0	0	25	21	41
Pk Hr Factor	0.000	0.000	0.778	0.722	0.736	Pk Hr Factor	0.000	0.000	0.625	0.583	0.641

Prepared by NDS/ATD

VOLUME

90th St E S/O E Avenue J

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_050

DAILY TOTALS	NB	SB	EB	WB	Total
	873	822	0	0	1,695

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	2		1						3		12:00	7		15						22	
00:15	0		4						4		12:15	10		15						25	
00:30	0		3						3		12:30	16		8						24	
00:45	0	2	0	8					0	10	12:45	11	44	13	51					24	95
01:00	4		0						4		13:00	14		11						25	
01:15	0		0						0		13:15	11		13						24	
01:30	3		2						5		13:30	8		10						18	
01:45	0	7	0	2					0	9	13:45	13	46	8	42					21	88
02:00	0		1						1		14:00	17		21						38	
02:15	3		1						4		14:15	15		14						29	
02:30	0		1						1		14:30	17		11						28	
02:45	0	3	1	4					1	7	14:45	21	70	17	63					38	133
03:00	1		2						3		15:00	16		14						30	
03:15	0		0						0		15:15	20		23						43	
03:30	2		0						2		15:30	24		26						50	
03:45	1	4	2	4					3	8	15:45	15	75	29	92					44	167
04:00	3		2						5		16:00	16		23						39	
04:15	2		2						4		16:15	21		22						43	
04:30	2		4						6		16:30	10		20						30	
04:45	0	7	3	11					3	18	16:45	10	57	23	88					33	145
05:00	6		1						7		17:00	14		26						40	
05:15	18		4						22		17:15	15		23						38	
05:30	14		6						20		17:30	9		15						24	
05:45	20	58	8	19					28	77	17:45	15	53	14	78					29	131
06:00	8		8						16		18:00	11		15						26	
06:15	22		16						38		18:15	8		9						17	
06:30	19		10						29		18:30	9		9						18	
06:45	18	67	10	44					28	111	18:45	4	32	9	42					13	74
07:00	19		6						25		19:00	11		10						21	
07:15	12		20						32		19:15	4		5						9	
07:30	30		7						37		19:30	4		5						9	
07:45	19	80	11	44					30	124	19:45	3	22	3	23					6	45
08:00	16		6						22		20:00	5		4						9	
08:15	12		9						21		20:15	3		7						10	
08:30	15		17						32		20:30	5		4						9	
08:45	11	54	5	37					16	91	20:45	3	16	6	21					9	37
09:00	14		10						24		21:00	3		2						5	
09:15	10		11						21		21:15	5		3						8	
09:30	15		8						23		21:30	4		6						10	
09:45	14	53	13	42					27	95	21:45	4	16	1	12					5	28
10:00	12		9						21		22:00	2		3						5	
10:15	17		7						24		22:15	2		1						3	
10:30	16		12						28		22:30	4		3						7	
10:45	4	49	6	34					10	83	22:45	0	8	1	8					1	16
11:00	17		7						24		23:00	0		0						0	
11:15	13		8						21		23:15	2		0						2	
11:30	11		21						32		23:30	1		2						3	
11:45	6	47	14	50					20	97	23:45	0	3	1	3					1	6
TOTALS		431		299						730	TOTALS		442		523						965
SPLIT %		59.0%		41.0%						43.1%	SPLIT %		45.8%		54.2%						56.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	873	822	0	0	1,695

AM Peak Hour	07:00	11:30			07:00	PM Peak Hour	14:45	15:15			15:15
AM Pk Volume	80	65			124	PM Pk Volume	81	101			176
Pk Hr Factor	0.667	0.774			0.838	Pk Hr Factor	0.844	0.871			0.880
7 - 9 Volume	134	81	0	0	215	4 - 6 Volume	110	166	0	0	276
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:00	16:30			16:15
7 - 9 Pk Volume	80	44	0	0	124	4 - 6 Pk Volume	57	92	0	0	146
Pk Hr Factor	0.667	0.550	0.000	0.000	0.838	Pk Hr Factor	0.679	0.885	0.000	0.000	0.849

Prepared by NDS/ATD

VOLUME

140th St E S/O E Avenue J

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_051

DAILY TOTALS	NB	SB	EB	WB	Total
	622	653	0	0	1,275

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	1		3						4		12:00	4		9						13	
00:15	0		2						2		12:15	1		8						9	
00:30	3		2						5		12:30	11		6						17	
00:45	0	4	3	10					3	14	12:45	7	23	1	24					8	47
01:00	3		1						4		13:00	13		11						24	
01:15	0		2						2		13:15	9		6						15	
01:30	0		0						0		13:30	5		6						11	
01:45	0	3	0	3					0	6	13:45	7	34	9	32					16	66
02:00	1		0						1		14:00	6		7						13	
02:15	0		1						1		14:15	6		18						24	
02:30	0		0						0		14:30	5		9						14	
02:45	5	6	0	1					5	7	14:45	7	24	12	46					19	70
03:00	3		3						6		15:00	13		18						31	
03:15	0		4						4		15:15	3		32						35	
03:30	1		2						3		15:30	7		14						21	
03:45	1	5	4	13					5	18	15:45	5	28	23	87					28	115
04:00	3		6						9		16:00	6		22						28	
04:15	4		5						9		16:15	23		18						41	
04:30	4		2						6		16:30	12		32						44	
04:45	6	17	4	17					10	34	16:45	8	49	24	96					32	145
05:00	10		4						14		17:00	7		39						46	
05:15	12		3						15		17:15	5		24						29	
05:30	12		4						16		17:30	1		13						14	
05:45	15	49	6	17					21	66	17:45	7	20	5	81					12	101
06:00	24		6						30		18:00	6		15						21	
06:15	16		4						20		18:15	1		11						12	
06:30	32		2						34		18:30	9		9						18	
06:45	24	96	5	17					29	113	18:45	5	21	0	35					5	56
07:00	16		5						21		19:00	5		12						17	
07:15	11		9						20		19:15	0		7						7	
07:30	17		4						21		19:30	2		2						4	
07:45	9	53	4	22					13	75	19:45	10	17	0	21					10	38
08:00	7		7						14		20:00	3		4						7	
08:15	14		9						23		20:15	1		3						4	
08:30	7		11						18		20:30	4		2						6	
08:45	2	30	12	39					14	69	20:45	8	16	1	10					9	26
09:00	6		2						8		21:00	2		0						2	
09:15	4		6						10		21:15	9		4						13	
09:30	14		2						16		21:30	0		4						4	
09:45	8	32	3	13					11	45	21:45	3	14	5	13					8	27
10:00	7		4						11		22:00	5		5						10	
10:15	10		4						14		22:15	9		3						12	
10:30	4		5						9		22:30	2		2						4	
10:45	1	22	2	15					3	37	22:45	5	21	1	11					6	32
11:00	11		4						15		23:00	3		2						5	
11:15	6		3						9		23:15	6		6						12	
11:30	3		5						8		23:30	1		1						2	
11:45	5	25	5	17					10	42	23:45	3	13	4	13					7	26
TOTALS		342		184						526	TOTALS		280		469						749
SPLIT %		65.0%		35.0%						41.3%	SPLIT %		37.4%		62.6%						58.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	622	653	0	0	1,275

AM Peak Hour	06:00	08:00			06:00	PM Peak Hour	16:15	16:30			16:15
AM Pk Volume	96	39			113	PM Pk Volume	50	119			163
Pk Hr Factor	0.750	0.813			0.831	Pk Hr Factor	0.543	0.763			0.886
7 - 9 Volume	83	61	0	0	144	4 - 6 Volume	69	177	0	0	246
7 - 9 Peak Hour	07:00	08:00			07:00	4 - 6 Peak Hour	16:15	16:30			16:15
7 - 9 Pk Volume	53	39	0	0	75	4 - 6 Pk Volume	50	119	0	0	163
Pk Hr Factor	0.779	0.813	0.000	0.000	0.893	Pk Hr Factor	0.543	0.763	0.000	0.000	0.886

Prepared by NDS/ATD

VOLUME

90th St E S/O E Palmdale Blvd

Day: Wednesday
Date: 1/28/2015

City: Palmdale
Project #: CA15_5025_055

DAILY TOTALS	NB	SB	EB	WB	Total
	3,731	3,819	0	0	7,550

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	4		7						11		12:00	55		76						131	
00:15	7		9						16		12:15	41		59						100	
00:30	4		8						12		12:30	56		52						108	
00:45	5	20	10	34					15	54	12:45	44	196	44	231					88	427
01:00	8		7						15		13:00	50		56						106	
01:15	2		2						4		13:15	45		68						113	
01:30	1		3						4		13:30	54		67						121	
01:45	5	16	3	15					8	31	13:45	59	208	41	232					100	440
02:00	3		5						8		14:00	53		63						116	
02:15	1		6						7		14:15	63		73						136	
02:30	2		3						5		14:30	63		57						120	
02:45	3	9	7	21					10	30	14:45	63	242	69	262					132	504
03:00	7		6						13		15:00	67		67						134	
03:15	7		5						12		15:15	55		61						116	
03:30	7		9						16		15:30	74		81						155	
03:45	14	35	27	47					41	82	15:45	75	271	95	304					170	575
04:00	12		18						30		16:00	59		78						137	
04:15	14		26						40		16:15	62		67						129	
04:30	13		22						35		16:30	78		78						156	
04:45	19	58	32	98					51	156	16:45	61	260	85	308					146	568
05:00	18		17						35		17:00	74		84						158	
05:15	25		36						61		17:15	71		71						142	
05:30	35		30						65		17:30	66		90						156	
05:45	37	115	41	124					78	239	17:45	61	272	74	319					135	591
06:00	31		29						60		18:00	59		73						132	
06:15	45		44						89		18:15	58		69						127	
06:30	50		27						77		18:30	41		66						107	
06:45	45	171	33	133					78	304	18:45	53	211	53	261					106	472
07:00	89		35						124		19:00	40		63						103	
07:15	80		49						129		19:15	32		35						67	
07:30	97		52						149		19:30	42		37						79	
07:45	66	332	55	191					121	523	19:45	37	151	37	172					74	323
08:00	71		36						107		20:00	42		40						82	
08:15	62		29						91		20:15	34		36						70	
08:30	72		36						108		20:30	18		43						61	
08:45	59	264	44	145					103	409	20:45	25	119	31	150					56	269
09:00	57		40						97		21:00	24		27						51	
09:15	57		42						99		21:15	23		23						46	
09:30	49		37						86		21:30	22		29						51	
09:45	59	222	39	158					98	380	21:45	14	83	22	101					36	184
10:00	52		43						95		22:00	16		19						35	
10:15	71		51						122		22:15	16		19						35	
10:30	55		39						94		22:30	5		16						21	
10:45	39	217	50	183					89	400	22:45	7	44	15	69					22	113
11:00	46		55						101		23:00	7		10						17	
11:15	44		63						107		23:15	10		7						17	
11:30	52		48						100		23:30	7		13						20	
11:45	44	186	60	226					104	412	23:45	5	29	5	35					10	64
TOTALS		1645		1375						3020	TOTALS		2086		2444						4530
SPLIT %		54.5%		45.5%						40.0%	SPLIT %		46.0%		54.0%						60.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,731	3,819	0	0	7,550

AM Peak Hour	07:00	11:15			07:00	PM Peak Hour	16:30	16:45			16:30
AM Pk Volume	332	247			523	PM Pk Volume	284	330			602
Pk Hr Factor	0.856	0.813			0.878	Pk Hr Factor	0.910	0.917			0.953
7 - 9 Volume	596	336	0	0	932	4 - 6 Volume	532	627	0	0	1159
7 - 9 Peak Hour	07:00	07:15			07:00	4 - 6 Peak Hour	16:30	16:45			16:30
7 - 9 Pk Volume	332	192	0	0	523	4 - 6 Pk Volume	284	330	0	0	602
Pk Hr Factor	0.856	0.873	0.000	0.000	0.878	Pk Hr Factor	0.910	0.917	0.000	0.000	0.953

Prepared by NDS/ATD

VOLUME

170th St E S/O E Palmdale Blvd

Day: Tuesday
Date: 2/3/2015

City: Palmdale
Project #: CA15_5025_057

DAILY TOTALS	NB	SB	EB	WB	Total
	1,112	1,317	0	0	2,429

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	5		5						10		12:00	12		20						32	
00:15	3		0						3		12:15	11		19						30	
00:30	2		1						3		12:30	26		11						37	
00:45	1	11	3	9					4	20	12:45	9	58	17	67					26	125
01:00	6		0						6		13:00	25		9						34	
01:15	3		1						4		13:15	19		19						38	
01:30	5		4						9		13:30	16		9						25	
01:45	4	18	2	7					6	25	13:45	24	84	17	54					41	138
02:00	3		1						4		14:00	15		16						31	
02:15	1		3						4		14:15	18		10						28	
02:30	2		2						4		14:30	21		17						38	
02:45	4	10	0	6					4	16	14:45	17	71	27	70					44	141
03:00	6		4						10		15:00	19		27						46	
03:15	0		7						7		15:15	17		32						49	
03:30	1		4						5		15:30	17		39						56	
03:45	9	16	10	25					19	41	15:45	26	79	20	118					46	197
04:00	1		15						16		16:00	14		35						49	
04:15	9		18						27		16:15	16		29						45	
04:30	6		16						22		16:30	13		25						38	
04:45	5	21	13	62					18	83	16:45	18	61	29	118					47	179
05:00	11		13						24		17:00	13		15						28	
05:15	16		14						30		17:15	21		29						50	
05:30	15		22						37		17:30	19		31						50	
05:45	16	58	13	62					29	120	17:45	26	79	18	93					44	172
06:00	12		11						23		18:00	10		28						38	
06:15	17		13						30		18:15	17		30						47	
06:30	18		16						34		18:30	17		22						39	
06:45	23	70	9	49					32	119	18:45	15	59	19	99					34	158
07:00	17		17						34		19:00	9		8						17	
07:15	14		6						20		19:15	12		8						20	
07:30	15		14						29		19:30	20		9						29	
07:45	10	56	16	53					26	109	19:45	13	54	17	42					30	96
08:00	12		10						22		20:00	8		8						16	
08:15	8		26						34		20:15	11		14						25	
08:30	16		19						35		20:30	6		6						12	
08:45	8	44	13	68					21	112	20:45	11	36	5	33					16	69
09:00	12		9						21		21:00	9		9						18	
09:15	14		14						28		21:15	8		23						31	
09:30	11		13						24		21:30	15		10						25	
09:45	15	52	14	50					29	102	21:45	5	37	8	50					13	87
10:00	10		15						25		22:00	8		18						26	
10:15	7		11						18		22:15	9		5						14	
10:30	9		10						19		22:30	9		5						14	
10:45	10	36	14	50					24	86	22:45	14	40	14	42					28	82
11:00	5		15						20		23:00	5		10						15	
11:15	15		20						35		23:15	3		3						6	
11:30	17		25						42		23:30	2		4						6	
11:45	13	50	12	72					25	122	23:45	2	12	1	18					3	30
TOTALS		442		513						955	TOTALS		670		804						1474
SPLIT %		46.3%		53.7%						39.3%	SPLIT %		45.5%		54.5%						60.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,112	1,317	0	0	2,429

AM Peak Hour	06:15	11:15			11:15	PM Peak Hour	13:00	15:15			15:15
AM Pk Volume	75	77			134	PM Pk Volume	84	126			200
Pk Hr Factor	0.815	0.770			0.798	Pk Hr Factor	0.840	0.808			0.893
7 - 9 Volume	100	121	0	0	221	4 - 6 Volume	140	211	0	0	351
7 - 9 Peak Hour	07:00	07:45			07:45	4 - 6 Peak Hour	17:00	16:00			16:00
7 - 9 Pk Volume	56	71	0	0	117	4 - 6 Pk Volume	79	118	0	0	179
Pk Hr Factor	0.824	0.683	0.000	0.000	0.836	Pk Hr Factor	0.760	0.843	0.000	0.000	0.913

Prepared by NDS/ATD

VOLUME

87th St E S/O SR-138

Day: Thursday
Date: 1/29/2015

City: Littlerock
Project #: CA15_5025_059

DAILY TOTALS	NB	SB	EB	WB	Total
	251	269	0	0	520

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	1		0						1		12:00	2		2						4	
00:15	0		0						0		12:15	4		3						7	
00:30	0		0						0		12:30	0		4						4	
00:45	0	1	1	1					1	2	12:45	4	10	4	13					8	23
01:00	0		0						0		13:00	3		4						7	
01:15	0		0						0		13:15	4		2						6	
01:30	0		2						2		13:30	2		1						3	
01:45	0		0	2					0	2	13:45	2	11	2	9					4	20
02:00	0		0						0		14:00	4		0						4	
02:15	0		1						1		14:15	3		0						3	
02:30	0		0						0		14:30	2		6						8	
02:45	0		0	1					0	1	14:45	2	11	4	10					6	21
03:00	0		0						0		15:00	3		6						9	
03:15	0		0						0		15:15	7		2						9	
03:30	0		2						2		15:30	9		6						15	
03:45	0		0	2					0	2	15:45	7	26	5	19					12	45
04:00	0		0						0		16:00	6		5						11	
04:15	1		1						2		16:15	8		8						16	
04:30	0		1						1		16:30	10		6						16	
04:45	2	3	2	4					4	7	16:45	5	29	2	21					7	50
05:00	1		4						5		17:00	7		5						12	
05:15	5		6						11		17:15	6		4						10	
05:30	2		5						7		17:30	13		1						14	
05:45	2	10	7	22					9	32	17:45	4	30	5	15					9	45
06:00	1		11						12		18:00	13		6						19	
06:15	3		9						12		18:15	3		3						6	
06:30	1		2						3		18:30	3		0						3	
06:45	9	14	3	25					12	39	18:45	5	24	2	11					7	35
07:00	2		7						9		19:00	3		2						5	
07:15	6		6						12		19:15	4		2						6	
07:30	2		3						5		19:30	4		3						7	
07:45	6	16	3	19					9	35	19:45	0	11	0	7					0	18
08:00	1		9						10		20:00	1		3						4	
08:15	4		9						13		20:15	1		5						6	
08:30	2		3						5		20:30	5		1						6	
08:45	4	11	11	32					15	43	20:45	2	9	0	9					2	18
09:00	2		3						5		21:00	1		1						2	
09:15	3		5						8		21:15	0		0						0	
09:30	1		6						7		21:30	1		0						1	
09:45	1	7	3	17					4	24	21:45	0	2	1	2					1	4
10:00	5		5						10		22:00	0		0						0	
10:15	2		1						3		22:15	0		1						1	
10:30	5		4						9		22:30	0		0						0	
10:45	3	15	3	13					6	28	22:45	1	1	0	1					1	2
11:00	0		2						2		23:00	0		0						0	
11:15	1		3						4		23:15	0		0						0	
11:30	2		4						6		23:30	0		0						0	
11:45	7	10	4	13					11	23	23:45	0		1	1					1	1
TOTALS		87		151						238	TOTALS		164		118						282
SPLIT %		36.6%		63.4%						45.8%	SPLIT %		58.2%		41.8%						54.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	251	269	0	0	520

AM Peak Hour	06:45	05:30			08:00	PM Peak Hour	17:15	15:30			15:45
AM Pk Volume	19	32			43	PM Pk Volume	36	24			55
Pk Hr Factor	0.528	0.727			0.717	Pk Hr Factor	0.692	0.750			0.859
7 - 9 Volume	27	51	0	0	78	4 - 6 Volume	59	36	0	0	95
7 - 9 Peak Hour	07:00	08:00			08:00	4 - 6 Peak Hour	16:45	16:00			16:15
7 - 9 Pk Volume	16	32	0	0	43	4 - 6 Pk Volume	31	21	0	0	51
Pk Hr Factor	0.667	0.727	0.000	0.000	0.717	Pk Hr Factor	0.596	0.656	0.000	0.000	0.797

Prepared by NDS/ATD

VOLUME

106th St E S/O SR-138

Day: Wednesday
Date: 1/28/2015

City: Pearblossom
Project #: CA15_5025_060

DAILY TOTALS	NB	SB	EB	WB	Total
	118	121	0	0	239

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	0		0						0		12:00	2		0						2	
00:15	0		0						0		12:15	1		0						1	
00:30	0		0						0		12:30	1		0						1	
00:45	0		0						0		12:45	1	5	3	3					4	8
01:00	0		0						0		13:00	1		3						4	
01:15	0		0						0		13:15	2		4						6	
01:30	0		0						0		13:30	0		3						3	
01:45	0		0						0		13:45	5	8	1	11					6	19
02:00	0		0						0		14:00	1		0						1	
02:15	0		0						0		14:15	3		1						4	
02:30	0		0						0		14:30	2		1						3	
02:45	0		0						0		14:45	2	8	5	7					7	15
03:00	0		0						0		15:00	0		5						5	
03:15	0		0						0		15:15	1		1						2	
03:30	1		0						1		15:30	1		2						3	
03:45	1	2	1	1					2	3	15:45	3	5	4	12					7	17
04:00	1		0						1		16:00	0		1						1	
04:15	1		0						1		16:15	4		4						8	
04:30	0		0						0		16:30	4		4						8	
04:45	1	3	0						1	3	16:45	0	8	4	13					4	21
05:00	1		0						1		17:00	4		2						6	
05:15	0		2						2		17:15	1		4						5	
05:30	0		0						0		17:30	2		1						3	
05:45	0	1	0	2					0	3	17:45	1	8	2	9					3	17
06:00	3		1						4		18:00	1		3						4	
06:15	6		1						7		18:15	3		3						6	
06:30	1		1						2		18:30	3		1						4	
06:45	4	14	0	3					4	17	18:45	2	9	1	8					3	17
07:00	4		0						4		19:00	1		2						3	
07:15	6		5						11		19:15	1		2						3	
07:30	1		1						2		19:30	1		1						2	
07:45	1	12	3	9					4	21	19:45	0	3	3	8					3	11
08:00	3		0						3		20:00	2		0						2	
08:15	2		1						3		20:15	1		1						2	
08:30	4		3						7		20:30	1		0						1	
08:45	2	11	3	7					5	18	20:45	0	4	0	1					0	5
09:00	1		0						1		21:00	0		4						4	
09:15	0		0						0		21:15	0		4						4	
09:30	2		0						2		21:30	1		1						2	
09:45	1	4	2	2					3	6	21:45	2	3	2	11					4	14
10:00	0		1						1		22:00	0		2						2	
10:15	1		0						1		22:15	0		0						0	
10:30	1		0						1		22:30	0		0						0	
10:45	3	5	2	3					5	8	22:45	1	1	0	2					1	3
11:00	2		2						4		23:00	0		0						0	
11:15	0		0						0		23:15	0		0						0	
11:30	2		2						4		23:30	0		2						2	
11:45	0	4	3	7					3	11	23:45	0		0	2					0	2
TOTALS		56		34						90	TOTALS		62		87						149
SPLIT %		62.2%		37.8%						37.7%	SPLIT %		41.6%		58.4%						62.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	118	121	0	0	239

AM Peak Hour	06:15	07:00			06:30	PM Peak Hour	16:15	16:15			16:15
AM Pk Volume	15	9			21	PM Pk Volume	12	14			26
Pk Hr Factor	0.625	0.450			0.477	Pk Hr Factor	0.750	0.875			0.813
7 - 9 Volume	23	16	0	0	39	4 - 6 Volume	16	22	0	0	38
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:15	16:15			16:15
7 - 9 Pk Volume	12	9	0	0	21	4 - 6 Pk Volume	12	14	0	0	26
Pk Hr Factor	0.500	0.450	0.000	0.000	0.477	Pk Hr Factor	0.750	0.875	0.000	0.000	0.813

Prepared by NDS/ATD

VOLUME

Longview Rd S/O SR-138

Day: Wednesday
Date: 1/28/2015

City: Pearblossom
Project #: CA15_5025_061

DAILY TOTALS	NB	SB	EB	WB	Total
	732	771	0	0	1,503

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	0		0						0		12:00	13		11						24	
00:15	0		2						2		12:15	6		8						14	
00:30	0		0						0		12:30	11		11						22	
00:45	2	2	3	5					5	7	12:45	10	40	20	50					30	90
01:00	3		2						5		13:00	7		9						16	
01:15	0		2						2		13:15	14		14						28	
01:30	0		0						0		13:30	14		15						29	
01:45	0	3	0	4					0	7	13:45	11	46	20	58					31	104
02:00	1		0						1		14:00	14		11						25	
02:15	0		0						0		14:15	13		21						34	
02:30	1		1						2		14:30	15		15						30	
02:45	1	3	3	4					4	7	14:45	7	49	20	67					27	116
03:00	1		2						3		15:00	27		13						40	
03:15	0		0						0		15:15	12		16						28	
03:30	2		1						3		15:30	14		20						34	
03:45	3	6	0	3					3	9	15:45	9	62	16	65					25	127
04:00	6		0						6		16:00	7		17						24	
04:15	8		1						9		16:15	11		22						33	
04:30	6		2						8		16:30	8		17						25	
04:45	7	27	0	3					7	30	16:45	13	39	22	78					35	117
05:00	0		1						1		17:00	18		20						38	
05:15	7		3						10		17:15	14		17						31	
05:30	5		2						7		17:30	14		20						34	
05:45	5	17	3	9					8	26	17:45	11	57	11	68					22	125
06:00	14		1						15		18:00	9		12						21	
06:15	8		0						8		18:15	7		10						17	
06:30	8		1						9		18:30	8		11						19	
06:45	10	40	6	8					16	48	18:45	5	29	18	51					23	80
07:00	16		9						25		19:00	9		8						17	
07:15	10		7						17		19:15	2		12						14	
07:30	18		5						23		19:30	7		11						18	
07:45	11	55	9	30					20	85	19:45	5	23	4	35					9	58
08:00	11		12						23		20:00	6		6						12	
08:15	22		13						35		20:15	6		9						15	
08:30	16		20						36		20:30	3		11						14	
08:45	16	65	9	54					25	119	20:45	4	19	9	35					13	54
09:00	11		3						14		21:00	4		7						11	
09:15	6		10						16		21:15	5		11						16	
09:30	11		6						17		21:30	1		6						7	
09:45	13	41	7	26					20	67	21:45	2	12	3	27					5	39
10:00	13		7						20		22:00	2		4						6	
10:15	12		10						22		22:15	2		3						5	
10:30	8		8						16		22:30	1		4						5	
10:45	13	46	11	36					24	82	22:45	1	6	2	13					3	19
11:00	12		8						20		23:00	2		1						3	
11:15	7		6						13		23:15	0		4						4	
11:30	12		9						21		23:30	0		2						2	
11:45	10	41	11	34					21	75	23:45	2	4	1	8					3	12
TOTALS		346		216						562	TOTALS		386		555						941
SPLIT %		61.6%		38.4%						37.4%	SPLIT %		41.0%		59.0%						62.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	732	771	0	0	1,503

AM Peak Hour	08:00	07:45			08:00	PM Peak Hour	14:15	16:15			16:45
AM Pk Volume	65	54			119	PM Pk Volume	62	81			138
Pk Hr Factor	0.739	0.675			0.826	Pk Hr Factor	0.574	0.920			0.908
7 - 9 Volume	120	84	0	0	204	4 - 6 Volume	96	146	0	0	242
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	16:45	16:15			16:45
7 - 9 Pk Volume	65	54	0	0	119	4 - 6 Pk Volume	59	81	0	0	138
Pk Hr Factor	0.739	0.675	0.000	0.000	0.826	Pk Hr Factor	0.819	0.920	0.000	0.000	0.908

Prepared by NDS/ATD

VOLUME

165th St E S/O SR-138

Day: Wednesday
Date: 1/28/2015

City: Llano
Project #: CA15_5025_062

DAILY TOTALS	NB	SB	EB	WB	Total
	344	466	0	0	810

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	0		2						2		12:00	7		9						16	
00:15	0		0						0		12:15	11		6						17	
00:30	0		0						0		12:30	8		12						20	
00:45	1	1	1	3					2	4	12:45	7	33	11	38					18	71
01:00	0		2						2		13:00	5		11						16	
01:15	0		0						0		13:15	9		8						17	
01:30	0		0						0		13:30	7		3						10	
01:45	0		0	2					0	2	13:45	9	30	3	25					12	55
02:00	0		1						1		14:00	10		8						18	
02:15	0		0						0		14:15	3		6						9	
02:30	0		0						0		14:30	13		7						20	
02:45	0		0	1					0	1	14:45	9	35	11	32					20	67
03:00	0		1						1		15:00	17		12						29	
03:15	0		0						0		15:15	4		9						13	
03:30	1		0						1		15:30	12		13						25	
03:45	4	5	0	1					4	6	15:45	12	45	11	45					23	90
04:00	0		0						0		16:00	7		12						19	
04:15	4		1						5		16:15	6		8						14	
04:30	0		0						0		16:30	6		13						19	
04:45	5	9	0	1					5	10	16:45	1	20	11	44					12	64
05:00	4		0						4		17:00	5		8						13	
05:15	2		1						3		17:15	13		17						30	
05:30	5		3						8		17:30	5		8						13	
05:45	1	12	3	7					4	19	17:45	6	29	18	51					24	80
06:00	1		2						3		18:00	3		8						11	
06:15	7		3						10		18:15	2		10						12	
06:30	10		3						13		18:30	8		4						12	
06:45	2	20	5	13					7	33	18:45	1	14	7	29					8	43
07:00	2		5						7		19:00	1		5						6	
07:15	6		8						14		19:15	0		2						2	
07:30	3		10						13		19:30	2		5						7	
07:45	3	14	3	26					6	40	19:45	0	3	7	19					7	22
08:00	3		3						6		20:00	2		4						6	
08:15	1		5						6		20:15	1		5						6	
08:30	1		4						5		20:30	1		1						2	
08:45	2	7	4	16					6	23	20:45	3	7	5	15					8	22
09:00	4		4						8		21:00	0		7						7	
09:15	5		7						12		21:15	1		0						1	
09:30	1		4						5		21:30	0		2						2	
09:45	5	15	8	23					13	38	21:45	0	1	5	14					5	15
10:00	2		6						8		22:00	0		1						1	
10:15	3		5						8		22:15	1		2						3	
10:30	7		8						15		22:30	2		0						2	
10:45	0	12	6	25					6	37	22:45	0	3	2	5					2	8
11:00	2		7						9		23:00	0		0						0	
11:15	8		7						15		23:15	0		1						1	
11:30	9		10						19		23:30	0		0						0	
11:45	10	29	5	29					15	58	23:45	0		1	2					1	2
TOTALS		124		147						271	TOTALS		220		319						539
SPLIT %		45.8%		54.2%						33.5%	SPLIT %		40.8%		59.2%						66.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	344	466	0	0	810

AM Peak Hour	11:30	11:45			11:45	PM Peak Hour	15:00	17:00			15:00
AM Pk Volume	37	32			68	PM Pk Volume	45	51			90
Pk Hr Factor	0.841	0.667			0.850	Pk Hr Factor	0.662	0.708			0.776
7 - 9 Volume	21	42	0	0	63	4 - 6 Volume	49	95	0	0	144
7 - 9 Peak Hour	07:15	07:00			07:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	15	26	0	0	40	4 - 6 Pk Volume	29	51	0	0	80
Pk Hr Factor	0.625	0.650	0.000	0.000	0.714	Pk Hr Factor	0.558	0.708	0.000	0.000	0.667

Prepared by NDS/ATD

VOLUME

Sierra Hwy S/O Angeles Forest Hwy

Day: Wednesday
Date: 1/28/2015

City: Palmdale
Project #: CA15_5025_063

DAILY TOTALS	NB	SB	EB	WB	Total
	4,414	5,382	0	0	9,796

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	8		3						11		12:00	40		32						72	
00:15	7		0						7		12:15	31		29						60	
00:30	7		2						9		12:30	40		38						78	
00:45	2	24	3	8					5	32	12:45	34	145	34	133					68	278
01:00	2		1						3		13:00	45		30						75	
01:15	5		1						6		13:15	46		26						72	
01:30	4		1						5		13:30	50		50						100	
01:45	2	13	2	5					4	18	13:45	42	183	31	137					73	320
02:00	0		4						4		14:00	51		32						83	
02:15	2		0						2		14:15	67		43						110	
02:30	2		0						2		14:30	48		39						87	
02:45	2	6	1	5					3	11	14:45	72	238	36	150					108	388
03:00	1		3						4		15:00	84		32						116	
03:15	1		4						5		15:15	108		38						146	
03:30	7		5						12		15:30	122		30						152	
03:45	6	15	17	29					23	44	15:45	107	421	42	142					149	563
04:00	10		50						60		16:00	115		35						150	
04:15	14		42						56		16:15	137		42						179	
04:30	2		104						106		16:30	166		42						208	
04:45	6	32	352	548					358	580	16:45	185	603	38	157					223	760
05:00	6		458						464		17:00	172		42						214	
05:15	10		375						385		17:15	257		37						294	
05:30	17		305						322		17:30	211		21						232	
05:45	6	39	285	1423					291	1462	17:45	197	837	37	137					234	974
06:00	11		261						272		18:00	178		19						197	
06:15	11		221						232		18:15	206		23						229	
06:30	23		204						227		18:30	134		30						164	
06:45	11	56	205	891					216	947	18:45	122	640	21	93					143	733
07:00	34		196						230		19:00	89		14						103	
07:15	21		174						195		19:15	67		13						80	
07:30	26		126						152		19:30	75		24						99	
07:45	22	103	121	617					143	720	19:45	47	278	14	65					61	343
08:00	34		98						132		20:00	37		13						50	
08:15	34		95						129		20:15	24		11						35	
08:30	34		57						91		20:30	24		11						35	
08:45	23	125	51	301					74	426	20:45	21	106	17	52					38	158
09:00	25		42						67		21:00	14		11						25	
09:15	36		41						77		21:15	26		4						30	
09:30	36		34						70		21:30	21		6						27	
09:45	42	139	30	147					72	286	21:45	22	83	10	31					32	114
10:00	29		39						68		22:00	21		6						27	
10:15	27		30						57		22:15	7		9						16	
10:30	32		26						58		22:30	10		3						13	
10:45	38	126	38	133					76	259	22:45	11	49	8	26					19	75
11:00	35		39						74		23:00	7		1						8	
11:15	33		34						67		23:15	5		2						7	
11:30	33		29						62		23:30	5		3						8	
11:45	27	128	43	145					70	273	23:45	8	25	1	7					9	32
TOTALS		806		4252						5058	TOTALS		3608		1130						4738
SPLIT %		15.9%		84.1%						51.6%	SPLIT %		76.2%		23.8%						48.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	4,414	5,382	0	0	9,796

AM Peak Hour	09:15	04:45			04:45	PM Peak Hour	17:15	16:15			17:00
AM Pk Volume	143	1490			1529	PM Pk Volume	843	164			974
Pk Hr Factor	0.851	0.813			0.824	Pk Hr Factor	0.820	0.976			0.828
7 - 9 Volume	228	918	0	0	1146	4 - 6 Volume	1440	294	0	0	1734
7 - 9 Peak Hour	08:00	07:00			07:00	4 - 6 Peak Hour	17:00	16:15			17:00
7 - 9 Pk Volume	125	617	0	0	720	4 - 6 Pk Volume	837	164	0	0	974
Pk Hr Factor	0.919	0.787	0.000	0.000	0.783	Pk Hr Factor	0.814	0.976	0.000	0.000	0.828

Prepared by NDS/ATD

VOLUME

Angeles Forest Highway S/O E Carson Mesa Rd

Day: Wednesday
Date: 1/28/2015

City: Palmdale
Project #: CA15_5025_064

DAILY TOTALS	NB	SB	EB	WB	Total
	1,740	1,782	0	0	3,522

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	1		0						1		12:00	13		10						23	
00:15	2		0						2		12:15	17		11						28	
00:30	1		0						1		12:30	16		15						31	
00:45	0	4	1	1					1	5	12:45	8	54	22	58					30	112
01:00	0		0						0		13:00	14		9						23	
01:15	0		0						0		13:15	22		12						34	
01:30	0		0						0		13:30	14		18						32	
01:45	1	1	1	1					2	2	13:45	16	66	10	49					26	115
02:00	0		0						0		14:00	18		10						28	
02:15	1		0						1		14:15	25		21						46	
02:30	1		1						2		14:30	19		18						37	
02:45	1	3	0	1					1	4	14:45	20	82	12	61					32	143
03:00	1		1						2		15:00	28		11						39	
03:15	1		0						1		15:15	37		12						49	
03:30	2		1						3		15:30	68		12						80	
03:45	3	7	2	4					5	11	15:45	34	167	13	48					47	215
04:00	2		7						9		16:00	44		14						58	
04:15	4		4						8		16:15	41		16						57	
04:30	7		9						16		16:30	67		20						87	
04:45	8	21	24	44					32	65	16:45	69	221	17	67					86	288
05:00	4		42						46		17:00	66		15						81	
05:15	4		75						79		17:15	139		17						156	
05:30	6		75						81		17:30	88		11						99	
05:45	1	15	114	306					115	321	17:45	88	381	14	57					102	438
06:00	5		119						124		18:00	71		4						75	
06:15	8		117						125		18:15	82		4						86	
06:30	12		106						118		18:30	46		12						58	
06:45	8	33	95	437					103	470	18:45	40	239	9	29					49	268
07:00	17		88						105		19:00	36		5						41	
07:15	11		67						78		19:15	24		11						35	
07:30	13		59						72		19:30	28		8						36	
07:45	12	53	60	274					72	327	19:45	13	101	3	27					16	128
08:00	9		30						39		20:00	10		4						14	
08:15	9		36						45		20:15	6		3						9	
08:30	10		27						37		20:30	5		2						7	
08:45	7	35	21	114					28	149	20:45	6	27	4	13					10	40
09:00	11		16						27		21:00	3		8						11	
09:15	17		11						28		21:15	7		1						8	
09:30	14		17						31		21:30	4		3						7	
09:45	17	59	8	52					25	111	21:45	5	19	2	14					7	33
10:00	14		25						39		22:00	4		3						7	
10:15	15		12						27		22:15	1		2						3	
10:30	25		12						37		22:30	2		1						3	
10:45	19	73	8	57					27	130	22:45	3	10	2	8					5	18
11:00	15		16						31		23:00	1		0						1	
11:15	17		17						34		23:15	2		2						4	
11:30	14		10						24		23:30	3		2						5	
11:45	16	62	13	56					29	118	23:45	1	7	0	4					1	11
TOTALS		366		1347						1713	TOTALS		1374		435						1809
SPLIT %		21.4%		78.6%						48.6%	SPLIT %		76.0%		24.0%						51.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,740	1,782	0	0	3,522

AM Peak Hour	10:30	05:45			05:45	PM Peak Hour	17:15	16:30			17:00
AM Pk Volume	76	456			482	PM Pk Volume	386	69			438
Pk Hr Factor	0.760	0.958			0.964	Pk Hr Factor	0.694	0.863			0.702
7 - 9 Volume	88	388	0	0	476	4 - 6 Volume	602	124	0	0	726
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	17:00	16:30			17:00
7 - 9 Pk Volume	53	274	0	0	327	4 - 6 Pk Volume	381	69	0	0	438
Pk Hr Factor	0.779	0.778	0.000	0.000	0.779	Pk Hr Factor	0.685	0.863	0.000	0.000	0.702

Prepared by NDS/ATD

VOLUME

Crown Valley Rd N/O Sierra Hwy

Day: Thursday
Date: 1/29/2015

City: Acton
Project #: CA15_5025_065

DAILY TOTALS	NB	SB	EB	WB	Total
	814	805	0	0	1,619

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	5		1						6		12:00	14		19						33	
00:15	0		0						0		12:15	11		15						26	
00:30	0		0						0		12:30	14		10						24	
00:45	4	9	0	1					4	10	12:45	8	47	15	59					23	106
01:00	2		1						3		13:00	8		15						23	
01:15	1		2						3		13:15	14		5						19	
01:30	1		0						1		13:30	7		13						20	
01:45	1	5	0	3					1	8	13:45	14	43	10	43					24	86
02:00	1		1						2		14:00	15		12						27	
02:15	0		0						0		14:15	9		10						19	
02:30	2		0						2		14:30	11		17						28	
02:45	1	4	0	1					1	5	14:45	26	61	10	49					36	110
03:00	0		1						1		15:00	17		16						33	
03:15	0		2						2		15:15	25		14						39	
03:30	0		0						0		15:30	23		14						37	
03:45	0		0	3					0	3	15:45	26	91	11	55					37	146
04:00	1		1						2		16:00	19		12						31	
04:15	3		3						6		16:15	16		13						29	
04:30	1		8						9		16:30	22		13						35	
04:45	2	7	8	20					10	27	16:45	23	80	13	51					36	131
05:00	2		11						13		17:00	27		18						45	
05:15	2		15						17		17:15	21		9						30	
05:30	1		8						9		17:30	20		14						34	
05:45	2	7	9	43					11	50	17:45	14	82	9	50					23	132
06:00	1		7						8		18:00	21		7						28	
06:15	1		11						12		18:15	11		9						20	
06:30	4		9						13		18:30	11		11						22	
06:45	5	11	20	47					25	58	18:45	18	61	8	35					26	96
07:00	5		16						21		19:00	13		10						23	
07:15	6		16						22		19:15	15		11						26	
07:30	7		21						28		19:30	11		4						15	
07:45	10	28	24	77					34	105	19:45	17	56	2	27					19	83
08:00	9		20						29		20:00	2		5						7	
08:15	15		19						34		20:15	6		2						8	
08:30	16		24						40		20:30	10		4						14	
08:45	10	50	16	79					26	129	20:45	4	22	2	13					6	35
09:00	7		14						21		21:00	16		2						18	
09:15	5		9						14		21:15	13		2						15	
09:30	9		12						21		21:30	5		1						6	
09:45	3	24	8	43					11	67	21:45	5	39	2	7					7	46
10:00	5		9						14		22:00	3		1						4	
10:15	7		14						21		22:15	3		1						4	
10:30	6		12						18		22:30	5		1						6	
10:45	10	28	11	46					21	74	22:45	4	15	1	4					5	19
11:00	5		12						17		23:00	3		0						3	
11:15	8		11						19		23:15	0		1						1	
11:30	13		10						23		23:30	1		1						2	
11:45	10	36	14	47					24	83	23:45	4	8	0	2					4	10
TOTALS		209		410						619	TOTALS		605		395						1000
SPLIT %		33.8%		66.2%						38.2%	SPLIT %		60.5%		39.5%						61.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	814	805	0	0	1,619

AM Peak Hour	07:45	07:45			07:45	PM Peak Hour	15:15	12:00			15:00
AM Pk Volume	50	87			137	PM Pk Volume	93	59			146
Pk Hr Factor	0.781	0.906			0.856	Pk Hr Factor	0.894	0.776			0.936
7 - 9 Volume	78	156	0	0	234	4 - 6 Volume	162	101	0	0	263
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	16:30	16:15			16:30
7 - 9 Pk Volume	50	87	0	0	137	4 - 6 Pk Volume	93	57	0	0	146
Pk Hr Factor	0.781	0.906	0.000	0.000	0.856	Pk Hr Factor	0.861	0.792	0.000	0.000	0.811

Prepared by NDS/ATD

VOLUME

Sierra Hwy W/O Ward Rd

Day: Thursday
Date: 1/29/2015

City: Acton
Project #: CA15_5025_068

DAILY TOTALS	NB	SB	EB	WB	Total
	3,458	3,535	0	0	6,993

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	4		5						9		12:00	29		36						65	
00:15	6		2						8		12:15	24		27						51	
00:30	0		6						6		12:30	27		29						56	
00:45	1	11	7	20					8	31	12:45	26	106	35	127					61	233
01:00	1		2						3		13:00	32		32						64	
01:15	0		1						1		13:15	39		26						65	
01:30	2		1						3		13:30	41		40						81	
01:45	2	5	1	5					3	10	13:45	37	149	38	136					75	285
02:00	1		9						10		14:00	19		50						69	
02:15	3		1						4		14:15	32		40						72	
02:30	3		2						5		14:30	41		43						84	
02:45	0	7	4	16					4	23	14:45	36	128	53	186					89	314
03:00	3		4						7		15:00	44		56						100	
03:15	5		1						6		15:15	41		63						104	
03:30	5		5						10		15:30	42		73						115	
03:45	4	17	0	10					4	27	15:45	34	161	108	300					142	461
04:00	13		5						18		16:00	35		110						145	
04:15	25		3						28		16:15	39		110						149	
04:30	21		6						27		16:30	27		114						141	
04:45	58	117	6	20					64	137	16:45	49	150	143	477					192	627
05:00	118		12						130		17:00	41		134						175	
05:15	188		7						195		17:15	34		150						184	
05:30	198		6						204		17:30	44		140						184	
05:45	161	665	13	38					174	703	17:45	35	154	159	583					194	737
06:00	160		8						168		18:00	26		111						137	
06:15	165		13						178		18:15	31		164						195	
06:30	148		26						174		18:30	23		85						108	
06:45	97	570	26	73					123	643	18:45	21	101	69	429					90	530
07:00	143		36						179		19:00	19		50						69	
07:15	93		55						148		19:15	26		35						61	
07:30	66		55						121		19:30	21		35						56	
07:45	59	361	36	182					95	543	19:45	17	83	37	157					54	240
08:00	49		27						76		20:00	24		27						51	
08:15	53		42						95		20:15	10		16						26	
08:30	56		49						105		20:30	13		23						36	
08:45	41	199	26	144					67	343	20:45	10	57	16	82					26	139
09:00	30		34						64		21:00	15		16						31	
09:15	26		41						67		21:15	15		19						34	
09:30	27		33						60		21:30	15		9						24	
09:45	27	110	33	141					60	251	21:45	11	56	8	52					19	108
10:00	20		41						61		22:00	10		21						31	
10:15	28		39						67		22:15	10		9						19	
10:30	29		37						66		22:30	5		9						14	
10:45	23	100	31	148					54	248	22:45	5	30	14	53					19	83
11:00	22		36						58		23:00	6		4						10	
11:15	23		28						51		23:15	3		8						11	
11:30	28		28						56		23:30	6		11						17	
11:45	31	104	38	130					69	234	23:45	2	17	3	26					5	43
TOTALS		2266		927						3193	TOTALS		1192		2608						3800
SPLIT %		71.0%		29.0%						45.7%	SPLIT %		31.4%		68.6%						54.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,458	3,535	0	0	6,993

AM Peak Hour	05:15	07:00			05:15	PM Peak Hour	16:45	17:00			17:00
AM Pk Volume	707	182			741	PM Pk Volume	168	583			737
Pk Hr Factor	0.893	0.827			0.908	Pk Hr Factor	0.857	0.917			0.950
7 - 9 Volume	560	326	0	0	886	4 - 6 Volume	304	1060	0	0	1364
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	361	182	0	0	543	4 - 6 Pk Volume	168	583	0	0	737
Pk Hr Factor	0.631	0.827	0.000	0.000	0.758	Pk Hr Factor	0.857	0.917	0.000	0.000	0.950

Prepared by NDS/ATD

VOLUME

Aqua Dulce Canyon Rd N/O SR-14 WB Ramps

Day: Thursday
Date: 1/29/2015

City: Santa Clarita
Project #: CA15_5025_070

DAILY TOTALS	NB	SB	EB	WB	Total
	1,519	1,411	0	0	2,930

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	4		1						5		12:00	21		17						38	
00:15	3		3						6		12:15	9		22						31	
00:30	3		0						3		12:30	28		25						53	
00:45	0	10	2	6					2	16	12:45	27	85	24	88					51	173
01:00	1		1						2		13:00	23		25						48	
01:15	2		2						4		13:15	28		25						53	
01:30	4		0						4		13:30	22		20						42	
01:45	1	8	0	3					1	11	13:45	24	97	25	95					49	192
02:00	0		1						1		14:00	25		20						45	
02:15	0		2						2		14:15	31		18						49	
02:30	1		1						2		14:30	44		21						65	
02:45	2	3	1	5					3	8	14:45	23	123	70	129					93	252
03:00	0		2						2		15:00	29		22						51	
03:15	0		0						0		15:15	37		33						70	
03:30	1		0						1		15:30	21		26						47	
03:45	1	2	0	2					1	4	15:45	32	119	24	105					56	224
04:00	2		6						8		16:00	30		30						60	
04:15	2		2						4		16:15	31		15						46	
04:30	0		9						9		16:30	27		30						57	
04:45	0	4	14	31					14	35	16:45	34	122	10	85					44	207
05:00	1		16						17		17:00	45		24						69	
05:15	1		22						23		17:15	38		21						59	
05:30	4		15						19		17:30	32		24						56	
05:45	3	9	10	63					13	72	17:45	20	135	26	95					46	230
06:00	1		9						10		18:00	26		12						38	
06:15	2		5						7		18:15	28		10						38	
06:30	7		11						18		18:30	23		17						40	
06:45	10	20	15	40					25	60	18:45	28	105	9	48					37	153
07:00	11		18						29		19:00	26		9						35	
07:15	16		23						39		19:15	30		6						36	
07:30	24		21						45		19:30	20		3						23	
07:45	49	100	33	95					82	195	19:45	22	98	6	24					28	122
08:00	49		48						97		20:00	21		10						31	
08:15	27		55						82		20:15	15		4						19	
08:30	7		36						43		20:30	10		5						15	
08:45	19	102	36	175					55	277	20:45	17	63	3	22					20	85
09:00	16		24						40		21:00	8		4						12	
09:15	19		23						42		21:15	11		1						12	
09:30	20		30						50		21:30	10		2						12	
09:45	12	67	29	106					41	173	21:45	8	37	2	9					10	46
10:00	22		24						46		22:00	10		1						11	
10:15	18		12						30		22:15	8		5						13	
10:30	14		27						41		22:30	10		4						14	
10:45	18	72	27	90					45	162	22:45	3	31	4	14					7	45
11:00	15		13						28		23:00	9		0						9	
11:15	15		16						31		23:15	5		0						5	
11:30	25		28						53		23:30	3		0						3	
11:45	29	84	23	80					52	164	23:45	6	23	1	1					7	24
TOTALS		481		696						1177	TOTALS		1038		715						1753
SPLIT %		40.9%		59.1%						40.2%	SPLIT %		59.2%		40.8%						59.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,519	1,411	0	0	2,930

AM Peak Hour	07:30	08:00			07:30	PM Peak Hour	16:45	14:45			14:30
AM Pk Volume	149	175			306	PM Pk Volume	149	151			279
Pk Hr Factor	0.760	0.795			0.789	Pk Hr Factor	0.828	0.539			0.750
7 - 9 Volume	202	270	0	0	472	4 - 6 Volume	257	180	0	0	437
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	149	175	0	0	306	4 - 6 Pk Volume	149	95	0	0	230
Pk Hr Factor	0.760	0.795	0.000	0.000	0.789	Pk Hr Factor	0.828	0.913	0.000	0.000	0.833

Prepared by NDS/ATD

VOLUME

Sierra Hwy N/O Davenport Rd

Day: Thursday
Date: 1/29/2015

City: Santa Clarita
Project #: CA15_5025_071

DAILY TOTALS	NB	SB	EB	WB	Total
	3,528	3,520	0	0	7,048

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	7		3						10		12:00	21		36						57	
00:15	6		1						7		12:15	32		28						60	
00:30	5		4						9		12:30	29		31						60	
00:45	6	24	1	9					7	33	12:45	39	121	30	125					69	246
01:00	1		3						4		13:00	31		29						60	
01:15	2		1						3		13:15	37		29						66	
01:30	3		0						3		13:30	36		28						64	
01:45	8	14	0	4					8	18	13:45	32	136	42	128					74	264
02:00	4		3						7		14:00	37		28						65	
02:15	1		4						5		14:15	41		23						64	
02:30	4		1						5		14:30	48		26						74	
02:45	3	12	1	9					4	21	14:45	67	193	32	109					99	302
03:00	2		0						2		15:00	65		22						87	
03:15	2		2						4		15:15	81		34						115	
03:30	2		6						8		15:30	106		29						135	
03:45	2	8	4	12					6	20	15:45	122	374	34	119					156	493
04:00	2		5						7		16:00	114		34						148	
04:15	1		25						26		16:15	107		22						129	
04:30	0		24						24		16:30	158		30						188	
04:45	5	8	38	92					43	100	16:45	135	514	23	109					158	623
05:00	2		85						87		17:00	170		48						218	
05:15	4		137						141		17:15	148		19						167	
05:30	3		227						230		17:30	179		25						204	
05:45	6	15	228	677					234	692	17:45	115	612	22	114					137	726
06:00	5		177						182		18:00	171		22						193	
06:15	9		203						212		18:15	124		20						144	
06:30	20		185						205		18:30	89		22						111	
06:45	22	56	162	727					184	783	18:45	74	458	13	77					87	535
07:00	18		128						146		19:00	44		8						52	
07:15	19		154						173		19:15	50		7						57	
07:30	19		110						129		19:30	56		16						72	
07:45	17	73	61	453					78	526	19:45	48	198	10	41					58	239
08:00	19		60						79		20:00	26		10						36	
08:15	34		60						94		20:15	36		11						47	
08:30	24		69						93		20:30	24		6						30	
08:45	23	100	47	236					70	336	20:45	24	110	6	33					30	143
09:00	33		31						64		21:00	20		4						24	
09:15	30		29						59		21:15	18		12						30	
09:30	19		29						48		21:30	18		10						28	
09:45	30	112	36	125					66	237	21:45	20	76	11	37					31	113
10:00	26		34						60		22:00	23		10						33	
10:15	20		33						53		22:15	15		8						23	
10:30	32		34						66		22:30	16		2						18	
10:45	26	104	41	142					67	246	22:45	11	65	2	22					13	87
11:00	13		30						43		23:00	15		3						18	
11:15	28		22						50		23:15	17		3						20	
11:30	29		32						61		23:30	6		0						6	
11:45	29	99	27	111					56	210	23:45	8	46	3	9					11	55
TOTALS		625		2597						3222	TOTALS		2903		923						3826
SPLIT %		19.4%		80.6%						45.7%	SPLIT %		75.9%		24.1%						54.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,528	3,520	0	0	7,048

AM Peak Hour	08:15	05:30			05:30	PM Peak Hour	16:45	15:15			16:45
AM Pk Volume	114	835			858	PM Pk Volume	632	131			747
Pk Hr Factor	0.838	0.916			0.917	Pk Hr Factor	0.883	0.963			0.857
7 - 9 Volume	173	689	0	0	862	4 - 6 Volume	1126	223	0	0	1349
7 - 9 Peak Hour	08:00	07:00			07:00	4 - 6 Peak Hour	16:45	16:15			16:45
7 - 9 Pk Volume	100	453	0	0	526	4 - 6 Pk Volume	632	123	0	0	747
Pk Hr Factor	0.735	0.735	0.000	0.000	0.760	Pk Hr Factor	0.883	0.641	0.000	0.000	0.857

Prepared by NDS/ATD

VOLUME

Davenport Rd E/O Sierra Hwy

Day: Thursday
Date: 1/29/2015

City: Santa Clarita
Project #: CA15_5025_072

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	960	838	1,798

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			0		0		0		12:00			14		16		30	
00:15			2		2		4		12:15			23		9		32	
00:30			2		0		2		12:30			17		18		35	
00:45			1	5	0	2	1	7	12:45			10	64	17	60	27	124
01:00			2		0		2		13:00			17		8		25	
01:15			0		1		1		13:15			14		9		23	
01:30			1		0		1		13:30			13		12		25	
01:45			1	4	2	3	3	7	13:45			13	57	8	37	21	94
02:00			0		0		0		14:00			17		10		27	
02:15			0		0		0		14:15			24		7		31	
02:30			1		0		1		14:30			20		17		37	
02:45			1	2	0		1	2	14:45			20	81	16	50	36	131
03:00			0		1		1		15:00			16		15		31	
03:15			0		0		0		15:15			19		13		32	
03:30			0		2		2		15:30			19		14		33	
03:45			0		1	4	1	4	15:45			23	77	11	53	34	130
04:00			1		2		3		16:00			20		14		34	
04:15			0		1		1		16:15			20		8		28	
04:30			1		5		6		16:30			28		9		37	
04:45			0	2	4	12	4	14	16:45			24	92	14	45	38	137
05:00			2		3		5		17:00			24		12		36	
05:15			1		11		12		17:15			25		8		33	
05:30			3		23		26		17:30			22		11		33	
05:45			1	7	16	53	17	60	17:45			23	94	8	39	31	133
06:00			2		17		19		18:00			21		8		29	
06:15			3		24		27		18:15			22		6		28	
06:30			5		18		23		18:30			23		7		30	
06:45			6	16	21	80	27	96	18:45			13	79	6	27	19	106
07:00			7		22		29		19:00			11		9		20	
07:15			10		28		38		19:15			16		2		18	
07:30			7		25		32		19:30			7		3		10	
07:45			21	45	19	94	40	139	19:45			25	59	4	18	29	77
08:00			19		33		52		20:00			12		1		13	
08:15			11		26		37		20:15			11		1		12	
08:30			8		16		24		20:30			11		1		12	
08:45			12	50	15	90	27	140	20:45			13	47	1	4	14	51
09:00			4		16		20		21:00			3		1		4	
09:15			11		14		25		21:15			5		1		6	
09:30			5		10		15		21:30			5		1		6	
09:45			9	29	12	52	21	81	21:45			8	21	0	3	8	24
10:00			11		16		27		22:00			5		0		5	
10:15			6		15		21		22:15			12		1		13	
10:30			13		12		25		22:30			6		0		6	
10:45			9	39	14	57	23	96	22:45			7	30	0	1	7	31
11:00			9		15		24		23:00			1		0		1	
11:15			14		13		27		23:15			1		0		1	
11:30			15		3		18		23:30			3		1		4	
11:45			16	54	21	52	37	106	23:45			1	6	1	2	2	8
TOTALS				253		499		752	TOTALS				707		339		1046
SPLIT %				33.6%		66.4%		41.8%	SPLIT %				67.6%		32.4%		58.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	960	838	1,798

AM Peak Hour			11:45	07:15	07:15	PM Peak Hour			16:30	14:30	16:30
AM Pk Volume			70	105	162	PM Pk Volume			101	61	144
Pk Hr Factor			0.761	0.795	0.779	Pk Hr Factor			0.902	0.897	0.947
7 - 9 Volume	0	0	95	184	279	4 - 6 Volume	0	0	186	84	270
7 - 9 Peak Hour			07:45	07:15	07:15	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	59	105	162	4 - 6 Pk Volume	0	0	101	45	144
Pk Hr Factor	0.000	0.000	0.702	0.795	0.779	Pk Hr Factor	0.000	0.000	0.902	0.804	0.947

Prepared by NDS/ATD

VOLUME

Shadow Pines Blvd N/O Soledad Canyon Rd

Day: Thursday
Date: 1/29/2015

City: Canyon Country
Project #: CA15_5025_073

DAILY TOTALS	NB	SB	EB	WB	Total
	3,808	3,773	0	0	7,581

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	14		7						21		12:00	38		33						71	
00:15	12		4						16		12:15	43		57						100	
00:30	12		9						21		12:30	45		46						91	
00:45	14	52	1	21					15	73	12:45	45	171	41	177					86	348
01:00	10		2						12		13:00	47		41						88	
01:15	5		0						5		13:15	43		36						79	
01:30	8		1						9		13:30	53		48						101	
01:45	6	29	2	5					8	34	13:45	56	199	53	178					109	377
02:00	2		5						7		14:00	53		61						114	
02:15	6		2						8		14:15	66		58						124	
02:30	6		0						6		14:30	63		54						117	
02:45	4	18	4	11					8	29	14:45	61	243	50	223					111	466
03:00	3		2						5		15:00	68		41						109	
03:15	1		6						7		15:15	82		38						120	
03:30	0		1						1		15:30	93		54						147	
03:45	5	9	9	18					14	27	15:45	84	327	48	181					132	508
04:00	3		12						15		16:00	100		48						148	
04:15	2		15						17		16:15	99		44						143	
04:30	1		20						21		16:30	95		46						141	
04:45	3	9	28	75					31	84	16:45	103	397	47	185					150	582
05:00	3		42						45		17:00	98		36						134	
05:15	5		61						66		17:15	105		54						159	
05:30	6		61						67		17:30	109		58						167	
05:45	5	19	64	228					69	247	17:45	114	426	64	212					178	638
06:00	4		84						88		18:00	105		62						167	
06:15	13		106						119		18:15	85		58						143	
06:30	8		117						125		18:30	91		42						133	
06:45	8	33	92	399					100	432	18:45	110	391	34	196					144	587
07:00	17		140						157		19:00	83		43						126	
07:15	26		107						133		19:15	62		36						98	
07:30	26		95						121		19:30	78		29						107	
07:45	32	101	83	425					115	526	19:45	66	289	30	138					96	427
08:00	26		73						99		20:00	65		15						80	
08:15	21		63						84		20:15	61		25						86	
08:30	30		67						97		20:30	44		21						65	
08:45	33	110	64	267					97	377	20:45	56	226	25	86					81	312
09:00	23		38						61		21:00	51		15						66	
09:15	23		63						86		21:15	45		22						67	
09:30	32		62						94		21:30	48		16						64	
09:45	34	112	66	229					100	341	21:45	38	182	19	72					57	254
10:00	20		41						61		22:00	39		12						51	
10:15	30		60						90		22:15	36		16						52	
10:30	41		55						96		22:30	24		14						38	
10:45	31	122	53	209					84	331	22:45	25	124	9	51					34	175
11:00	30		47						77		23:00	15		7						22	
11:15	45		37						82		23:15	26		1						27	
11:30	35		47						82		23:30	19		8						27	
11:45	37	147	31	162					68	309	23:45	12	72	9	25					21	97
TOTALS		761		2049						2810	TOTALS		3047		1724						4771
SPLIT %		27.1%		72.9%						37.1%	SPLIT %		63.9%		36.1%						62.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,808	3,773	0	0	7,581

AM Peak Hour	11:45	06:30			07:00	PM Peak Hour	17:15	17:30			17:15
AM Pk Volume	163	456			526	PM Pk Volume	433	242			671
Pk Hr Factor	0.906	0.814			0.838	Pk Hr Factor	0.950	0.945			0.942
7 - 9 Volume	211	692	0	0	903	4 - 6 Volume	823	397	0	0	1220
7 - 9 Peak Hour	07:15	07:00			07:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	110	425	0	0	526	4 - 6 Pk Volume	426	212	0	0	638
Pk Hr Factor	0.859	0.759	0.000	0.000	0.838	Pk Hr Factor	0.934	0.828	0.000	0.000	0.896

Prepared by NDS/ATD

VOLUME

Sierra Hwy N/O Vasquez Canyon Rd

Day: Thursday
Date: 1/29/2015

City: Santa Clarita
Project #: CA15_5025_075

DAILY TOTALS	NB	SB	EB	WB	Total
	4,673	4,602	0	0	9,275

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	8		4						12		12:00	39		65						104	
00:15	9		2						11		12:15	59		55						114	
00:30	6		3						9		12:30	43		47						90	
00:45	6	29	2	11					8	40	12:45	55	196	44	211					99	407
01:00	2		1						3		13:00	56		47						103	
01:15	4		3						7		13:15	43		45						88	
01:30	3		0						3		13:30	53		41						94	
01:45	9	18	2	6					11	24	13:45	45	197	63	196					108	393
02:00	3		2						5		14:00	69		48						117	
02:15	3		5						8		14:15	70		34						104	
02:30	4		1						5		14:30	77		45						122	
02:45	5	15	1	9					6	24	14:45	87	303	52	179					139	482
03:00	0		0						0		15:00	86		44						130	
03:15	3		3						6		15:15	96		45						141	
03:30	4		4						8		15:30	134		63						197	
03:45	4	11	7	14					11	25	15:45	141	457	50	202					191	659
04:00	2		6						8		16:00	144		48						192	
04:15	5		18						23		16:15	141		45						186	
04:30	5		23						28		16:30	173		35						208	
04:45	7	19	39	86					46	105	16:45	174	632	48	176					222	808
05:00	7		74						81		17:00	184		53						237	
05:15	6		140						146		17:15	185		43						228	
05:30	15		244						259		17:30	186		46						232	
05:45	16	44	233	691					249	735	17:45	138	693	40	182					178	875
06:00	15		195						210		18:00	195		29						224	
06:15	24		226						250		18:15	138		39						177	
06:30	26		221						247		18:30	101		29						130	
06:45	35	100	184	826					219	926	18:45	86	520	28	125					114	645
07:00	43		154						197		19:00	61		17						78	
07:15	27		187						214		19:15	70		14						84	
07:30	36		144						180		19:30	60		17						77	
07:45	48	154	96	581					144	735	19:45	63	254	19	67					82	321
08:00	41		93						134		20:00	35		9						44	
08:15	49		99						148		20:15	46		13						59	
08:30	35		90						125		20:30	35		5						40	
08:45	42	167	55	337					97	504	20:45	31	147	7	34					38	181
09:00	45		73						118		21:00	28		6						34	
09:15	37		46						83		21:15	18		16						34	
09:30	32		46						78		21:30	30		8						38	
09:45	45	159	46	211					91	370	21:45	30	106	10	40					40	146
10:00	36		48						84		22:00	28		6						34	
10:15	28		53						81		22:15	26		9						35	
10:30	43		56						99		22:30	20		4						24	
10:45	38	145	51	208					89	353	22:45	13	87	3	22					16	109
11:00	34		48						82		23:00	17		0						17	
11:15	37		41						78		23:15	15		5						20	
11:30	40		39						79		23:30	10		2						12	
11:45	55	166	51	179					106	345	23:45	12	54	2	9					14	63
TOTALS		1027		3159						4186	TOTALS		3646		1443						5089
SPLIT %		24.5%		75.5%						45.1%	SPLIT %		71.6%		28.4%						54.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	4,673	4,602	0	0	9,275

AM Peak Hour	11:45	05:30			05:30	PM Peak Hour	16:45	12:00			16:45
AM Pk Volume	196	898			968	PM Pk Volume	729	211			919
Pk Hr Factor	0.831	0.920			0.934	Pk Hr Factor	0.980	0.812			0.969
7 - 9 Volume	321	918	0	0	1239	4 - 6 Volume	1325	358	0	0	1683
7 - 9 Peak Hour	07:30	07:00			07:00	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	174	581	0	0	735	4 - 6 Pk Volume	729	190	0	0	919
Pk Hr Factor	0.888	0.777	0.000	0.000	0.859	Pk Hr Factor	0.980	0.896	0.000	0.000	0.969

Prepared by NDS/ATD

VOLUME

Copper Hill Dr E/O Copperstone Dr

Day: Thursday
Date: 1/29/2015

City: Valencia
Project #: CA15_5025_076

DAILY TOTALS	NB	SB	EB	WB	Total
	15,270	16,021	0	0	31,291

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	39		9						48		12:00	156		173						329	
00:15	39		5						44		12:15	193		162						355	
00:30	32		7						39		12:30	197		189						386	
00:45	23	133	6	27					29	160	12:45	165	711	188	712					353	1423
01:00	25		7						32		13:00	206		183						389	
01:15	12		10						22		13:15	189		167						356	
01:30	23		7						30		13:30	183		176						359	
01:45	9	69	2	26					11	95	13:45	256	834	170	696					426	1530
02:00	16		5						21		14:00	304		310						614	
02:15	8		4						12		14:15	243		291						534	
02:30	11		8						19		14:30	246		194						440	
02:45	9	44	6	23					15	67	14:45	276	1069	189	984					465	2053
03:00	9		6						15		15:00	360		266						626	
03:15	8		13						21		15:15	361		280						641	
03:30	9		13						22		15:30	395		211						606	
03:45	4	30	21	53					25	83	15:45	334	1450	197	954					531	2404
04:00	5		31						36		16:00	402		192						594	
04:15	5		54						59		16:15	375		183						558	
04:30	10		84						94		16:30	385		200						585	
04:45	16	36	139	308					155	344	16:45	423	1585	204	779					627	2364
05:00	9		169						178		17:00	371		164						535	
05:15	26		220						246		17:15	433		202						635	
05:30	14		356						370		17:30	475		171						646	
05:45	24	73	397	1142					421	1215	17:45	430	1709	214	751					644	2460
06:00	42		339						381		18:00	389		211						600	
06:15	53		346						399		18:15	410		211						621	
06:30	57		431						488		18:30	324		124						448	
06:45	131	283	508	1624					639	1907	18:45	321	1444	115	661					436	2105
07:00	164		416						580		19:00	289		136						425	
07:15	243		460						703		19:15	256		125						381	
07:30	281		670						951		19:30	298		110						408	
07:45	249	937	609	2155					858	3092	19:45	234	1077	99	470					333	1547
08:00	171		434						605		20:00	224		89						313	
08:15	96		478						574		20:15	207		76						283	
08:30	127		323						450		20:30	201		68						269	
08:45	117	511	331	1566					448	2077	20:45	125	757	74	307					199	1064
09:00	129		258						387		21:00	173		77						250	
09:15	84		254						338		21:15	146		66						212	
09:30	98		235						333		21:30	116		50						166	
09:45	99	410	226	973					325	1383	21:45	97	532	44	237					141	769
10:00	127		182						309		22:00	93		32						125	
10:15	94		185						279		22:15	96		37						133	
10:30	99		167						266		22:30	76		33						109	
10:45	115	435	162	696					277	1131	22:45	67	332	22	124					89	456
11:00	120		165						285		23:00	77		19						96	
11:15	131		179						310		23:15	70		21						91	
11:30	162		163						325		23:30	44		17						61	
11:45	167	580	180	687					347	1267	23:45	38	229	9	66					47	295
TOTALS		3541		9280						12821	TOTALS		11729		6741						18470
SPLIT %		27.6%		72.4%						41.0%	SPLIT %		63.5%		36.5%						59.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	15,270	16,021	0	0	31,291

AM Peak Hour	07:15	07:30			07:15	PM Peak Hour	17:15	14:00			17:15
AM Pk Volume	944	2191			3117	PM Pk Volume	1727	984			2525
Pk Hr Factor	0.840	0.818			0.819	Pk Hr Factor	0.909	0.794			0.977
7 - 9 Volume	1448	3721	0	0	5169	4 - 6 Volume	3294	1530	0	0	4824
7 - 9 Peak Hour	07:15	07:30			07:15	4 - 6 Peak Hour	17:00	16:00			17:00
7 - 9 Pk Volume	944	2191	0	0	3117	4 - 6 Pk Volume	1709	779	0	0	2460
Pk Hr Factor	0.840	0.818	0.000	0.000	0.819	Pk Hr Factor	0.899	0.955	0.000	0.000	0.952

Prepared by NDS/ATD

VOLUME

The Old Rd N/O I-5 SB Ramps

Day: Thursday
Date: 1/29/2015

City: Valencia
Project #: CA15_5025_077

DAILY TOTALS	NB	SB	EB	WB	Total
	7,134	7,064	0	0	14,198

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	20		4						24		12:00	93		70						163	
00:15	13		3						16		12:15	87		80						167	
00:30	11		3						14		12:30	90		94						184	
00:45	9	53	6	16					15	69	12:45	107	377	90	334					197	711
01:00	19		3						22		13:00	98		77						175	
01:15	6		7						13		13:15	97		87						184	
01:30	7		3						10		13:30	93		73						166	
01:45	5	37	3	16					8	53	13:45	107	395	81	318					188	713
02:00	9		5						14		14:00	129		82						211	
02:15	5		4						9		14:15	145		96						241	
02:30	5		1						6		14:30	105		150						255	
02:45	7	26	2	12					9	38	14:45	135	514	112	440					247	954
03:00	3		1						4		15:00	210		104						314	
03:15	5		6						11		15:15	220		149						369	
03:30	2		9						11		15:30	159		216						375	
03:45	7	17	9	25					16	42	15:45	151	740	136	605					287	1345
04:00	2		15						17		16:00	151		98						249	
04:15	6		23						29		16:15	172		97						269	
04:30	4		18						22		16:30	163		108						271	
04:45	4	16	48	104					52	120	16:45	150	636	101	404					251	1040
05:00	11		50						61		17:00	163		99						262	
05:15	4		64						68		17:15	165		108						273	
05:30	12		91						103		17:30	161		110						271	
05:45	19	46	98	303					117	349	17:45	174	663	118	435					292	1098
06:00	15		79						94		18:00	203		94						297	
06:15	22		107						129		18:15	153		95						248	
06:30	30		158						188		18:30	160		84						244	
06:45	33	100	167	511					200	611	18:45	127	643	68	341					195	984
07:00	60		156						216		19:00	130		70						200	
07:15	63		169						232		19:15	131		69						200	
07:30	113		232						345		19:30	114		50						164	
07:45	151	387	242	799					393	1186	19:45	92	467	54	243					146	710
08:00	151		208						359		20:00	104		48						152	
08:15	97		204						301		20:15	91		48						139	
08:30	60		162						222		20:30	82		32						114	
08:45	74	382	138	712					212	1094	20:45	88	365	47	175					135	540
09:00	60		83						143		21:00	78		34						112	
09:15	46		100						146		21:15	80		20						100	
09:30	40		99						139		21:30	67		22						89	
09:45	56	202	70	352					126	554	21:45	52	277	27	103					79	380
10:00	61		96						157		22:00	40		22						62	
10:15	45		85						130		22:15	38		16						54	
10:30	59		84						143		22:30	35		19						54	
10:45	59	224	87	352					146	576	22:45	23	136	15	72					38	208
11:00	62		67						129		23:00	34		7						41	
11:15	82		88						170		23:15	25		20						45	
11:30	97		102						199		23:30	24		10						34	
11:45	83	324	88	345					171	669	23:45	24	107	10	47					34	154
TOTALS		1814		3547						5361	TOTALS		5320		3517						8837
SPLIT %		33.8%		66.2%						37.8%	SPLIT %		60.2%		39.8%						62.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,134	7,064	0	0	14,198

AM Peak Hour	07:30	07:30			07:30	PM Peak Hour	15:00	15:00			15:00
AM Pk Volume	512	886			1398	PM Pk Volume	740	605			1345
Pk Hr Factor	0.848	0.915			0.889	Pk Hr Factor	0.841	0.700			0.897
7 - 9 Volume	769	1511	0	0	2280	4 - 6 Volume	1299	839	0	0	2138
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	512	886	0	0	1398	4 - 6 Pk Volume	663	435	0	0	1098
Pk Hr Factor	0.848	0.915	0.000	0.000	0.889	Pk Hr Factor	0.953	0.922	0.000	0.000	0.940

Prepared by NDS/ATD

VOLUME

Hasley Canyon Rd W/O Commerce Center Dr

Day: Tuesday
Date: 2/3/2015

City: Valencia
Project #: CA15_5025_078

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,761	3,573	7,334

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			7		7		14		12:00			68		48		116	
00:15			1		13		14		12:15			63		48		111	
00:30			2		7		9		12:30			63		56		119	
00:45			4	14	6	33	10	47	12:45			45	239	51	203	96	442
01:00			1		5		6		13:00			57		46		103	
01:15			2		2		4		13:15			53		52		105	
01:30			3		0		3		13:30			53		46		99	
01:45			0	6	1	8	1	14	13:45			58	221	46	190	104	411
02:00			1		3		4		14:00			51		33		84	
02:15			2		5		7		14:15			61		52		113	
02:30			1		2		3		14:30			65		73		138	
02:45			4	8	1	11	5	19	14:45			55	232	80	238	135	470
03:00			3		0		3		15:00			75		71		146	
03:15			3		2		5		15:15			56		88		144	
03:30			2		0		2		15:30			52		90		142	
03:45			7	15	3	5	10	20	15:45			70	253	96	345	166	598
04:00			9		7		16		16:00			56		84		140	
04:15			11		5		16		16:15			56		70		126	
04:30			22		3		25		16:30			79		93		172	
04:45			25	67	0	15	25	82	16:45			63	254	81	328	144	582
05:00			15		5		20		17:00			76		76		152	
05:15			33		8		41		17:15			57		89		146	
05:30			53		9		62		17:30			68		111		179	
05:45			51	152	12	34	63	186	17:45			54	255	78	354	132	609
06:00			56		6		62		18:00			49		87		136	
06:15			61		13		74		18:15			35		91		126	
06:30			74		9		83		18:30			52		74		126	
06:45			82	273	21	49	103	322	18:45			33	169	83	335	116	504
07:00			71		30		101		19:00			26		53		79	
07:15			120		32		152		19:15			21		65		86	
07:30			138		39		177		19:30			29		76		105	
07:45			125	454	52	153	177	607	19:45			24	100	54	248	78	348
08:00			74		48		122		20:00			28		58		86	
08:15			75		52		127		20:15			21		43		64	
08:30			67		28		95		20:30			13		37		50	
08:45			62	278	29	157	91	435	20:45			14	76	45	183	59	259
09:00			53		32		85		21:00			16		34		50	
09:15			49		29		78		21:15			12		36		48	
09:30			46		27		73		21:30			12		30		42	
09:45			58	206	37	125	95	331	21:45			7	47	20	120	27	167
10:00			56		28		84		22:00			10		21		31	
10:15			49		26		75		22:15			3		31		34	
10:30			47		37		84		22:30			6		20		26	
10:45			39	191	37	128	76	319	22:45			3	22	19	91	22	113
11:00			43		35		78		23:00			2		12		14	
11:15			39		36		75		23:15			2		17		19	
11:30			55		39		94		23:30			5		17		22	
11:45			79	216	55	165	134	381	23:45			4	13	9	55	13	68
TOTALS				1880		883		2763	TOTALS				1881		2690		4571
SPLIT %				68.0%		32.0%		37.7%	SPLIT %				41.2%		58.8%		62.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,761	3,573	7,334

AM Peak Hour			07:15	11:45	07:15	PM Peak Hour			16:30	17:30	16:45
AM Pk Volume			457	207	628	PM Pk Volume			275	367	621
Pk Hr Factor			0.828	0.924	0.887	Pk Hr Factor			0.870	0.827	0.867
7 - 9 Volume	0	0	732	310	1042	4 - 6 Volume	0	0	509	682	1191
7 - 9 Peak Hour			07:15	07:30	07:15	4 - 6 Peak Hour			16:30	16:45	16:45
7 - 9 Pk Volume	0	0	457	191	628	4 - 6 Pk Volume	0	0	275	357	621
Pk Hr Factor	0.000	0.000	0.828	0.918	0.887	Pk Hr Factor	0.000	0.000	0.870	0.804	0.867

Prepared by NDS/ATD

VOLUME

Sierra Hwy S/O W Avenue D

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_082

DAILY TOTALS	NB	SB	EB	WB	Total
	1,961	1,931	0	0	3,892

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	2		4						6		12:00	23		29						52	
00:15	2		6						8		12:15	20		35						55	
00:30	3		3						6		12:30	21		29						50	
00:45	6	13	2	15					8	28	12:45	38	102	20	113					58	215
01:00	3		1						4		13:00	20		18						38	
01:15	1		1						2		13:15	23		21						44	
01:30	2		3						5		13:30	34		24						58	
01:45	3	9	3	8					6	17	13:45	35	112	32	95					67	207
02:00	0		1						1		14:00	32		54						86	
02:15	0		1						1		14:15	24		31						55	
02:30	6		2						8		14:30	30		39						69	
02:45	0	6	4	8					4	14	14:45	46	132	53	177					99	309
03:00	0		0						0		15:00	30		44						74	
03:15	4		5						9		15:15	51		44						95	
03:30	1		7						8		15:30	37		41						78	
03:45	2	7	6	18					8	25	15:45	43	161	42	171					85	332
04:00	6		5						11		16:00	48		47						95	
04:15	3		6						9		16:15	35		38						73	
04:30	8		9						17		16:30	53		45						98	
04:45	13	30	9	29					22	59	16:45	52	188	46	176					98	364
05:00	11		16						27		17:00	47		33						80	
05:15	13		17						30		17:15	49		35						84	
05:30	19		13						32		17:30	32		50						82	
05:45	15	58	19	65					34	123	17:45	27	155	36	154					63	309
06:00	20		17						37		18:00	36		40						76	
06:15	28		13						41		18:15	34		15						49	
06:30	18		24						42		18:30	21		20						41	
06:45	18	84	18	72					36	156	18:45	25	116	28	103					53	219
07:00	19		19						38		19:00	21		13						34	
07:15	24		23						47		19:15	15		15						30	
07:30	32		34						66		19:30	18		12						30	
07:45	22	97	32	108					54	205	19:45	14	68	12	52					26	120
08:00	20		34						54		20:00	18		8						26	
08:15	18		25						43		20:15	19		14						33	
08:30	19		40						59		20:30	17		10						27	
08:45	27	84	23	122					50	206	20:45	15	69	9	41					24	110
09:00	20		27						47		21:00	24		11						35	
09:15	26		23						49		21:15	11		11						22	
09:30	26		28						54		21:30	27		11						38	
09:45	27	99	13	91					40	190	21:45	13	75	20	53					33	128
10:00	22		21						43		22:00	14		11						25	
10:15	21		22						43		22:15	14		6						20	
10:30	31		20						51		22:30	9		5						14	
10:45	27	101	28	91					55	192	22:45	18	55	9	31					27	86
11:00	21		26						47		23:00	10		6						16	
11:15	34		26						60		23:15	8		5						13	
11:30	26		36						62		23:30	16		0						16	
11:45	21	102	29	117					50	219	23:45	4	38	10	21					14	59
TOTALS		690		744						1434	TOTALS		1271		1187						2458
SPLIT %		48.1%		51.9%						36.8%	SPLIT %		51.7%		48.3%						63.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,961	1,931	0	0	3,892

AM Peak Hour	10:30	07:45			10:45	PM Peak Hour	16:30	14:45			16:00
AM Pk Volume	113	131			224	PM Pk Volume	201	182			364
Pk Hr Factor	0.831	0.819			0.903	Pk Hr Factor	0.948	0.858			0.929
7 - 9 Volume	181	230	0	0	411	4 - 6 Volume	343	330	0	0	673
7 - 9 Peak Hour	07:15	07:45			07:15	4 - 6 Peak Hour	16:30	16:00			16:00
7 - 9 Pk Volume	98	131	0	0	221	4 - 6 Pk Volume	201	176	0	0	364
Pk Hr Factor	0.766	0.819	0.000	0.000	0.837	Pk Hr Factor	0.948	0.936	0.000	0.000	0.929

Prepared by NDS/ATD

VOLUME

Sierra Hwy S/O W Avenue G

Day: Wednesday
Date: 1/28/2015

City: Lancaster
Project #: CA15_5025_083

DAILY TOTALS	NB	SB	EB	WB	Total
	1,424	1,527	0	0	2,951

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	2		4						6		12:00	13		20						33	
00:15	2		2						4		12:15	20		30						50	
00:30	2		3						5		12:30	22		31						53	
00:45	4	10	1	10					5	20	12:45	13	68	21	102					34	170
01:00	1		2						3		13:00	28		24						52	
01:15	2		1						3		13:15	20		17						37	
01:30	1		0						1		13:30	20		19						39	
01:45	1	5	1	4					2	9	13:45	28	96	30	90					58	186
02:00	0		3						3		14:00	29		31						60	
02:15	4		1						5		14:15	20		29						49	
02:30	0		1						1		14:30	34		38						72	
02:45	2	6	0	5					2	11	14:45	22	105	27	125					49	230
03:00	0		1						1		15:00	26		26						52	
03:15	3		0						3		15:15	32		38						70	
03:30	4		1						5		15:30	32		33						65	
03:45	0	7	5	7					5	14	15:45	27	117	40	137					67	254
04:00	3		1						4		16:00	30		32						62	
04:15	6		4						10		16:15	26		36						62	
04:30	4		7						11		16:30	31		29						60	
04:45	6	19	4	16					10	35	16:45	32	119	30	127					62	246
05:00	11		6						17		17:00	41		40						81	
05:15	8		4						12		17:15	29		32						61	
05:30	12		13						25		17:30	27		42						69	
05:45	18	49	6	29					24	78	17:45	22	119	19	133					41	252
06:00	13		13						26		18:00	35		26						61	
06:15	17		14						31		18:15	21		16						37	
06:30	12		18						30		18:30	15		10						25	
06:45	17	59	17	62					34	121	18:45	19	90	14	66					33	156
07:00	16		12						28		19:00	11		13						24	
07:15	16		21						37		19:15	15		8						23	
07:30	25		30						55		19:30	16		10						26	
07:45	12	69	37	100					49	169	19:45	11	53	10	41					21	94
08:00	18		25						43		20:00	17		5						22	
08:15	12		24						36		20:15	7		8						15	
08:30	15		35						50		20:30	11		9						20	
08:45	15	60	29	113					44	173	20:45	8	43	2	24					10	67
09:00	24		22						46		21:00	14		10						24	
09:15	22		20						42		21:15	13		6						19	
09:30	17		22						39		21:30	12		2						14	
09:45	13	76	18	82					31	158	21:45	9	48	11	29					20	77
10:00	16		20						36		22:00	9		5						14	
10:15	18		24						42		22:15	9		4						13	
10:30	20		25						45		22:30	4		5						9	
10:45	20	74	23	92					43	166	22:45	6	28	2	16					8	44
11:00	27		23						50		23:00	4		6						10	
11:15	22		26						48		23:15	5		6						11	
11:30	16		30						46		23:30	9		1						10	
11:45	21	86	24	103					45	189	23:45	0	18	1	14					1	32
TOTALS		520		623						1143	TOTALS		904		904						1808
SPLIT %		45.5%		54.5%						38.7%	SPLIT %		50.0%		50.0%						61.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,424	1,527	0	0	2,951

AM Peak Hour	10:30	07:45			11:00	PM Peak Hour	16:30	16:45			16:45
AM Pk Volume	89	121			189	PM Pk Volume	133	144			273
Pk Hr Factor	0.824	0.818			0.945	Pk Hr Factor	0.811	0.857			0.843
7 - 9 Volume	129	213	0	0	342	4 - 6 Volume	238	260	0	0	498
7 - 9 Peak Hour	07:15	07:45			07:15	4 - 6 Peak Hour	16:30	16:45			16:45
7 - 9 Pk Volume	71	121	0	0	184	4 - 6 Pk Volume	133	144	0	0	273
Pk Hr Factor	0.710	0.818	0.000	0.000	0.836	Pk Hr Factor	0.811	0.857	0.000	0.000	0.843

Prepared by NDS/ATD

VOLUME

106th St E S/O Fort Tejon Rd

Day: Wednesday
Date: 1/28/2015

City: Pearblossom
Project #: CA15_5025_084

DAILY TOTALS	NB	SB	EB	WB	Total
	359	344	0	0	703

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	1		1						2		12:00	7		6						13	
00:15	0		1						1		12:15	7		8						15	
00:30	1		0						1		12:30	3		8						11	
00:45	0	2	1	3					1	5	12:45	6	23	5	27					11	50
01:00	3		1						4		13:00	4		2						6	
01:15	0		2						2		13:15	4		4						8	
01:30	0		0						0		13:30	7		7						14	
01:45	1	4	0	3					1	7	13:45	6	21	5	18					11	39
02:00	0		0						0		14:00	4		6						10	
02:15	0		0						0		14:15	8		6						14	
02:30	0		0						0		14:30	6		4						10	
02:45	1	1	0						1	1	14:45	5	23	12	28					17	51
03:00	0		0						0		15:00	2		14						16	
03:15	1		1						2		15:15	4		4						8	
03:30	0		0						0		15:30	7		8						15	
03:45	0	1	1	2					1	3	15:45	1	14	9	35					10	49
04:00	4		0						4		16:00	3		6						9	
04:15	1		0						1		16:15	6		10						16	
04:30	3		0						3		16:30	2		12						14	
04:45	5	13	0						5	13	16:45	6	17	10	38					16	55
05:00	2		0						2		17:00	4		10						14	
05:15	6		0						6		17:15	2		9						11	
05:30	3		1						4		17:30	5		10						15	
05:45	7	18	1	2					8	20	17:45	5	16	12	41					17	57
06:00	5		1						6		18:00	5		4						9	
06:15	4		0						4		18:15	4		8						12	
06:30	2		1						3		18:30	4		7						11	
06:45	17	28	0	2					17	30	18:45	5	18	9	28					14	46
07:00	6		0						6		19:00	3		4						7	
07:15	11		2						13		19:15	6		7						13	
07:30	8		3						11		19:30	1		5						6	
07:45	8	33	3	8					11	41	19:45	1	11	4	20					5	31
08:00	4		2						6		20:00	1		6						7	
08:15	9		1						10		20:15	2		1						3	
08:30	8		3						11		20:30	0		4						4	
08:45	9	30	2	8					11	38	20:45	0	3	5	16					5	19
09:00	7		3						10		21:00	0		8						8	
09:15	3		5						8		21:15	0		2						2	
09:30	10		1						11		21:30	1		2						3	
09:45	8	28	3	12					11	40	21:45	0	1	2	14					2	15
10:00	10		4						14		22:00	0		2						2	
10:15	7		6						13		22:15	0		1						1	
10:30	5		4						9		22:30	0		2						2	
10:45	7	29	3	17					10	46	22:45	0		0	5					0	5
11:00	4		2						6		23:00	0		0						0	
11:15	11		3						14		23:15	0		1						1	
11:30	5		3						8		23:30	0		3						3	
11:45	5	25	5	13					10	38	23:45	0		0	4					0	4
TOTALS		212		70						282	TOTALS		147		274						421
SPLIT %		75.2%		24.8%						40.1%	SPLIT %		34.9%		65.1%						59.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	359	344	0	0	703

AM Peak Hour	06:45	11:45			09:30	PM Peak Hour	13:30	16:15			16:15
AM Pk Volume	42	27			49	PM Pk Volume	25	42			60
Pk Hr Factor	0.618	0.844			0.875	Pk Hr Factor	0.781	0.875			0.938
7 - 9 Volume	63	16	0	0	79	4 - 6 Volume	33	79	0	0	112
7 - 9 Peak Hour	07:00	07:15			07:00	4 - 6 Peak Hour	16:15	16:15			16:15
7 - 9 Pk Volume	33	10	0	0	41	4 - 6 Pk Volume	18	42	0	0	60
Pk Hr Factor	0.750	0.833	0.000	0.000	0.788	Pk Hr Factor	0.750	0.875	0.000	0.000	0.938

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue A e/o 60th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184901
Direction:	EB
Comments:	Site 25

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	914
12:00 AM	2	12:00 PM	18	AM Peak	7:30 AM
12:15 AM	0	12:15 PM	20	Volume	28
12:30 AM	0	12:30 PM	11		
12:45 AM	0	12:45 PM	6	PM Peak	3:45 PM
1:00 AM	2	1:00 PM	14	Volume	23
1:15 AM	2	1:15 PM	18		
1:30 AM	1	1:30 PM	12		
1:45 AM	0	1:45 PM	10		
2:00 AM	3	2:00 PM	12		
2:15 AM	3	2:15 PM	10		
2:30 AM	1	2:30 PM	10		
2:45 AM	1	2:45 PM	12		
3:00 AM	1	3:00 PM	10		
3:15 AM	2	3:15 PM	16		
3:30 AM	5	3:30 PM	18		
3:45 AM	4	3:45 PM	23		
4:00 AM	5	4:00 PM	16		
4:15 AM	2	4:15 PM	17		
4:30 AM	7	4:30 PM	18		
4:45 AM	5	4:45 PM	9		
5:00 AM	8	5:00 PM	10		
5:15 AM	7	5:15 PM	21		
5:30 AM	17	5:30 PM	22		
5:45 AM	18	5:45 PM	12		
6:00 AM	20	6:00 PM	4		
6:15 AM	20	6:15 PM	11		
6:30 AM	23	6:30 PM	8		
6:45 AM	22	6:45 PM	10		
7:00 AM	21	7:00 PM	5		
7:15 AM	16	7:15 PM	6		
7:30 AM	28	7:30 PM	6		
7:45 AM	23	7:45 PM	4		
8:00 AM	11	8:00 PM	3		
8:15 AM	15	8:15 PM	2		
8:30 AM	19	8:30 PM	6		
8:45 AM	16	8:45 PM	5		
9:00 AM	16	9:00 PM	6		
9:15 AM	25	9:15 PM	5		
9:30 AM	14	9:30 PM	1		
9:45 AM	9	9:45 PM	1		
10:00 AM	6	10:00 PM	3		
10:15 AM	7	10:15 PM	3		
10:30 AM	14	10:30 PM	3		
10:45 AM	10	10:45 PM	3		
11:00 AM	10	11:00 PM	0		
11:15 AM	10	11:15 PM	3		
11:30 AM	9	11:30 PM	0		
11:45 AM	7	11:45 PM	4		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue A e/o 60th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184901
Direction:	WB
Comments:	Site 25

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	881
12:00 AM	2	12:00 PM	13	AM Peak	6:15 AM
12:15 AM	1	12:15 PM	12	Volume	29
12:30 AM	2	12:30 PM	15		
12:45 AM	0	12:45 PM	14	PM Peak	5:30 PM
1:00 AM	1	1:00 PM	10	Volume	29
1:15 AM	0	1:15 PM	16		
1:30 AM	0	1:30 PM	14		
1:45 AM	1	1:45 PM	12		
2:00 AM	2	2:00 PM	9		
2:15 AM	0	2:15 PM	8		
2:30 AM	2	2:30 PM	17		
2:45 AM	0	2:45 PM	17		
3:00 AM	0	3:00 PM	14		
3:15 AM	1	3:15 PM	16		
3:30 AM	1	3:30 PM	11		
3:45 AM	1	3:45 PM	16		
4:00 AM	1	4:00 PM	18		
4:15 AM	1	4:15 PM	19		
4:30 AM	0	4:30 PM	25		
4:45 AM	1	4:45 PM	23		
5:00 AM	5	5:00 PM	26		
5:15 AM	3	5:15 PM	27		
5:30 AM	7	5:30 PM	29		
5:45 AM	10	5:45 PM	22		
6:00 AM	15	6:00 PM	26		
6:15 AM	29	6:15 PM	20		
6:30 AM	11	6:30 PM	13		
6:45 AM	12	6:45 PM	8		
7:00 AM	6	7:00 PM	18		
7:15 AM	7	7:15 PM	4		
7:30 AM	10	7:30 PM	14		
7:45 AM	14	7:45 PM	8		
8:00 AM	10	8:00 PM	10		
8:15 AM	8	8:15 PM	8		
8:30 AM	7	8:30 PM	8		
8:45 AM	7	8:45 PM	8		
9:00 AM	7	9:00 PM	11		
9:15 AM	2	9:15 PM	6		
9:30 AM	10	9:30 PM	6		
9:45 AM	8	9:45 PM	11		
10:00 AM	8	10:00 PM	2		
10:15 AM	8	10:15 PM	6		
10:30 AM	10	10:30 PM	3		
10:45 AM	5	10:45 PM	10		
11:00 AM	7	11:00 PM	2		
11:15 AM	9	11:15 PM	2		
11:30 AM	10	11:30 PM	1		
11:45 AM	8	11:45 PM	3		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	SR-138 e/o 60th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184902
Direction:	EB
Comments:	Site 26

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	2054
12:00 AM	6	12:00 PM	18	AM Peak	8:30 AM
12:15 AM	1	12:15 PM	18	Volume	38
12:30 AM	2	12:30 PM	24		
12:45 AM	2	12:45 PM	30	PM Peak	3:15 PM
1:00 AM	4	1:00 PM	18	Volume	66
1:15 AM	1	1:15 PM	20		
1:30 AM	5	1:30 PM	22		
1:45 AM	0	1:45 PM	38		
2:00 AM	2	2:00 PM	43		
2:15 AM	3	2:15 PM	36		
2:30 AM	4	2:30 PM	43		
2:45 AM	2	2:45 PM	41		
3:00 AM	1	3:00 PM	40		
3:15 AM	6	3:15 PM	66		
3:30 AM	5	3:30 PM	55		
3:45 AM	8	3:45 PM	66		
4:00 AM	8	4:00 PM	46		
4:15 AM	12	4:15 PM	57		
4:30 AM	15	4:30 PM	50		
4:45 AM	11	4:45 PM	57		
5:00 AM	14	5:00 PM	36		
5:15 AM	18	5:15 PM	41		
5:30 AM	20	5:30 PM	35		
5:45 AM	12	5:45 PM	35		
6:00 AM	22	6:00 PM	26		
6:15 AM	20	6:15 PM	35		
6:30 AM	32	6:30 PM	26		
6:45 AM	29	6:45 PM	30		
7:00 AM	30	7:00 PM	18		
7:15 AM	32	7:15 PM	23		
7:30 AM	28	7:30 PM	11		
7:45 AM	19	7:45 PM	11		
8:00 AM	27	8:00 PM	20		
8:15 AM	34	8:15 PM	12		
8:30 AM	38	8:30 PM	12		
8:45 AM	22	8:45 PM	12		
9:00 AM	23	9:00 PM	12		
9:15 AM	28	9:15 PM	12		
9:30 AM	28	9:30 PM	6		
9:45 AM	26	9:45 PM	12		
10:00 AM	26	10:00 PM	11		
10:15 AM	18	10:15 PM	9		
10:30 AM	34	10:30 PM	5		
10:45 AM	20	10:45 PM	6		
11:00 AM	20	11:00 PM	12		
11:15 AM	19	11:15 PM	5		
11:30 AM	24	11:30 PM	2		
11:45 AM	26	11:45 PM	4		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	SR-138 e/o 60th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184902
Direction:	WB
Comments:	Site 26

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	2266
12:00 AM	2	12:00 PM	30	AM Peak	6:15 AM
12:15 AM	0	12:15 PM	23	Volume	62
12:30 AM	2	12:30 PM	28		
12:45 AM	10	12:45 PM	30	PM Peak	3:45 PM
1:00 AM	2	1:00 PM	32	Volume	60
1:15 AM	4	1:15 PM	38		
1:30 AM	6	1:30 PM	33		
1:45 AM	10	1:45 PM	24		
2:00 AM	1	2:00 PM	42		
2:15 AM	12	2:15 PM	30		
2:30 AM	2	2:30 PM	40		
2:45 AM	7	2:45 PM	34		
3:00 AM	3	3:00 PM	49		
3:15 AM	5	3:15 PM	34		
3:30 AM	9	3:30 PM	26		
3:45 AM	4	3:45 PM	60		
4:00 AM	23	4:00 PM	32		
4:15 AM	6	4:15 PM	36		
4:30 AM	9	4:30 PM	45		
4:45 AM	18	4:45 PM	39		
5:00 AM	14	5:00 PM	42		
5:15 AM	24	5:15 PM	30		
5:30 AM	34	5:30 PM	29		
5:45 AM	34	5:45 PM	55		
6:00 AM	33	6:00 PM	36		
6:15 AM	62	6:15 PM	28		
6:30 AM	28	6:30 PM	24		
6:45 AM	32	6:45 PM	28		
7:00 AM	36	7:00 PM	26		
7:15 AM	20	7:15 PM	18		
7:30 AM	38	7:30 PM	22		
7:45 AM	30	7:45 PM	9		
8:00 AM	26	8:00 PM	26		
8:15 AM	34	8:15 PM	14		
8:30 AM	24	8:30 PM	14		
8:45 AM	40	8:45 PM	24		
9:00 AM	42	9:00 PM	19		
9:15 AM	20	9:15 PM	18		
9:30 AM	25	9:30 PM	12		
9:45 AM	40	9:45 PM	12		
10:00 AM	34	10:00 PM	17		
10:15 AM	26	10:15 PM	17		
10:30 AM	28	10:30 PM	4		
10:45 AM	23	10:45 PM	12		
11:00 AM	32	11:00 PM	7		
11:15 AM	28	11:15 PM	4		
11:30 AM	40	11:30 PM	10		
11:45 AM	20	11:45 PM	2		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue G e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184905
Direction:	EB
Comments:	Site 29

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	84
12:00 AM	0	12:00 PM	0	AM Peak	8:30 AM
12:15 AM	0	12:15 PM	2	Volume	3
12:30 AM	0	12:30 PM	0		
12:45 AM	0	12:45 PM	0	PM Peak	5:15 PM
1:00 AM	0	1:00 PM	3	Volume	6
1:15 AM	0	1:15 PM	0		
1:30 AM	0	1:30 PM	5		
1:45 AM	0	1:45 PM	2		
2:00 AM	1	2:00 PM	0		
2:15 AM	0	2:15 PM	4		
2:30 AM	0	2:30 PM	3		
2:45 AM	0	2:45 PM	2		
3:00 AM	0	3:00 PM	2		
3:15 AM	0	3:15 PM	4		
3:30 AM	0	3:30 PM	2		
3:45 AM	0	3:45 PM	0		
4:00 AM	0	4:00 PM	2		
4:15 AM	0	4:15 PM	1		
4:30 AM	0	4:30 PM	2		
4:45 AM	1	4:45 PM	3		
5:00 AM	0	5:00 PM	4		
5:15 AM	0	5:15 PM	6		
5:30 AM	1	5:30 PM	2		
5:45 AM	1	5:45 PM	2		
6:00 AM	0	6:00 PM	2		
6:15 AM	0	6:15 PM	1		
6:30 AM	1	6:30 PM	2		
6:45 AM	2	6:45 PM	1		
7:00 AM	2	7:00 PM	1		
7:15 AM	1	7:15 PM	0		
7:30 AM	1	7:30 PM	0		
7:45 AM	2	7:45 PM	1		
8:00 AM	0	8:00 PM	0		
8:15 AM	0	8:15 PM	0		
8:30 AM	3	8:30 PM	0		
8:45 AM	1	8:45 PM	1		
9:00 AM	0	9:00 PM	0		
9:15 AM	0	9:15 PM	0		
9:30 AM	0	9:30 PM	0		
9:45 AM	1	9:45 PM	0		
10:00 AM	0	10:00 PM	0		
10:15 AM	0	10:15 PM	0		
10:30 AM	2	10:30 PM	0		
10:45 AM	0	10:45 PM	0		
11:00 AM	0	11:00 PM	1		
11:15 AM	0	11:15 PM	0		
11:30 AM	0	11:30 PM	1		
11:45 AM	1	11:45 PM	1		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue G e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184905
Direction:	WB
Comments:	Site 29

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	96
12:00 AM	0	12:00 PM	3	AM Peak	5:15 AM
12:15 AM	0	12:15 PM	0	Volume	4
12:30 AM	0	12:30 PM	1		
12:45 AM	0	12:45 PM	2	PM Peak	2:00 PM
1:00 AM	0	1:00 PM	0	Volume	5
1:15 AM	0	1:15 PM	4		
1:30 AM	1	1:30 PM	1		
1:45 AM	0	1:45 PM	1		
2:00 AM	0	2:00 PM	5		
2:15 AM	0	2:15 PM	1		
2:30 AM	0	2:30 PM	2		
2:45 AM	0	2:45 PM	1		
3:00 AM	1	3:00 PM	3		
3:15 AM	0	3:15 PM	1		
3:30 AM	0	3:30 PM	2		
3:45 AM	2	3:45 PM	1		
4:00 AM	2	4:00 PM	4		
4:15 AM	1	4:15 PM	0		
4:30 AM	0	4:30 PM	0		
4:45 AM	1	4:45 PM	5		
5:00 AM	0	5:00 PM	2		
5:15 AM	4	5:15 PM	3		
5:30 AM	2	5:30 PM	2		
5:45 AM	1	5:45 PM	0		
6:00 AM	3	6:00 PM	1		
6:15 AM	0	6:15 PM	1		
6:30 AM	2	6:30 PM	1		
6:45 AM	2	6:45 PM	0		
7:00 AM	3	7:00 PM	1		
7:15 AM	3	7:15 PM	0		
7:30 AM	1	7:30 PM	0		
7:45 AM	2	7:45 PM	0		
8:00 AM	2	8:00 PM	2		
8:15 AM	0	8:15 PM	0		
8:30 AM	0	8:30 PM	0		
8:45 AM	2	8:45 PM	0		
9:00 AM	2	9:00 PM	0		
9:15 AM	0	9:15 PM	0		
9:30 AM	0	9:30 PM	0		
9:45 AM	2	9:45 PM	0		
10:00 AM	1	10:00 PM	0		
10:15 AM	0	10:15 PM	0		
10:30 AM	0	10:30 PM	2		
10:45 AM	2	10:45 PM	0		
11:00 AM	0	11:00 PM	0		
11:15 AM	0	11:15 PM	1		
11:30 AM	1	11:30 PM	0		
11:45 AM	0	11:45 PM	0		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue I e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184906
Direction:	EB
Comments:	Site 30

Start Time	3-Feb-15	Start Time	3-Feb-15	ADT	540
12:00 AM	1	12:00 PM	7	AM Peak	7:15 AM
12:15 AM	1	12:15 PM	4	Volume	20
12:30 AM	0	12:30 PM	5		
12:45 AM	0	12:45 PM	9	PM Peak	3:30 PM
1:00 AM	0	1:00 PM	7	Volume	16
1:15 AM	1	1:15 PM	5		
1:30 AM	2	1:30 PM	8		
1:45 AM	2	1:45 PM	14		
2:00 AM	0	2:00 PM	14		
2:15 AM	0	2:15 PM	10		
2:30 AM	0	2:30 PM	12		
2:45 AM	0	2:45 PM	12		
3:00 AM	1	3:00 PM	8		
3:15 AM	0	3:15 PM	10		
3:30 AM	0	3:30 PM	16		
3:45 AM	1	3:45 PM	15		
4:00 AM	1	4:00 PM	8		
4:15 AM	0	4:15 PM	4		
4:30 AM	0	4:30 PM	10		
4:45 AM	0	4:45 PM	14		
5:00 AM	1	5:00 PM	12		
5:15 AM	2	5:15 PM	12		
5:30 AM	4	5:30 PM	12		
5:45 AM	4	5:45 PM	8		
6:00 AM	4	6:00 PM	8		
6:15 AM	5	6:15 PM	6		
6:30 AM	9	6:30 PM	9		
6:45 AM	12	6:45 PM	8		
7:00 AM	9	7:00 PM	2		
7:15 AM	20	7:15 PM	1		
7:30 AM	15	7:30 PM	2		
7:45 AM	14	7:45 PM	4		
8:00 AM	7	8:00 PM	0		
8:15 AM	9	8:15 PM	2		
8:30 AM	14	8:30 PM	0		
8:45 AM	8	8:45 PM	5		
9:00 AM	9	9:00 PM	4		
9:15 AM	5	9:15 PM	5		
9:30 AM	10	9:30 PM	1		
9:45 AM	7	9:45 PM	1		
10:00 AM	7	10:00 PM	2		
10:15 AM	13	10:15 PM	3		
10:30 AM	6	10:30 PM	2		
10:45 AM	6	10:45 PM	2		
11:00 AM	2	11:00 PM	0		
11:15 AM	10	11:15 PM	2		
11:30 AM	5	11:30 PM	0		
11:45 AM	7	11:45 PM	1		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue I e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184906
Direction:	WB
Comments:	Site 30

Start Time	3-Feb-15	Start Time	3-Feb-15	ADT	514
12:00 AM	1	12:00 PM	6	AM Peak	6:00 AM
12:15 AM	0	12:15 PM	3	Volume	22
12:30 AM	0	12:30 PM	4		
12:45 AM	2	12:45 PM	7	PM Peak	2:00 PM
1:00 AM	1	1:00 PM	8	Volume	12
1:15 AM	1	1:15 PM	6		
1:30 AM	0	1:30 PM	5		
1:45 AM	1	1:45 PM	7		
2:00 AM	1	2:00 PM	12		
2:15 AM	1	2:15 PM	10		
2:30 AM	0	2:30 PM	10		
2:45 AM	1	2:45 PM	6		
3:00 AM	0	3:00 PM	8		
3:15 AM	0	3:15 PM	8		
3:30 AM	2	3:30 PM	10		
3:45 AM	1	3:45 PM	10		
4:00 AM	0	4:00 PM	5		
4:15 AM	0	4:15 PM	10		
4:30 AM	6	4:30 PM	9		
4:45 AM	7	4:45 PM	10		
5:00 AM	6	5:00 PM	7		
5:15 AM	5	5:15 PM	12		
5:30 AM	8	5:30 PM	11		
5:45 AM	9	5:45 PM	10		
6:00 AM	22	6:00 PM	6		
6:15 AM	18	6:15 PM	7		
6:30 AM	8	6:30 PM	12		
6:45 AM	6	6:45 PM	6		
7:00 AM	10	7:00 PM	4		
7:15 AM	12	7:15 PM	4		
7:30 AM	9	7:30 PM	3		
7:45 AM	10	7:45 PM	6		
8:00 AM	3	8:00 PM	2		
8:15 AM	5	8:15 PM	3		
8:30 AM	8	8:30 PM	1		
8:45 AM	6	8:45 PM	6		
9:00 AM	8	9:00 PM	6		
9:15 AM	9	9:15 PM	0		
9:30 AM	4	9:30 PM	0		
9:45 AM	8	9:45 PM	2		
10:00 AM	6	10:00 PM	0		
10:15 AM	4	10:15 PM	1		
10:30 AM	4	10:30 PM	2		
10:45 AM	4	10:45 PM	2		
11:00 AM	2	11:00 PM	2		
11:15 AM	5	11:15 PM	2		
11:30 AM	9	11:30 PM	0		
11:45 AM	10	11:45 PM	0		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue K e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184907
Direction:	EB
Comments:	Site 31

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	1089
12:00 AM	1	12:00 PM	18	AM Peak	7:00 AM
12:15 AM	0	12:15 PM	11	Volume	32
12:30 AM	0	12:30 PM	14		
12:45 AM	0	12:45 PM	14	PM Peak	5:15 PM
1:00 AM	0	1:00 PM	6	Volume	48
1:15 AM	1	1:15 PM	13		
1:30 AM	1	1:30 PM	14		
1:45 AM	1	1:45 PM	16		
2:00 AM	1	2:00 PM	13		
2:15 AM	0	2:15 PM	15		
2:30 AM	2	2:30 PM	18		
2:45 AM	1	2:45 PM	28		
3:00 AM	1	3:00 PM	18		
3:15 AM	0	3:15 PM	20		
3:30 AM	2	3:30 PM	18		
3:45 AM	2	3:45 PM	18		
4:00 AM	1	4:00 PM	37		
4:15 AM	2	4:15 PM	36		
4:30 AM	1	4:30 PM	24		
4:45 AM	2	4:45 PM	30		
5:00 AM	2	5:00 PM	41		
5:15 AM	4	5:15 PM	48		
5:30 AM	12	5:30 PM	18		
5:45 AM	7	5:45 PM	40		
6:00 AM	6	6:00 PM	16		
6:15 AM	10	6:15 PM	27		
6:30 AM	14	6:30 PM	27		
6:45 AM	18	6:45 PM	15		
7:00 AM	32	7:00 PM	17		
7:15 AM	28	7:15 PM	9		
7:30 AM	16	7:30 PM	8		
7:45 AM	19	7:45 PM	6		
8:00 AM	10	8:00 PM	3		
8:15 AM	19	8:15 PM	2		
8:30 AM	10	8:30 PM	3		
8:45 AM	12	8:45 PM	6		
9:00 AM	8	9:00 PM	2		
9:15 AM	18	9:15 PM	7		
9:30 AM	15	9:30 PM	4		
9:45 AM	8	9:45 PM	3		
10:00 AM	8	10:00 PM	3		
10:15 AM	13	10:15 PM	5		
10:30 AM	14	10:30 PM	1		
10:45 AM	11	10:45 PM	2		
11:00 AM	11	11:00 PM	1		
11:15 AM	14	11:15 PM	4		
11:30 AM	14	11:30 PM	4		
11:45 AM	12	11:45 PM	2		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	W Avenue K e/o 110th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184907
Direction:	WB
Comments:	Site 31

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	1073
12:00 AM	0	12:00 PM	9	AM Peak	6:00 AM
12:15 AM	4	12:15 PM	12	Volume	37
12:30 AM	2	12:30 PM	19		
12:45 AM	0	12:45 PM	18	PM Peak	4:45 PM
1:00 AM	0	1:00 PM	12	Volume	22
1:15 AM	0	1:15 PM	12		
1:30 AM	0	1:30 PM	13		
1:45 AM	0	1:45 PM	8		
2:00 AM	0	2:00 PM	11		
2:15 AM	1	2:15 PM	16		
2:30 AM	0	2:30 PM	14		
2:45 AM	0	2:45 PM	11		
3:00 AM	2	3:00 PM	19		
3:15 AM	0	3:15 PM	14		
3:30 AM	0	3:30 PM	21		
3:45 AM	3	3:45 PM	17		
4:00 AM	8	4:00 PM	15		
4:15 AM	8	4:15 PM	20		
4:30 AM	10	4:30 PM	14		
4:45 AM	21	4:45 PM	22		
5:00 AM	15	5:00 PM	20		
5:15 AM	29	5:15 PM	18		
5:30 AM	18	5:30 PM	12		
5:45 AM	7	5:45 PM	18		
6:00 AM	37	6:00 PM	16		
6:15 AM	37	6:15 PM	9		
6:30 AM	31	6:30 PM	12		
6:45 AM	32	6:45 PM	11		
7:00 AM	28	7:00 PM	13		
7:15 AM	29	7:15 PM	6		
7:30 AM	26	7:30 PM	7		
7:45 AM	17	7:45 PM	6		
8:00 AM	25	8:00 PM	5		
8:15 AM	12	8:15 PM	10		
8:30 AM	6	8:30 PM	8		
8:45 AM	6	8:45 PM	6		
9:00 AM	9	9:00 PM	7		
9:15 AM	17	9:15 PM	7		
9:30 AM	12	9:30 PM	13		
9:45 AM	6	9:45 PM	6		
10:00 AM	10	10:00 PM	8		
10:15 AM	10	10:15 PM	7		
10:30 AM	6	10:30 PM	6		
10:45 AM	10	10:45 PM	5		
11:00 AM	10	11:00 PM	0		
11:15 AM	9	11:15 PM	1		
11:30 AM	13	11:30 PM	1		
11:45 AM	12	11:45 PM	0		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	SR-138 e/o 300th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184912
Direction:	EB
Comments:	Site 36

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	1951
12:00 AM	3	12:00 PM	13	AM Peak	9:00 AM
12:15 AM	2	12:15 PM	21	Volume	32
12:30 AM	4	12:30 PM	24		
12:45 AM	3	12:45 PM	20	PM Peak	4:30 PM
1:00 AM	2	1:00 PM	15	Volume	66
1:15 AM	4	1:15 PM	30		
1:30 AM	2	1:30 PM	38		
1:45 AM	2	1:45 PM	25		
2:00 AM	5	2:00 PM	36		
2:15 AM	0	2:15 PM	45		
2:30 AM	7	2:30 PM	53		
2:45 AM	4	2:45 PM	35		
3:00 AM	8	3:00 PM	60		
3:15 AM	6	3:15 PM	54		
3:30 AM	6	3:30 PM	64		
3:45 AM	4	3:45 PM	54		
4:00 AM	6	4:00 PM	58		
4:15 AM	8	4:15 PM	50		
4:30 AM	10	4:30 PM	66		
4:45 AM	6	4:45 PM	31		
5:00 AM	18	5:00 PM	50		
5:15 AM	4	5:15 PM	42		
5:30 AM	10	5:30 PM	26		
5:45 AM	11	5:45 PM	38		
6:00 AM	14	6:00 PM	46		
6:15 AM	12	6:15 PM	32		
6:30 AM	16	6:30 PM	26		
6:45 AM	20	6:45 PM	27		
7:00 AM	20	7:00 PM	29		
7:15 AM	19	7:15 PM	14		
7:30 AM	12	7:30 PM	25		
7:45 AM	17	7:45 PM	10		
8:00 AM	28	8:00 PM	14		
8:15 AM	17	8:15 PM	10		
8:30 AM	17	8:30 PM	16		
8:45 AM	14	8:45 PM	16		
9:00 AM	32	9:00 PM	12		
9:15 AM	26	9:15 PM	20		
9:30 AM	20	9:30 PM	13		
9:45 AM	24	9:45 PM	14		
10:00 AM	16	10:00 PM	6		
10:15 AM	29	10:15 PM	7		
10:30 AM	20	10:30 PM	22		
10:45 AM	18	10:45 PM	10		
11:00 AM	26	11:00 PM	8		
11:15 AM	7	11:15 PM	3		
11:30 AM	28	11:30 PM	6		
11:45 AM	24	11:45 PM	6		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	SR-138 e/o 300th St W
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184912
Direction:	WB
Comments:	Site 36

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	2094
12:00 AM	4	12:00 PM	30	AM Peak	5:45 AM
12:15 AM	7	12:15 PM	22	Volume	50
12:30 AM	1	12:30 PM	26		
12:45 AM	4	12:45 PM	19	PM Peak	3:00 PM
1:00 AM	0	1:00 PM	22	Volume	47
1:15 AM	10	1:15 PM	31		
1:30 AM	5	1:30 PM	28		
1:45 AM	1	1:45 PM	30		
2:00 AM	6	2:00 PM	24		
2:15 AM	6	2:15 PM	25		
2:30 AM	6	2:30 PM	44		
2:45 AM	8	2:45 PM	28		
3:00 AM	5	3:00 PM	47		
3:15 AM	6	3:15 PM	28		
3:30 AM	6	3:30 PM	44		
3:45 AM	8	3:45 PM	25		
4:00 AM	11	4:00 PM	26		
4:15 AM	15	4:15 PM	45		
4:30 AM	21	4:30 PM	26		
4:45 AM	20	4:45 PM	25		
5:00 AM	28	5:00 PM	21		
5:15 AM	30	5:15 PM	27		
5:30 AM	28	5:30 PM	22		
5:45 AM	50	5:45 PM	10		
6:00 AM	30	6:00 PM	24		
6:15 AM	46	6:15 PM	35		
6:30 AM	46	6:30 PM	18		
6:45 AM	45	6:45 PM	16		
7:00 AM	28	7:00 PM	14		
7:15 AM	20	7:15 PM	20		
7:30 AM	36	7:30 PM	14		
7:45 AM	21	7:45 PM	15		
8:00 AM	41	8:00 PM	10		
8:15 AM	30	8:15 PM	5		
8:30 AM	32	8:30 PM	24		
8:45 AM	30	8:45 PM	12		
9:00 AM	32	9:00 PM	6		
9:15 AM	44	9:15 PM	15		
9:30 AM	34	9:30 PM	24		
9:45 AM	32	9:45 PM	13		
10:00 AM	39	10:00 PM	6		
10:15 AM	43	10:15 PM	10		
10:30 AM	35	10:30 PM	11		
10:45 AM	25	10:45 PM	10		
11:00 AM	28	11:00 PM	6		
11:15 AM	22	11:15 PM	10		
11:30 AM	32	11:30 PM	8		
11:45 AM	30	11:45 PM	6		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	60th St W s/o W Avenue A
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184916
Direction:	NB
Comments:	Site 40

Start Time	3-Feb-15	Start Time	3-Feb-15	ADT	564
12:00 AM	1	12:00 PM	8	AM Peak	7:30 AM
12:15 AM	0	12:15 PM	4	Volume	12
12:30 AM	0	12:30 PM	6		
12:45 AM	1	12:45 PM	6	PM Peak	3:45 PM
1:00 AM	2	1:00 PM	9	Volume	20
1:15 AM	1	1:15 PM	8		
1:30 AM	0	1:30 PM	3		
1:45 AM	1	1:45 PM	8		
2:00 AM	1	2:00 PM	6		
2:15 AM	0	2:15 PM	7		
2:30 AM	1	2:30 PM	10		
2:45 AM	1	2:45 PM	10		
3:00 AM	0	3:00 PM	8		
3:15 AM	1	3:15 PM	8		
3:30 AM	1	3:30 PM	14		
3:45 AM	0	3:45 PM	20		
4:00 AM	2	4:00 PM	16		
4:15 AM	1	4:15 PM	14		
4:30 AM	5	4:30 PM	18		
4:45 AM	3	4:45 PM	15		
5:00 AM	2	5:00 PM	11		
5:15 AM	8	5:15 PM	13		
5:30 AM	6	5:30 PM	20		
5:45 AM	7	5:45 PM	11		
6:00 AM	3	6:00 PM	9		
6:15 AM	9	6:15 PM	11		
6:30 AM	4	6:30 PM	6		
6:45 AM	8	6:45 PM	10		
7:00 AM	3	7:00 PM	6		
7:15 AM	3	7:15 PM	1		
7:30 AM	12	7:30 PM	4		
7:45 AM	6	7:45 PM	8		
8:00 AM	11	8:00 PM	4		
8:15 AM	6	8:15 PM	8		
8:30 AM	7	8:30 PM	4		
8:45 AM	9	8:45 PM	5		
9:00 AM	10	9:00 PM	3		
9:15 AM	3	9:15 PM	10		
9:30 AM	2	9:30 PM	1		
9:45 AM	4	9:45 PM	5		
10:00 AM	2	10:00 PM	5		
10:15 AM	10	10:15 PM	2		
10:30 AM	5	10:30 PM	4		
10:45 AM	4	10:45 PM	1		
11:00 AM	4	11:00 PM	3		
11:15 AM	5	11:15 PM	2		
11:30 AM	6	11:30 PM	3		
11:45 AM	10	11:45 PM	5		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	60th St W s/o W Avenue A
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184916
Direction:	SB
Comments:	Site 40

Start Time	3-Feb-15	Start Time	3-Feb-15	ADT	490
12:00 AM	1	12:00 PM	6	AM Peak	7:00 AM
12:15 AM	0	12:15 PM	7	Volume	19
12:30 AM	2	12:30 PM	10		
12:45 AM	0	12:45 PM	6	PM Peak	3:45 PM
1:00 AM	0	1:00 PM	7	Volume	16
1:15 AM	2	1:15 PM	10		
1:30 AM	1	1:30 PM	14		
1:45 AM	0	1:45 PM	5		
2:00 AM	0	2:00 PM	7		
2:15 AM	1	2:15 PM	4		
2:30 AM	0	2:30 PM	3		
2:45 AM	0	2:45 PM	10		
3:00 AM	1	3:00 PM	7		
3:15 AM	1	3:15 PM	11		
3:30 AM	0	3:30 PM	14		
3:45 AM	0	3:45 PM	16		
4:00 AM	2	4:00 PM	11		
4:15 AM	2	4:15 PM	6		
4:30 AM	4	4:30 PM	15		
4:45 AM	4	4:45 PM	4		
5:00 AM	1	5:00 PM	12		
5:15 AM	4	5:15 PM	6		
5:30 AM	6	5:30 PM	11		
5:45 AM	6	5:45 PM	9		
6:00 AM	6	6:00 PM	6		
6:15 AM	8	6:15 PM	7		
6:30 AM	9	6:30 PM	14		
6:45 AM	11	6:45 PM	4		
7:00 AM	19	7:00 PM	4		
7:15 AM	13	7:15 PM	3		
7:30 AM	14	7:30 PM	2		
7:45 AM	7	7:45 PM	6		
8:00 AM	6	8:00 PM	3		
8:15 AM	7	8:15 PM	2		
8:30 AM	5	8:30 PM	3		
8:45 AM	11	8:45 PM	3		
9:00 AM	5	9:00 PM	4		
9:15 AM	2	9:15 PM	5		
9:30 AM	5	9:30 PM	5		
9:45 AM	2	9:45 PM	3		
10:00 AM	5	10:00 PM	1		
10:15 AM	7	10:15 PM	1		
10:30 AM	1	10:30 PM	1		
10:45 AM	2	10:45 PM	2		
11:00 AM	2	11:00 PM	1		
11:15 AM	4	11:15 PM	0		
11:30 AM	4	11:30 PM	0		
11:45 AM	5	11:45 PM	1		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	60th St W s/o SR-138
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184920
Direction:	NB
Comments:	Site 44

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	702
12:00 AM	3	12:00 PM	8	AM Peak	9:15 AM
12:15 AM	1	12:15 PM	8	Volume	18
12:30 AM	0	12:30 PM	10		
12:45 AM	0	12:45 PM	9	PM Peak	3:30 PM
1:00 AM	2	1:00 PM	8	Volume	22
1:15 AM	1	1:15 PM	13		
1:30 AM	0	1:30 PM	10		
1:45 AM	2	1:45 PM	8		
2:00 AM	1	2:00 PM	14		
2:15 AM	0	2:15 PM	12		
2:30 AM	0	2:30 PM	14		
2:45 AM	1	2:45 PM	11		
3:00 AM	0	3:00 PM	8		
3:15 AM	0	3:15 PM	14		
3:30 AM	2	3:30 PM	22		
3:45 AM	1	3:45 PM	16		
4:00 AM	3	4:00 PM	16		
4:15 AM	2	4:15 PM	20		
4:30 AM	1	4:30 PM	16		
4:45 AM	8	4:45 PM	12		
5:00 AM	6	5:00 PM	16		
5:15 AM	11	5:15 PM	17		
5:30 AM	6	5:30 PM	17		
5:45 AM	8	5:45 PM	11		
6:00 AM	10	6:00 PM	6		
6:15 AM	14	6:15 PM	14		
6:30 AM	14	6:30 PM	9		
6:45 AM	11	6:45 PM	3		
7:00 AM	6	7:00 PM	2		
7:15 AM	9	7:15 PM	10		
7:30 AM	10	7:30 PM	7		
7:45 AM	10	7:45 PM	4		
8:00 AM	3	8:00 PM	6		
8:15 AM	3	8:15 PM	8		
8:30 AM	5	8:30 PM	6		
8:45 AM	6	8:45 PM	8		
9:00 AM	3	9:00 PM	12		
9:15 AM	18	9:15 PM	7		
9:30 AM	8	9:30 PM	9		
9:45 AM	4	9:45 PM	6		
10:00 AM	9	10:00 PM	8		
10:15 AM	8	10:15 PM	2		
10:30 AM	6	10:30 PM	0		
10:45 AM	9	10:45 PM	2		
11:00 AM	10	11:00 PM	0		
11:15 AM	10	11:15 PM	5		
11:30 AM	6	11:30 PM	3		
11:45 AM	2	11:45 PM	2		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	60th St W s/o SR-138
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184920
Direction:	SB
Comments:	Site 44

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	673
12:00 AM	1	12:00 PM	8	AM Peak	7:00 AM
12:15 AM	1	12:15 PM	8	Volume	24
12:30 AM	0	12:30 PM	6		
12:45 AM	1	12:45 PM	9	PM Peak	1:15 PM
1:00 AM	1	1:00 PM	14	Volume	20
1:15 AM	0	1:15 PM	20		
1:30 AM	1	1:30 PM	8		
1:45 AM	1	1:45 PM	16		
2:00 AM	1	2:00 PM	9		
2:15 AM	1	2:15 PM	5		
2:30 AM	0	2:30 PM	6		
2:45 AM	1	2:45 PM	6		
3:00 AM	1	3:00 PM	17		
3:15 AM	2	3:15 PM	10		
3:30 AM	0	3:30 PM	10		
3:45 AM	2	3:45 PM	18		
4:00 AM	1	4:00 PM	8		
4:15 AM	2	4:15 PM	15		
4:30 AM	2	4:30 PM	16		
4:45 AM	2	4:45 PM	12		
5:00 AM	4	5:00 PM	12		
5:15 AM	2	5:15 PM	16		
5:30 AM	12	5:30 PM	11		
5:45 AM	7	5:45 PM	4		
6:00 AM	6	6:00 PM	9		
6:15 AM	8	6:15 PM	8		
6:30 AM	14	6:30 PM	10		
6:45 AM	18	6:45 PM	9		
7:00 AM	24	7:00 PM	5		
7:15 AM	17	7:15 PM	8		
7:30 AM	20	7:30 PM	4		
7:45 AM	14	7:45 PM	6		
8:00 AM	12	8:00 PM	4		
8:15 AM	5	8:15 PM	5		
8:30 AM	12	8:30 PM	6		
8:45 AM	10	8:45 PM	6		
9:00 AM	3	9:00 PM	1		
9:15 AM	6	9:15 PM	2		
9:30 AM	6	9:30 PM	2		
9:45 AM	6	9:45 PM	2		
10:00 AM	4	10:00 PM	4		
10:15 AM	6	10:15 PM	4		
10:30 AM	10	10:30 PM	6		
10:45 AM	16	10:45 PM	2		
11:00 AM	6	11:00 PM	2		
11:15 AM	11	11:15 PM	0		
11:30 AM	7	11:30 PM	1		
11:45 AM	12	11:45 PM	4		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	110th St W s/o W Avenue G
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184921
Direction:	NB
Comments:	Site 45

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	294
12:00 AM	3	12:00 PM	3	AM Peak	6:15 AM
12:15 AM	0	12:15 PM	2	Volume	12
12:30 AM	0	12:30 PM	2		
12:45 AM	1	12:45 PM	3	PM Peak	5:15 PM
1:00 AM	0	1:00 PM	5	Volume	13
1:15 AM	1	1:15 PM	2		
1:30 AM	0	1:30 PM	6		
1:45 AM	0	1:45 PM	2		
2:00 AM	0	2:00 PM	3		
2:15 AM	0	2:15 PM	4		
2:30 AM	0	2:30 PM	4		
2:45 AM	0	2:45 PM	3		
3:00 AM	0	3:00 PM	8		
3:15 AM	0	3:15 PM	3		
3:30 AM	0	3:30 PM	1		
3:45 AM	0	3:45 PM	4		
4:00 AM	0	4:00 PM	6		
4:15 AM	1	4:15 PM	10		
4:30 AM	0	4:30 PM	11		
4:45 AM	3	4:45 PM	6		
5:00 AM	1	5:00 PM	8		
5:15 AM	2	5:15 PM	13		
5:30 AM	8	5:30 PM	8		
5:45 AM	9	5:45 PM	8		
6:00 AM	4	6:00 PM	5		
6:15 AM	12	6:15 PM	4		
6:30 AM	12	6:30 PM	3		
6:45 AM	11	6:45 PM	6		
7:00 AM	2	7:00 PM	4		
7:15 AM	4	7:15 PM	4		
7:30 AM	4	7:30 PM	2		
7:45 AM	0	7:45 PM	2		
8:00 AM	3	8:00 PM	1		
8:15 AM	2	8:15 PM	3		
8:30 AM	4	8:30 PM	1		
8:45 AM	6	8:45 PM	2		
9:00 AM	1	9:00 PM	1		
9:15 AM	8	9:15 PM	0		
9:30 AM	0	9:30 PM	1		
9:45 AM	2	9:45 PM	1		
10:00 AM	2	10:00 PM	0		
10:15 AM	2	10:15 PM	0		
10:30 AM	3	10:30 PM	2		
10:45 AM	3	10:45 PM	1		
11:00 AM	2	11:00 PM	2		
11:15 AM	3	11:15 PM	0		
11:30 AM	0	11:30 PM	0		
11:45 AM	4	11:45 PM	1		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	110th St W s/o W Avenue G
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184921
Direction:	SB
Comments:	Site 45

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	305
12:00 AM	1	12:00 PM	6	AM Peak	5:30 AM
12:15 AM	0	12:15 PM	1	Volume	13
12:30 AM	0	12:30 PM	3		
12:45 AM	0	12:45 PM	6	PM Peak	3:30 PM
1:00 AM	0	1:00 PM	2	Volume	10
1:15 AM	0	1:15 PM	4		
1:30 AM	2	1:30 PM	3		
1:45 AM	2	1:45 PM	6		
2:00 AM	1	2:00 PM	4		
2:15 AM	1	2:15 PM	3		
2:30 AM	0	2:30 PM	4		
2:45 AM	0	2:45 PM	4		
3:00 AM	1	3:00 PM	2		
3:15 AM	1	3:15 PM	6		
3:30 AM	0	3:30 PM	10		
3:45 AM	3	3:45 PM	7		
4:00 AM	2	4:00 PM	8		
4:15 AM	4	4:15 PM	10		
4:30 AM	2	4:30 PM	0		
4:45 AM	4	4:45 PM	4		
5:00 AM	3	5:00 PM	6		
5:15 AM	11	5:15 PM	6		
5:30 AM	13	5:30 PM	7		
5:45 AM	6	5:45 PM	4		
6:00 AM	8	6:00 PM	1		
6:15 AM	6	6:15 PM	6		
6:30 AM	7	6:30 PM	6		
6:45 AM	7	6:45 PM	2		
7:00 AM	9	7:00 PM	2		
7:15 AM	5	7:15 PM	2		
7:30 AM	6	7:30 PM	2		
7:45 AM	6	7:45 PM	1		
8:00 AM	3	8:00 PM	2		
8:15 AM	3	8:15 PM	1		
8:30 AM	3	8:30 PM	2		
8:45 AM	4	8:45 PM	3		
9:00 AM	3	9:00 PM	0		
9:15 AM	1	9:15 PM	3		
9:30 AM	4	9:30 PM	2		
9:45 AM	2	9:45 PM	2		
10:00 AM	2	10:00 PM	0		
10:15 AM	1	10:15 PM	2		
10:30 AM	1	10:30 PM	1		
10:45 AM	2	10:45 PM	1		
11:00 AM	2	11:00 PM	0		
11:15 AM	1	11:15 PM	0		
11:30 AM	2	11:30 PM	0		
11:45 AM	3	11:45 PM	0		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	110th St W s/o E Avenue K
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184923
Direction:	NB
Comments:	Site 54

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	1641
12:00 AM	0	12:00 PM	22	AM Peak	7:30 AM
12:15 AM	1	12:15 PM	14	Volume	37
12:30 AM	2	12:30 PM	20		
12:45 AM	1	12:45 PM	18	PM Peak	5:15 PM
1:00 AM	1	1:00 PM	18	Volume	76
1:15 AM	0	1:15 PM	19		
1:30 AM	1	1:30 PM	25		
1:45 AM	1	1:45 PM	19		
2:00 AM	1	2:00 PM	19		
2:15 AM	1	2:15 PM	19		
2:30 AM	1	2:30 PM	38		
2:45 AM	0	2:45 PM	34		
3:00 AM	3	3:00 PM	24		
3:15 AM	1	3:15 PM	28		
3:30 AM	2	3:30 PM	30		
3:45 AM	1	3:45 PM	26		
4:00 AM	2	4:00 PM	53		
4:15 AM	2	4:15 PM	54		
4:30 AM	2	4:30 PM	48		
4:45 AM	5	4:45 PM	42		
5:00 AM	5	5:00 PM	62		
5:15 AM	12	5:15 PM	76		
5:30 AM	16	5:30 PM	40		
5:45 AM	13	5:45 PM	57		
6:00 AM	16	6:00 PM	27		
6:15 AM	13	6:15 PM	43		
6:30 AM	27	6:30 PM	32		
6:45 AM	34	6:45 PM	24		
7:00 AM	36	7:00 PM	24		
7:15 AM	31	7:15 PM	19		
7:30 AM	37	7:30 PM	6		
7:45 AM	24	7:45 PM	11		
8:00 AM	25	8:00 PM	4		
8:15 AM	24	8:15 PM	8		
8:30 AM	20	8:30 PM	6		
8:45 AM	14	8:45 PM	8		
9:00 AM	10	9:00 PM	6		
9:15 AM	18	9:15 PM	7		
9:30 AM	20	9:30 PM	6		
9:45 AM	12	9:45 PM	4		
10:00 AM	12	10:00 PM	5		
10:15 AM	20	10:15 PM	6		
10:30 AM	20	10:30 PM	5		
10:45 AM	11	10:45 PM	4		
11:00 AM	16	11:00 PM	2		
11:15 AM	18	11:15 PM	4		
11:30 AM	15	11:30 PM	7		
11:45 AM	19	11:45 PM	2		

QUALITY COUNTS REPORT

Type:	Volume Data
Location:	110th St W s/o E Avenue K
Specific Location:	0 ft from
City/State:	LA County
QCJobNo:	13184923
Direction:	SB
Comments:	Site 54

Start Time	28-Jan-15	Start Time	28-Jan-15	ADT	1640
12:00 AM	1	12:00 PM	14	AM Peak	6:15 AM
12:15 AM	4	12:15 PM	14	Volume	70
12:30 AM	1	12:30 PM	26		
12:45 AM	0	12:45 PM	19	PM Peak	3:45 PM
1:00 AM	3	1:00 PM	15	Volume	32
1:15 AM	0	1:15 PM	15		
1:30 AM	0	1:30 PM	18		
1:45 AM	2	1:45 PM	12		
2:00 AM	0	2:00 PM	22		
2:15 AM	1	2:15 PM	21		
2:30 AM	1	2:30 PM	21		
2:45 AM	0	2:45 PM	22		
3:00 AM	3	3:00 PM	26		
3:15 AM	0	3:15 PM	26		
3:30 AM	2	3:30 PM	25		
3:45 AM	6	3:45 PM	32		
4:00 AM	12	4:00 PM	22		
4:15 AM	14	4:15 PM	28		
4:30 AM	15	4:30 PM	20		
4:45 AM	29	4:45 PM	27		
5:00 AM	31	5:00 PM	28		
5:15 AM	59	5:15 PM	27		
5:30 AM	35	5:30 PM	20		
5:45 AM	42	5:45 PM	22		
6:00 AM	69	6:00 PM	22		
6:15 AM	70	6:15 PM	14		
6:30 AM	42	6:30 PM	24		
6:45 AM	54	6:45 PM	14		
7:00 AM	42	7:00 PM	18		
7:15 AM	41	7:15 PM	9		
7:30 AM	44	7:30 PM	8		
7:45 AM	27	7:45 PM	8		
8:00 AM	40	8:00 PM	7		
8:15 AM	18	8:15 PM	12		
8:30 AM	11	8:30 PM	9		
8:45 AM	14	8:45 PM	14		
9:00 AM	14	9:00 PM	7		
9:15 AM	14	9:15 PM	4		
9:30 AM	12	9:30 PM	15		
9:45 AM	7	9:45 PM	15		
10:00 AM	16	10:00 PM	10		
10:15 AM	13	10:15 PM	11		
10:30 AM	9	10:30 PM	6		
10:45 AM	11	10:45 PM	6		
11:00 AM	9	11:00 PM	1		
11:15 AM	12	11:15 PM	2		
11:30 AM	15	11:30 PM	2		
11:45 AM	14	11:45 PM	1		