



October 29, 2019

Mr. William Lewis, President
BREMCO CONSTRUCTION, INC.
3470 East Spring Street
Long Beach, CA 90806

RE: Old Dominion Fontana Project Trip Generation Memorandum

19-0192

Dear Mr. Lewis:

INTRODUCTION

Ganddini Group, Inc. is pleased to provide this trip generation memorandum for the proposed Old Dominion Fontana Project. The purpose of this trip generation analysis is to document the number of trips forecast to be generated by the proposed project. We trust the findings of this analysis will aid in assessing the need for further traffic analysis.

Although this is a technical report, effort has been made to write the report clearly and concisely. To assist the reader with terms related to transportation engineering, a glossary is provided in Appendix A.

PROJECT DESCRIPTION

The 8.5-acre project site is located at the northwest corner of Lime Avenue and Arrow Route in unincorporated County of San Bernardino (address 15550 Arrow Route). The project location map is shown on Figure 1. The project site is currently developed with an approximately 4,000 square foot structure for a transportation/logistics company. The proposed project involves redeveloping the project site with an approximately 32,150 square foot building for a freight forwarding and dispatch uses. The proposed project site plan is illustrated on Figure 2.

TRIP GENERATION

Table 1 shows the project trip generation rates derived from count surveys conducted on existing sites. Count surveys for the existing Old Dominion in the City of Anaheim were conducted on Tuesday, December 4, 2018, and Tuesday, December 11, 2018. Count surveys for the existing Old Dominion in the City of Rialto were conducted on three consecutive weekdays on June 18-20, 2019 (see Appendix B). Trip generation rates were determined for weekday AM peak hour trips, PM peak hour trips, and daily trips for the proposed land use. The average trip generation rates were determined by dividing the number of trips counted by the square footage of each survey site.

Table 2 shows the project trip generation estimate for the proposed project in terms of number of vehicle trips generated as well as Passenger Car Equivalent (PCE) trips generated based on average truck mix percentages were also obtained from the trip generation surveys (see Appendix B).

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As shown in Table 2, the proposed project is forecast to generate approximately 507 daily vehicle trips, including 22 vehicle trips during the AM peak hour and 25 vehicle trips during the PM peak hour. As also shown in Table 2, the proposed project is forecast to generate approximately 889 daily PCE trips, including 42 PCE trips during the AM peak hour and 47 PCE trips during the PM peak hour.

The project trip generation shown in Table 2 reflects the gross trips forecast to be generated by the proposed project. Since the project site is currently occupied, trips generated by the existing transportation/logistics land use would be displaced and the net new trips added to the surrounding roadways by the proposed project would be even lower than that shown in Table 2.

CRITERIA FOR THE PREPARATION OF TRAFFIC IMPACT ANALYSES

According to the County of San Bernardino Traffic Impact Study Guidelines (April 2014), the requirement to prepare a traffic impact analysis is based upon, but not limited to, one or more of the following criteria:

- If a project generates 100 or more trips without consideration of pass-by trips during any peak hour.
- If the project is located within 300 feet of the intersection of two streets designated as Collector or higher in the County's General Plan or the Department's Master Plan, or (an) impacted intersection as determined by the Traffic Division.
- The project creates safety or operational concerns.

If a project generates less than 100 trips without consideration of pass-by trips during any peak hour, a focused study may still be required if there are special concerns.

CONCLUSION

The proposed project is forecast to generate fewer than 100 peak hour trips and it is not located within 300 feet of an intersection of two streets designated as Collector or higher. Assuming roadway improvements shall be constructed to the satisfaction of the Public Works Department, there are no apparent safety or operational concerns with implementation of the project. Therefore, further traffic analysis does not appear to be necessary for the proposed project.

We appreciate the opportunity to assist you on this project. Should you have any questions or if we can be of further assistance, please do not hesitate to call at (714) 795-3100 x 107.

Sincerely,

Daniel A. Flores, EIT
Transportation Planner



Giancarlo Ganddini, TE, PTP
Principal

Table 1
Project Trip Generation Rates Based on Surveys of Existing Sites

Land Use	Quantity	Unit	Trips Generated						Daily	
			AM Peak Hour			PM Peak Hour				
			In	Out	Total	In	Out	Total		
Anaheim Old Dominion (Total) ¹	24.500	TSF	9	4	13	8	7	15	n/a ³	
- Cars			6	1	7	2	4	6	n/a	
- Trucks			3	3	6	6	3	9	n/a	
Rialto Old Dominion (Total) ²	125.000	TSF	53	55	108	69	46	115	1,971	
- Cars			34	14	48	38	33	71	1,050	
- Trucks			19	41	60	31	13	44	921	

Land Use	Quantity	Unit	Trip Generation Rates						Daily	
			AM Peak Hour			PM Peak Hour				
			% In	% Out	Total	% In	% Out	Total		
Anaheim Old Dominion (Total)	1.000	TSF	69%	31%	0.53	53%	47%	0.61	-	
- Cars			86%	14%	0.29	33%	67%	0.24	-	
- Trucks			50%	50%	0.24	67%	33%	0.37	-	
Rialto Old Dominion (Total)	1.000	TSF	49%	51%	0.86	60%	40%	0.92	15.77	
- Cars			71%	29%	0.38	54%	46%	0.57	8.40	
- Trucks			32%	68%	0.48	70%	30%	0.35	7.37	
Average (Total)	1.000	TSF	59%	41%	0.70	57%	43%	0.77	15.77	
- Cars			78%	22%	0.34	43%	57%	0.41	8.40	
- Trucks			41%	59%	0.36	69%	31%	0.36	7.37	

Notes:

(1) Source: Trip generation surveys conducted at the existing Old Dominion Freight Line site in the City of Anaheim on Tuesday, December 4, 2018 and Tuesday, December 11, 2018 (see Appendix B).

(2) Source: Trip generation surveys conducted at the existing Old Dominion Freight Line site in the City of Rialto on June 18-20, 2019 (see Appendix B).

(3) Survey only included AM and PM peak periods; daily trips counts are not available.

Table 2
Project Trip Generation

Land Use	Source ¹	Unit	Trip Generation Rates			PM Peak Hour			Daily ²
			% In	% Out	Total	% In	% Out	Total	
Average of Existing Old Dominion Survey Sites									
Cars	Survey	TSF	78%	22%	0.34	43%	57%	0.41	8.40
Trucks	Survey	TSF	41%	59%	0.36	69%	31%	0.36	7.37
2-Axle Trucks			24%	12%	-	5%	23%	-	22%
3-Axle Trucks			19%	20%	-	12%	0%	-	6%
4+ Axle Trucks			57%	68%	-	83%	77%	-	72%

Land Use	Quantity	Unit	Vehicle Trips Generated			PM Peak Hour			Daily ²
			In	Out	Total	In	Out	Total	
<u>Proposed Project</u>									
Proposed Old Dominion Fontana	32.152	TSF							
Cars			8	2	10	6	7	13	270
Trucks			1	1	2	0	1	1	52
2-Axle Trucks			1	1	2	1	0	1	14
3-Axle Trucks			3	5	8	7	3	10	171
4+ Axle Trucks			5	7	12	8	4	12	237
Subtotal Trucks									
TOTAL VEHICLE TRIPS GENERATED			13	9	22	14	11	25	507

Land Use	Quantity (TSF)	Passenger Car Equivalent (PCE) Trips Generated			PM Peak Hour			Daily ²
		In	Out	Total	In	Out	Total	
<u>Proposed Trips</u>								
Proposed Old Dominion (Fontana)	32.152							
Cars		8	2	10	6	7	13	270
Trucks								
2-Axle Trucks	1.5	2	2	4	0	2	2	78
3-Axle Trucks	2.0	2	2	4	2	0	2	28
4+ Axle Trucks	3.0	9	15	24	21	9	30	513
Subtotal Trucks	--	13	19	32	23	11	34	619
TOTAL PCE TRIPS GENERATED		21	21	42	29	18	47	889

Notes:

(1) See Table 1

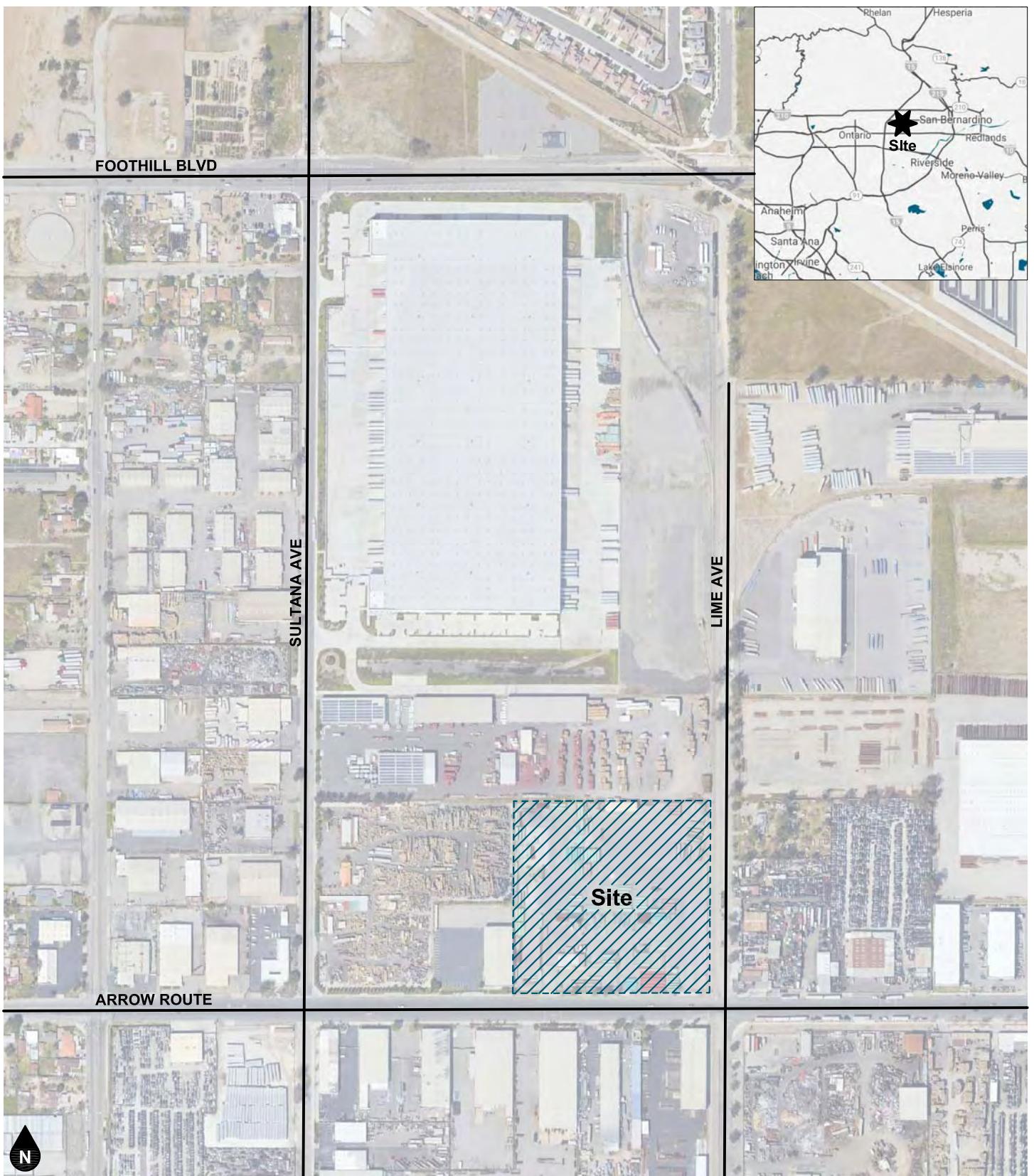


Figure 1
Project Location Map

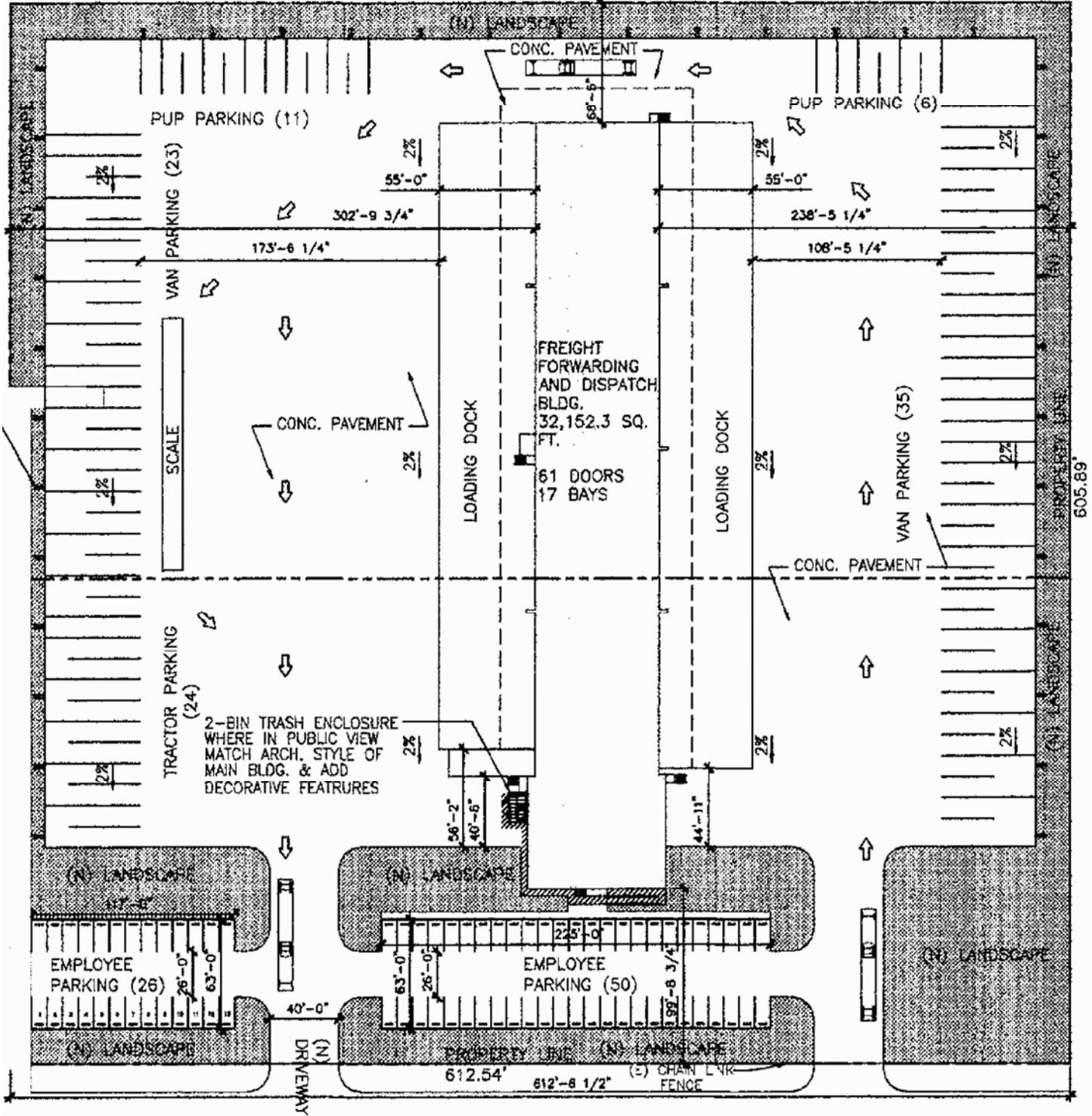


Figure 2
Site Plan

APPENDICES

Appendix A Glossary

Appendix B Trip Generation Survey Worksheets

APPENDIX A

GLOSSARY

GLOSSARY OF TERMS

ACRONYMS

AC	Acres
ADT	Average Daily Traffic
Caltrans	California Department of Transportation
DU	Dwelling Unit
ICU	Intersection Capacity Utilization
LOS	Level of Service
TSF	Thousand Square Feet
V/C	Volume/Capacity
VMT	Vehicle Miles Traveled

TERMS

AVERAGE DAILY TRAFFIC: The average 24-hour volume for a stated period divided by the number of days in that period. For example, Annual Average Daily Traffic is the total volume during a year divided by 365 days.

BANDWIDTH: The number of seconds of green time available for through traffic in a signal progression.

BOTTLENECK: A point of constriction along a roadway that limits the amount of traffic that can proceed downstream from its location.

CAPACITY: The maximum number of vehicles that can be reasonably expected to pass over a given section of a lane or a roadway in a given time period.

CHANNELIZATION: The separation or regulation of conflicting traffic movements into definite paths of travel by the use of pavement markings, raised islands, or other suitable means to facilitate the safe and orderly movements of both vehicles and pedestrians.

CLEARANCE INTERVAL: Nearly same as yellow time. If there is an all red interval after the end of a yellow, then that is also added into the clearance interval.

CONTROL DELAY: The component of delay, typically expressed in seconds per vehicle, resulting from the type of traffic control at an intersection. Control delay is measured by comparison with the uncontrolled condition; it includes delay incurred by slowing down, stopping/waiting, and speeding up.

CORDON: An imaginary line around an area across which vehicles, persons, or other items are counted (in and out).

CORNER SIGHT DISTANCE: The minimum sight distance required by the driver of a vehicle to cross or enter the lanes of the major roadway without requiring approaching traffic travelling at a given speed to radically alter their speed or trajectory. Corner sight distance is measured from the driver's eye at 42 inches above the pavement to an object height of 36 inches above the pavement in the center of the nearest approach lane.

CYCLE LENGTH: The time period in seconds required for a traffic signal to complete one full cycle of indications.

CUL-DE-SAC: A local street open at one end only and with special provisions for turning around.

DAILY CAPACITY: A theoretical value representing the daily traffic volume that will typically result in a peak hour volume equal to the capacity of the roadway.

DELAY: The time consumed while traffic is impeded in its movement by some element over which it has no control, usually expressed in seconds per vehicle.

DEMAND RESPONSIVE SIGNAL: Same as traffic-actuated signal.

DENSITY: The number of vehicles occupying in a unit length of the through traffic lanes of a roadway at any given instant. Usually expressed in vehicles per mile.

DETECTOR: A device that responds to a physical stimulus and transmits a resulting impulse to the signal controller.

DESIGN SPEED: A speed selected for purposes of design. Features of a highway, such as curvature, superelevation, and sight distance (upon which the safe operation of vehicles is dependent) are correlated to design speed.

DIRECTIONAL SPLIT: The percent of traffic in the peak direction at any point in time.

DIVERSION: The rerouting of peak hour traffic to avoid congestion.

FORCED FLOW: Opposite of free flow.

FREE FLOW: Volumes are well below capacity. Vehicles can maneuver freely and travel is unimpeded by other traffic.

GAP: Time or distance between successive vehicles in a traffic stream, rear bumper to front bumper.

HEADWAY: Time or distance spacing between successive vehicles in a traffic stream, front bumper to front bumper.

INTERCONNECTED SIGNAL SYSTEM: A number of intersections that are connected to achieve signal progression.

LEVEL OF SERVICE: A qualitative measure of a number of factors, which include speed and travel time, traffic interruptions, freedom to maneuver, safety, driving comfort and convenience, and operating costs.

LOOP DETECTOR: A vehicle detector consisting of a loop of wire embedded in the roadway, energized by alternating current and producing an output circuit closure when passed over by a vehicle.

MINIMUM ACCEPTABLE GAP: Smallest time headway between successive vehicles in a traffic stream into which another vehicle is willing and able to cross or merge.

MULTI-MODAL: More than one mode; such as automobile, bus transit, rail rapid transit, and bicycle transportation modes.

OFFSET: The time interval in seconds between the beginning of green at one intersection and the beginning of green at an adjacent intersection.

PLATOON: A closely grouped component of traffic that is composed of several vehicles moving, or standing ready to move, with clear spaces ahead and behind.

PASSENGER CAR EQUIVALENT (PCE): A metric used to assess the impact of larger vehicles, such as trucks, recreational vehicles, and buses, by converting the traffic volume of larger vehicles to an equivalent number of passenger cars.

PEAK HOUR: The 60 consecutive minutes with the highest number of vehicles.

PRETIMED SIGNAL: A type of traffic signal that directs traffic to stop and go on a predetermined time schedule without regard to traffic conditions. Also, fixed time signal.

PROGRESSION: A term used to describe the progressive movement of traffic through several signalized intersections.

QUEUE: The number of vehicles waiting at a service area such as a traffic signal, stop sign, or access gate.

QUEUE LENGTH: The length of vehicle queue, typically expressed in feet, waiting at a service area such as a traffic signal, stop sign, or access gate.

SCREEN-LINE: An imaginary line or physical feature across which all trips are counted, normally to verify the validity of mathematical traffic models.

SHARED/RECIPROCAL PARKING AGREEMENT: A written binding document executed between property owners to provide a designated number of off-street parking stalls within a designated area to be available for specified businesses or land uses.

SIGHT DISTANCE: The continuous length of roadway visible to a driver or roadway user.

SIGNAL CYCLE: The time period in seconds required for one complete sequence of signal indications.

SIGNAL PHASE: The part of the signal cycle allocated to one or more traffic movements.

STACKING DISTANCE: The length of area available behind a service area, such as a traffic signal or gate, for vehicle queueing to occur.

STARTING DELAY: The delay experienced in initiating the movement of queued traffic from a stop to an average running speed through an intersection.

STOPPING SIGHT DISTANCE: The minimum distance required by the driver of a vehicle on the major roadway travelling at a given speed to bring the vehicle to a stop after an object on the road becomes visible. Stopping sight distance is measured from the driver's eye at 42 inches above the pavement to an object height of 6 inches above the pavement.

TRAFFIC-ACTUATED SIGNAL: A type of traffic signal that directs traffic to stop and go in accordance with the demands of traffic, as registered by the actuation of detectors.

TRIP: The movement of a person or vehicle from one location (origin) to another (destination). For example, from home to store to home is two trips, not one.

TRIP-END: One end of a trip at either the origin or destination (i.e., each trip has two trip-ends). A trip-end occurs when a person, object, or message is transferred to or from a vehicle.

TRIP GENERATION RATE: The quantity of trips produced and/or attracted by a specific land use stated in terms of units such as per dwelling, per acre, and per 1,000 square feet of floor space.

TRUCK: A vehicle having dual tires on one or more axles, or having more than two axles.

TURNING RADIUS: The circular arc formed by the smallest turning path radius of the front outside tire of a vehicle, such as that performed by a U-turn maneuver. This is based on the length and width of the wheel base as well as the steering mechanism of the vehicle.

UNBALANCED FLOW: Heavier traffic flow in one direction than the other. On a daily basis, most facilities have balanced flow. During the peak hours, flow is seldom balanced in an urban area.

VEHICLE MILES OF TRAVEL: A measure of the amount of usage of a section of highway, obtained by multiplying the average daily traffic by length of facility in miles.

APPENDIX B

TRIP GENERATION SURVEY WORKSHEETS

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 18, 2019

JOB #: SC2254

CITY: Rialto

LOCATION: Rialto-Driveway west of S Willow

AM TIME							PM Time								
	1	2	3	4	5	6		1	2	3	4	5	6	TOTAL	
0:00	5	1	0	5	0	0	11	12:00	5	0	0	4	0	0	9
0:15	3	1	0	4	0	0	8	12:15	4	0	1	5	0	0	10
0:30	10	1	0	6	0	0	17	12:30	22	2	0	2	0	0	26
0:45	3	0	0	2	0	0	5	12:45	9	0	1	0	0	0	10
1:00	2	0	0	2	0	0	4	13:00	5	1	0	5	0	0	11
1:15	2	1	0	5	0	0	8	13:15	6	3	0	1	0	0	10
1:30	4	1	0	4	0	0	9	13:30	6	0	0	3	0	0	9
1:45	3	3	0	2	0	0	8	13:45	0	2	1	2	0	0	5
2:00	4	2	0	4	0	0	10	14:00	3	0	0	0	0	0	3
2:15	1	1	0	3	0	0	5	14:15	3	0	0	4	0	0	7
2:30	17	0	1	3	0	0	21	14:30	9	1	0	2	0	0	12
2:45	6	0	0	3	0	0	9	14:45	2	2	0	0	0	0	4
3:00	2	1	0	2	0	0	5	15:00	9	0	0	2	0	0	11
3:15	7	0	1	4	0	0	12	15:15	7	1	1	3	0	0	12
3:30	3	2	0	3	0	0	8	15:30	8	0	0	3	0	0	11
3:45	8	1	1	3	0	0	13	15:45	3	1	0	3	0	0	7
4:00	18	0	0	2	0	0	20	16:00	11	0	0	1	0	0	12
4:15	2	0	0	1	0	0	3	16:15	5	0	0	5	0	0	10
4:30	6	1	0	5	0	0	12	16:30	7	0	0	0	0	0	7
4:45	2	1	0	5	0	0	8	16:45	8	0	0	2	0	0	10
5:00	5	2	0	1	0	0	8	17:00	15	1	0	1	0	0	17
5:15	1	1	0	5	0	0	7	17:15	10	2	0	2	0	0	14
5:30	3	2	0	5	0	0	10	17:30	3	2	0	5	0	0	10
5:45	0	1	0	5	0	0	6	17:45	2	0	1	1	0	0	4
6:00	1	1	0	4	0	0	6	18:00	7	4	0	1	0	0	12
6:15	3	2	0	2	0	0	7	18:15	5	1	0	5	0	0	11
6:30	3	1	1	1	0	0	6	18:30	11	0	0	6	0	0	17
6:45	2	2	0	8	0	0	12	18:45	4	1	0	3	0	0	8
7:00	6	1	0	3	0	0	10	19:00	7	0	0	5	0	0	12
7:15	1	3	0	1	0	0	5	19:15	4	0	0	4	0	0	8
7:30	3	1	0	4	0	0	8	19:30	6	0	0	4	0	0	10
7:45	1	2	0	7	0	0	10	19:45	1	0	0	5	0	0	6
8:00	4	6	0	10	0	0	20	20:00	7	1	0	3	0	0	11
8:15	5	2	1	5	0	0	13	20:15	7	0	1	3	0	0	11
8:30	4	0	0	4	0	0	8	20:30	5	0	0	5	0	0	10
8:45	3	0	0	10	0	0	13	20:45	3	0	0	4	0	0	7
9:00	1	1	0	3	0	0	5	21:00	2	2	0	5	0	0	9
9:15	1	0	0	5	0	0	6	21:15	5	2	0	4	0	0	11
9:30	13	0	0	7	0	0	20	21:30	4	2	0	2	0	0	8
9:45	8	1	1	5	0	0	15	21:45	7	1	0	4	0	0	12
10:00	2	1	1	10	0	0	14	22:00	1	0	0	3	0	0	4
10:15	3	0	0	5	0	0	8	22:15	6	1	0	4	0	0	11
10:30	7	2	0	4	0	0	13	22:30	5	0	0	1	0	0	6
10:45	1	2	0	5	0	0	8	22:45	2	0	1	3	0	0	6
11:00	5	1	0	2	0	0	8	23:00	6	1	0	3	0	0	10
11:15	6	1	0	9	0	0	16	23:15	3	0	0	6	0	0	9
11:30	7	0	2	7	0	0	16	23:30	4	3	0	3	0	0	10
11:45	2	0	1	4	0	0	7	23:45	5	1	0	4	0	0	10
TOTAL	209	53	10	209	0	0	481	TOTAL	279	38	7	146	0	0	470
AM PEAK HOUR							9:30 AM	AM PEAK HOUR							12:30 PM
AM PEAK VOLUME							57	AM PEAK VOLUME							57

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	488	91	17	355	0	0	951
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	51.3%	9.6%	1.8%	37.3%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV	TOTAL: ALL	999	216	25	694	0	0	1,934
CLASS 6	Buses	% OF TOTAL	51.7%	11.2%	1.3%	35.9%	0.0%	0.0%	100.0%

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Tuesday, June 18, 2019
JOB #: SC2254

CITY: Rialto
LOCATION: Rialto-Driveway west of S Willow

AM TIME							PM Time							
	1	2	3	4	5	6		1	2	3	4	5	6	TOTAL
0:00	3	0	0	7	0	0	10	12:00	1	0	0	0	0	0
0:15	2	0	0	0	0	0	2	12:15	8	3	0	3	0	0
0:30	3	3	0	3	0	0	9	12:30	2	1	1	1	0	0
0:45	9	1	0	2	0	0	12	12:45	4	0	0	2	0	0
1:00	3	1	0	2	0	0	6	13:00	9	1	0	4	0	0
1:15	1	1	0	1	0	0	3	13:15	3	1	0	1	0	0
1:30	1	1	0	6	0	0	8	13:30	3	1	0	1	0	0
1:45	6	0	0	5	0	0	11	13:45	7	1	0	3	0	0
2:00	3	2	0	1	0	0	6	14:00	3	0	0	3	0	0
2:15	0	5	0	2	0	0	7	14:15	1	0	0	1	0	0
2:30	4	0	0	4	0	0	8	14:30	3	0	1	1	0	0
2:45	4	1	0	6	0	0	11	14:45	4	1	0	9	0	0
3:00	4	2	0	6	0	0	12	15:00	1	2	0	8	0	0
3:15	0	1	0	1	0	0	2	15:15	6	2	0	0	0	0
3:30	8	4	0	2	0	0	14	15:30	7	1	0	4	0	0
3:45	24	0	0	2	0	0	26	15:45	15	0	0	9	0	0
4:00	2	2	0	3	0	0	7	16:00	1	1	0	2	0	0
4:15	3	0	0	2	0	0	5	16:15	1	0	0	4	0	0
4:30	9	1	0	1	0	0	11	16:30	5	0	0	1	0	0
4:45	13	3	0	2	0	0	18	16:45	6	0	0	7	0	0
5:00	1	1	0	2	0	0	4	17:00	5	2	0	7	0	0
5:15	5	3	0	2	0	0	10	17:15	8	0	1	6	0	0
5:30	5	2	0	4	0	0	11	17:30	12	0	0	9	0	0
5:45	7	1	0	2	0	0	10	17:45	18	1	0	8	0	0
6:00	8	4	0	5	0	0	17	18:00	4	0	0	11	0	0
6:15	5	2	1	0	0	0	8	18:15	4	1	0	4	0	0
6:30	5	2	0	2	0	0	9	18:30	3	0	0	6	0	0
6:45	18	1	0	1	0	0	20	18:45	5	0	0	5	0	0
7:00	7	0	0	2	0	0	9	19:00	13	0	0	7	0	0
7:15	11	1	0	5	0	0	17	19:15	7	0	0	7	0	0
7:30	9	2	0	4	0	0	15	19:30	2	0	0	8	0	0
7:45	11	4	0	2	0	0	17	19:45	7	2	0	7	0	0
8:00	5	2	0	1	0	0	8	20:00	3	2	0	5	0	0
8:15	9	4	0	0	0	0	13	20:15	3	2	0	2	0	0
8:30	9	3	0	1	0	0	13	20:30	3	1	0	7	0	0
8:45	5	1	0	1	0	0	7	20:45	6	0	0	6	0	0
9:00	4	0	0	4	0	0	8	21:00	5	0	1	3	0	0
9:15	4	3	0	5	0	0	12	21:15	3	0	1	4	0	0
9:30	2	2	0	0	0	0	4	21:30	5	2	1	4	0	0
9:45	5	0	0	2	0	0	7	21:45	3	2	0	2	0	0
10:00	1	1	0	4	0	0	6	22:00	2	4	0	3	0	0
10:15	2	1	0	4	0	0	7	22:15	5	0	1	2	0	0
10:30	10	2	0	4	0	0	16	22:30	5	0	0	1	0	0
10:45	5	4	0	2	0	0	11	22:45	4	2	0	6	0	0
11:00	6	3	0	2	0	0	11	23:00	3	1	0	1	0	0
11:15	6	1	0	6	0	0	13	23:15	5	2	0	4	0	0
11:30	3	3	0	3	0	0	9	23:30	3	0	0	4	0	0
11:45	2	1	0	2	0	0	5	23:45	3	4	0	6	0	0
TOTAL	272	82	1	130	0	0	485	TOTAL	239	43	7	209	0	0
	AM PEAK HOUR						6:45 AM	AM PEAK HOUR						5:15 PM
	AM PEAK VOLUME						61	AM PEAK VOLUME						78

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	511	125	8	339	0	0	983
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	52.0%	12.7%	0.8%	34.5%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV								
CLASS 6	BUS								

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Wednesday, June 19, 2019
JOB #: SC2254CITY: Rialto
LOCATION: Rialto-Driveway west of S Willow

AM TIME							PM Time							
	1	2	3	4	5	6		1	2	3	4	5	6	TOTAL
0:00	4	0	0	4	0	0	8	12:00	5	1	0	2	0	0
0:15	6	1	0	4	0	0	11	12:15	3	0	0	1	0	0
0:30	4	1	0	0	0	0	5	12:30	3	0	1	4	0	0
0:45	10	2	0	0	0	0	12	12:45	5	0	0	2	0	0
1:00	3	0	0	3	0	0	6	13:00	5	1	0	0	0	0
1:15	2	1	0	5	0	0	8	13:15	3	0	0	3	0	0
1:30	1	2	0	1	0	0	4	13:30	5	0	0	3	0	0
1:45	6	1	0	2	0	0	9	13:45	11	1	0	1	0	0
2:00	1	1	0	4	0	0	6	14:00	4	0	0	3	0	0
2:15	1	1	0	2	0	0	4	14:15	1	1	0	5	0	0
2:30	1	0	1	4	0	0	6	14:30	2	1	0	1	0	0
2:45	5	1	0	7	0	0	13	14:45	4	2	0	3	0	0
3:00	2	2	0	1	0	0	5	15:00	5	0	1	5	0	0
3:15	1	2	0	1	0	0	4	15:15	2	0	0	4	0	0
3:30	9	4	0	2	0	0	15	15:30	14	0	0	2	0	0
3:45	24	1	0	4	0	0	29	15:45	12	1	1	8	0	0
4:00	6	2	0	0	0	0	8	16:00	5	0	1	6	0	0
4:15	2	1	0	3	0	0	6	16:15	1	2	2	3	0	0
4:30	7	1	0	2	0	0	10	16:30	6	1	1	3	0	0
4:45	12	1	0	1	0	0	14	16:45	6	0	0	3	0	0
5:00	5	1	0	6	0	0	12	17:00	5	1	0	5	0	0
5:15	8	0	0	2	0	0	10	17:15	11	1	0	5	0	0
5:30	5	0	0	2	0	0	7	17:30	8	1	1	5	0	0
5:45	9	0	0	2	0	0	11	17:45	16	1	2	7	0	0
6:00	8	0	0	3	0	0	11	18:00	5	4	0	9	0	0
6:15	8	1	0	1	0	0	10	18:15	3	1	0	10	0	0
6:30	8	2	0	2	0	0	12	18:30	2	1	0	6	0	0
6:45	11	4	0	4	0	0	19	18:45	7	0	1	4	0	0
7:00	6	1	0	5	0	0	12	19:00	9	0	1	6	0	0
7:15	7	0	0	0	0	0	7	19:15	10	1	1	5	0	0
7:30	12	0	0	3	0	0	15	19:30	5	1	0	5	0	0
7:45	8	1	0	5	0	0	14	19:45	4	0	1	4	0	0
8:00	6	4	1	1	0	0	12	20:00	6	1	0	2	0	0
8:15	10	4	0	2	0	0	16	20:15	6	0	0	6	0	0
8:30	8	3	0	1	0	0	12	20:30	2	1	3	8	0	0
8:45	10	1	0	3	0	0	14	20:45	5	0	0	5	0	0
9:00	3	0	0	2	0	0	5	21:00	6	0	0	7	0	0
9:15	3	1	0	2	0	0	6	21:15	1	1	2	0	0	0
9:30	1	3	1	5	0	0	10	21:30	2	1	1	0	0	0
9:45	4	1	0	2	0	0	7	21:45	1	1	0	5	0	0
10:00	0	2	0	2	0	0	4	22:00	5	2	0	3	0	0
10:15	2	1	0	2	0	0	5	22:15	4	0	0	1	0	0
10:30	3	0	0	3	0	0	6	22:30	3	1	0	0	0	0
10:45	10	1	0	6	0	0	17	22:45	5	1	0	2	0	0
11:00	5	1	1	1	0	0	8	23:00	2	2	0	1	0	0
11:15	2	3	1	1	0	0	7	23:15	7	1	0	2	0	0
11:30	3	0	1	1	0	0	5	23:30	4	1	2	2	0	0
11:45	3	1	1	5	0	0	10	23:45	4	3	1	8	0	0
TOTAL	275	61	7	124	0	0	467	TOTAL	250	39	23	185	0	0

AM PEAK HOUR
AM PEAK VOLUMEAM PEAK HOUR
AM PEAK VOLUME

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	525	100	30	309	0	0	964
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	54.5%	10.4%	3.1%	32.1%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV								
CLASS 6	BUS								

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Thursday, June 20, 2019

JOB #: SC2254

CITY:

Rialto

LOCATION:

Rialto-Driveway west of S Willow

AM TIME							PM Time								
	1	2	3	4	5	6		1	2	3	4	5	6	TOTAL	
0:00	3	1	0	4	0	0	8	12:00	7	0	2	2	0	0	11
0:15	6	1	1	2	0	0	10	12:15	8	2	0	5	0	0	15
0:30	13	0	0	5	0	0	18	12:30	23	0	1	3	0	0	27
0:45	6	1	0	5	0	0	12	12:45	7	0	0	5	0	0	12
1:00	7	1	0	2	0	0	10	13:00	4	0	1	2	0	0	7
1:15	5	0	0	5	0	0	10	13:15	4	0	2	0	0	0	6
1:30	9	1	0	6	0	0	16	13:30	11	1	0	3	0	0	15
1:45	3	2	2	1	0	0	8	13:45	2	0	2	1	0	0	5
2:00	5	2	0	2	0	0	9	14:00	5	0	0	0	0	0	5
2:15	2	0	0	2	0	0	4	14:15	3	0	0	6	0	0	9
2:30	18	0	0	5	0	0	23	14:30	11	1	0	4	0	0	16
2:45	2	0	2	7	0	0	11	14:45	6	1	1	2	0	0	10
3:00	8	1	0	2	0	0	11	15:00	11	0	0	2	0	0	13
3:15	5	0	0	2	0	0	7	15:15	3	0	2	4	0	0	9
3:30	3	1	0	6	0	0	10	15:30	12	0	1	1	0	0	14
3:45	3	1	0	3	0	0	7	15:45	3	1	0	1	0	0	5
4:00	24	3	0	4	0	0	31	16:00	10	0	0	2	0	0	12
4:15	3	1	0	3	0	0	7	16:15	11	2	0	2	0	0	15
4:30	12	2	0	4	0	0	18	16:30	6	1	0	0	0	0	7
4:45	2	0	1	6	0	0	9	16:45	9	1	1	1	0	0	12
5:00	8	3	1	3	0	0	15	17:00	19	1	0	1	0	0	21
5:15	2	0	0	2	0	0	4	17:15	7	1	0	3	0	0	11
5:30	7	1	0	10	0	0	18	17:30	11	2	0	0	0	0	13
5:45	0	0	0	5	0	0	5	17:45	3	0	0	2	0	0	5
6:00	6	1	0	5	0	0	12	18:00	4	4	0	0	0	0	8
6:15	0	1	0	3	0	0	4	18:15	8	1	0	3	0	0	12
6:30	2	1	0	4	0	0	7	18:30	5	3	0	4	0	0	12
6:45	3	1	0	5	0	0	9	18:45	6	2	1	4	0	0	13
7:00	2	3	0	5	0	0	10	19:00	3	1	1	5	0	0	10
7:15	4	1	1	3	0	0	9	19:15	4	1	0	2	0	0	7
7:30	4	0	1	2	0	0	7	19:30	2	0	0	3	0	0	5
7:45	0	0	2	4	0	0	6	19:45	2	1	1	3	0	0	7
8:00	4	1	2	6	0	0	13	20:00	8	0	0	3	0	0	11
8:15	3	4	2	12	0	0	21	20:15	6	1	3	4	0	0	14
8:30	4	0	0	8	0	0	12	20:30	6	0	0	7	0	0	13
8:45	5	1	1	4	0	0	11	20:45	5	3	1	7	0	0	16
9:00	5	1	1	6	0	0	13	21:00	3	0	0	0	0	0	3
9:15	2	1	1	5	0	0	9	21:15	3	1	1	1	0	0	6
9:30	17	2	0	5	0	0	24	21:30	2	0	0	3	0	0	5
9:45	4	2	0	5	0	0	11	21:45	3	1	0	6	0	0	10
10:00	7	1	1	5	0	0	14	22:00	6	0	1	5	0	0	12
10:15	5	1	1	3	0	0	10	22:15	18	1	1	3	0	0	23
10:30	6	2	1	3	0	0	12	22:30	3	0	0	3	0	0	6
10:45	5	0	2	1	0	0	8	22:45	2	0	0	2	0	0	4
11:00	4	2	0	3	0	0	9	23:00	6	1	1	3	0	0	11
11:15	2	0	1	3	0	0	6	23:15	3	0	1	4	0	0	8
11:30	2	1	0	1	0	0	4	23:30	6	1	1	2	0	0	10
11:45	6	2	1	3	0	0	12	23:45	3	0	0	3	0	0	6
TOTAL	258	51	25	200	0	0	534	TOTAL	313	36	26	132	0	0	507

AM PEAK HOUR
4:00 AM
AM PEAK VOLUME
65AM PEAK HOUR
12:00 PM
AM PEAK VOLUME
65

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	571	87	51	332	0	0	1,041
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	54.9%	8.4%	4.9%	31.9%	0.0%	0.0%	100.0%
<hr/>									
CLASS 3	3-AXLE TRUCKS	TOTAL: ALL	1,128	188	92	665	0	0	2,073
CLASS 4	4 OR MORE AXLE TRUCKS	% OF TOTAL	54.4%	9.1%	4.4%	32.1%	0.0%	0.0%	100.0%
CLASS 5	RV								
CLASS 6	Buses								

24-HOUR ROADWAY SEGMENT COUNTS (WITH CLASSIFICATION)

Prepared by AimTD LLC tel. 714 253 7888 cs@aimtd.com

DATE: Thursday, June 20, 2019
JOB #: SC2254

CITY: Rialto
LOCATION: Rialto-Driveway west of S Willow

AM TIME							PM Time								
	1	2	3	4	5	6		1	2	3	4	5	6	TOTAL	
0:00	4	1	0	4	0	0	9	12:00	3	2	1	1	0	0	7
0:15	5	2	0	6	0	0	13	12:15	2	1	2	3	0	0	8
0:30	5	2	0	4	0	0	11	12:30	10	0	0	0	0	0	10
0:45	11	0	1	0	0	0	12	12:45	4	0	0	3	0	0	7
1:00	5	4	1	2	0	0	12	13:00	4	0	0	2	0	0	6
1:15	3	1	0	4	0	0	8	13:15	4	2	0	2	0	0	8
1:30	3	3	0	3	0	0	9	13:30	9	0	1	0	0	0	10
1:45	7	2	0	3	0	0	12	13:45	7	0	0	4	0	0	11
2:00	1	1	1	1	0	0	4	14:00	3	1	3	0	0	0	7
2:15	1	2	0	2	0	0	5	14:15	1	0	0	2	0	0	3
2:30	1	1	0	5	0	0	7	14:30	4	0	1	2	0	0	7
2:45	5	0	0	6	0	0	11	14:45	3	1	0	4	0	0	8
3:00	1	5	1	1	0	0	8	15:00	2	1	0	3	0	0	6
3:15	1	1	0	6	0	0	8	15:15	10	1	1	2	0	0	14
3:30	4	1	0	3	0	0	8	15:30	10	0	1	2	0	0	13
3:45	24	3	1	1	0	0	29	15:45	10	3	0	7	0	0	20
4:00	7	0	0	3	0	0	10	16:00	4	1	0	5	0	0	10
4:15	3	4	0	3	0	0	10	16:15	2	1	1	6	0	0	10
4:30	12	0	0	5	0	0	17	16:30	3	0	0	6	0	0	9
4:45	9	2	1	5	0	0	17	16:45	6	1	0	6	0	0	13
5:00	2	0	0	4	0	0	6	17:00	5	1	0	3	0	0	9
5:15	7	2	0	1	0	0	10	17:15	8	0	0	4	0	0	12
5:30	11	0	0	4	0	0	15	17:30	11	0	0	6	0	0	17
5:45	12	0	0	5	0	0	17	17:45	7	1	1	12	0	0	21
6:00	12	0	1	3	0	0	16	18:00	4	0	1	6	0	0	11
6:15	11	1	0	2	0	0	14	18:15	3	0	1	7	0	0	11
6:30	8	1	0	1	0	0	10	18:30	3	0	0	8	0	0	11
6:45	14	2	0	4	0	0	20	18:45	8	0	2	5	0	0	15
7:00	8	2	0	0	0	0	10	19:00	8	1	0	4	0	0	13
7:15	8	2	0	4	0	0	14	19:15	7	1	0	5	0	0	13
7:30	8	2	0	4	0	0	14	19:30	2	0	1	8	0	0	11
7:45	16	0	0	3	0	0	19	19:45	5	2	4	6	0	0	17
8:00	4	0	0	2	0	0	6	20:00	4	2	1	4	0	0	11
8:15	8	2	0	5	0	0	15	20:15	3	1	1	3	0	0	8
8:30	5	0	2	3	0	0	10	20:30	7	0	0	5	0	0	12
8:45	3	1	0	3	0	0	7	20:45	3	0	2	1	0	0	6
9:00	7	3	0	2	0	0	12	21:00	1	2	0	5	0	0	8
9:15	4	3	1	3	0	0	11	21:15	6	2	0	4	0	0	12
9:30	7	0	0	3	0	0	10	21:30	4	2	0	2	0	0	8
9:45	6	2	0	2	0	0	10	21:45	1	1	0	2	0	0	4
10:00	4	2	0	2	0	0	8	22:00	7	1	0	10	0	0	18
10:15	3	0	1	2	0	0	6	22:15	4	0	1	3	0	0	8
10:30	5	2	1	2	0	0	10	22:30	7	0	0	0	0	0	7
10:45	5	0	0	3	0	0	8	22:45	4	0	0	2	0	0	6
11:00	8	0	0	2	0	0	10	23:00	8	0	1	3	0	0	12
11:15	5	1	1	1	0	0	8	23:15	9	2	1	2	0	0	14
11:30	4	1	0	9	0	0	14	23:30	1	0	0	2	0	0	3
11:45	6	3	0	3	0	0	12	23:45	3	0	0	2	0	0	5
TOTAL	313	67	13	149	0	0	542	TOTAL	244	34	28	184	0	0	490
AM PEAK HOUR 3:45 AM							AM PEAK HOUR 5:15 PM								
AM PEAK VOLUME 66							AM PEAK VOLUME 61								

CLASS 1	PASSENGER VEHICLES	TOTAL: AM+PM	557	101	41	333	0	0	1,032
CLASS 2	2-AXLE TRUCKS	% OF TOTAL	54.0%	9.8%	4.0%	32.3%	0.0%	0.0%	100.0%
CLASS 3	3-AXLE TRUCKS								
CLASS 4	4 OR MORE AXLE TRUCKS								
CLASS 5	RV								
CLASS 6	BUS								

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:
12/4/18
TUESDAY

LOCATION: Anaheim
NORTH & SOUTH: Driveway
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 2
CONTROL: STOP N/S

PCE Adjusted	NOTES:							AM PM MD OTHER OTHER	N E S ▼
		1	2	3	4	5	6		
		1	1.5	2	3	2	2		

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			U-TURNS				
	NL X	NT X	NR 0	SL X	ST X	SR 0	EL X	ET 2	ER 0	WL X	WT 3	WR 0	TOTAL	NB	SB	EB	WB

AM	7:00 AM	0	0	1	0	0	0	143	0	0	115	0	258					0
	7:15 AM	0	0	0	0	0	0	190	0	0	114	0	304					0
	7:30 AM	0	0	0	0	0	0	220	0	0	130	0	350					0
	7:45 AM	0	0	1	0	0	1	169	0	0	146	0	317					0
	8:00 AM	0	0	0	0	0	0	181	2	0	156	0	339					0
	8:15 AM	0	0	1	0	0	0	162	1	0	174	0	337					0
	8:30 AM	0	0	1	0	0	0	226	0	0	211	0	437					0
	8:45 AM	0	0	0	0	0	0	144	0	0	152	0	296					0
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0					0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0					0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0					0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0					0
	VOLUMES	0	0	4	0	0	1	0	1,433	3	0	1,196	0	2,637				0
	APPROACH %	0%	0%	100%	0%	0%	100%	0%	100%	0%	0%	100%	0%					0
	APP/DEPART	4	/	0	1	/	3	1,436	/	1,437	1,196	/	1,197	0				
	BEGIN PEAK HR	7:45 AM																
	VOLUMES	0	0	3	0	0	1	0	737	3	0	686	0	1,430				
	APPROACH %	0%	0%	100%	0%	0%	100%	0%	100%	0%	0%	100%	0%					
	PEAK HR FACTOR	0.750			0.250			0.820			0.815		0.818					
	APP/DEPART	3	/	0	1	/	3	740	/	740	686	/	687	0				
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0				0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0				0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0				0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0				0
	4:00 PM	0	0	2	0	0	0	0	178	0	0	221	0	400				0
	4:15 PM	0	0	5	0	0	0	0	175	0	1	208	0	389				0
	4:30 PM	0	0	5	0	0	1	0	183	0	1	236	0	425				0
	4:45 PM	0	0	1	0	0	0	0	203	1	1	230	0	435				0
	5:00 PM	1	0	1	0	0	1	0	187	1	0	266	0	457				0
	5:15 PM	0	0	2	0	0	0	0	220	0	0	269	0	491				0
5:30 PM	0	0	3	0	0	0	0	215	0	0	254	0	472				0	
	5:45 PM	0	0	2	0	0	0	205	0	0	233	0	440				0	
	VOLUMES	1	0	21	0	0	2	0	1,563	2	3	1,916	0	3,507				
	APPROACH %	5%	0%	95%	0%	0%	100%	0%	100%	0%	0%	100%	0%					
	APP/DEPART	22	/	0	2	/	5	1,565	/	1,584	1,919	/	1,919	0				
	BEGIN PEAK HR	5:00 PM																
	VOLUMES	1	0	8	0	0	1	0	826	1	0	1,022	0	1,859				
	APPROACH %	11%	0%	89%	0%	0%	100%	0%	100%	0%	0%	100%	0%					
	PEAK HR FACTOR	0.750			0.250			0.942			0.949		0.947					
	APP/DEPART	9	/	0	1	/	1	827	/	834	1,022	/	1,024	0				

Driveway

NORTH SIDE

La Palma WEST SIDE

EAST SIDE

La Palma

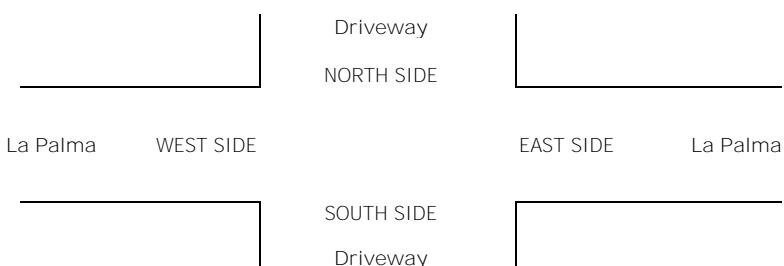
SOUTH SIDE

Driveway

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: 12/4/18 TUESDAY	LOCATION: NORTH & SOUTH: Driveway EAST & WEST: La Palma	PROJECT #: SC2014 LOCATION #: 2 CONTROL: STOP N/S											
CLASS 1: PASSENGER VEHICLES	NOTES:												
			AM PM MD OTHER OTHER										
			▲ N ◀ W S ▶ E										
	NORTHBOUND Driveway	SOUTHBOUND Driveway	EASTBOUND La Palma	WESTBOUND La Palma									
LANES:	NL X	NT X	NR 0	SL X	ST X	SR 0	EL X	ET 2	ER 0	WL X	WT 3	WR 0	TOTAL
AM	7:00 AM	0	0	1	0	0	0	123	0	0	91	0	215
	7:15 AM	0	0	0	0	0	0	163	0	0	90	0	253
	7:30 AM	0	0	0	0	0	0	188	0	0	110	0	298
	7:45 AM	0	0	1	0	0	1	151	0	0	131	0	284
	8:00 AM	0	0	0	0	0	0	155	2	0	133	0	290
	8:15 AM	0	0	1	0	0	0	146	1	0	159	0	307
	8:30 AM	0	0	1	0	0	0	200	0	0	181	0	382
	8:45 AM	0	0	0	0	0	0	123	0	0	122	0	245
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	4	0	0	1	0	1,249	3	0	1,017	0
	APPROACH %	0%	0%	100%	0%	0%	100%	0%	100%	0%	0%	100%	0%
	APP/DEPART	4	/	0	1	/	3	1,252	/	1,253	1,017	/	1,018
	BEGIN PEAK HR		7:45 AM										
	VOLUMES	0	0	3	0	0	1	0	652	3	0	604	0
	APPROACH %	0%	0%	100%	0%	0%	100%	0%	100%	0%	0%	100%	0%
	PEAK HR FACTOR	0.750			0.250			0.819			0.834		0.827
	APP/DEPART	3	/	0	1	/	3	655	/	655	604	/	605
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	2	0	0	0	0	152	0	0	210	0
	4:15 PM	0	0	5	0	0	0	0	152	0	1	191	0
	4:30 PM	0	0	3	0	0	1	0	173	0	1	210	0
	4:45 PM	0	0	1	0	0	0	0	189	1	1	211	0
	5:00 PM	1	0	1	0	0	1	0	169	1	0	247	0
	5:15 PM	0	0	2	0	0	0	0	207	0	0	255	0
	5:30 PM	0	0	3	0	0	0	0	186	0	0	241	0
	5:45 PM	0	0	2	0	0	0	0	181	0	0	225	0
	VOLUMES	1	0	19	0	0	2	0	1,409	2	3	1,790	0
	APPROACH %	5%	0%	95%	0%	0%	100%	0%	100%	0%	0%	100%	0%
	APP/DEPART	20	/	0	2	/	5	1,411	/	1,428	1,793	/	1,793
	BEGIN PEAK HR		5:00 PM										
	VOLUMES	1	0	8	0	0	1	0	743	1	0	968	0
	APPROACH %	11%	0%	89%	0%	0%	100%	0%	100%	0%	0%	100%	0%
	PEAK HR FACTOR	0.750			0.250			0.899			0.949		0.928
	APP/DEPART	9	/	0	1	/	1	744	/	751	968	/	970



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

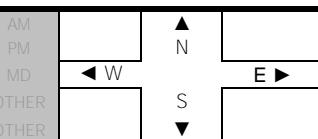
<u>DATE:</u>	
12/4/18	
TUESDAY	

LOCATION: Anaheim
NORTH & SOUTH: Driveway
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 2
CONTROL: STOP N/S

CLASS 2:
2-AXLE
WORK
VEHICLES/
TRUCKS

NOTES:



	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	Driveway			Driveway			La Palma			La Palma			
LANES:	NL <i>X</i>	NT <i>X</i>	NR <i>0</i>	SL <i>X</i>	ST <i>X</i>	SR <i>0</i>	EL <i>X</i>	ET <i>2</i>	ER <i>0</i>	WL <i>X</i>	WT <i>3</i>	WR <i>0</i>	TOTAL
AM	7:00 AM	0	0	0	0	0	0	9	0	0	9	0	18
	7:15 AM	0	0	0	0	0	0	10	0	0	7	0	17
	7:30 AM	0	0	0	0	0	0	11	0	0	8	0	19
	7:45 AM	0	0	0	0	0	0	12	0	0	6	0	18
	8:00 AM	0	0	0	0	0	0	13	0	0	8	0	21
	8:15 AM	0	0	0	0	0	0	7	0	0	7	0	14
	8:30 AM	0	0	0	0	0	0	9	0	0	13	0	22
	8:45 AM	0	0	0	0	0	0	10	0	0	12	0	22
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	81	0	0	70	0	151
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
	APP/DEPART	0	/	0	0	/	0	81	/	81	70	/	70
PM	BEGIN PEAK HR	8:00 AM											
	VOLUMES	0	0	0	0	0	0	39	0	0	40	0	79
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
	PEAK HR FACTOR	0.000			0.000			0.750			0.769		0.898
	APP/DEPART	0	/	0	0	/	0	39	/	39	40	/	40
	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	11	0	0	3	0	14
	4:15 PM	0	0	0	0	0	0	11	0	0	10	0	21
	4:30 PM	0	0	1	0	0	0	3	0	0	12	0	16
	4:45 PM	0	0	0	0	0	0	5	0	0	11	0	16
	5:00 PM	0	0	0	0	0	0	2	0	0	9	0	11
	5:15 PM	0	0	0	0	0	0	7	0	0	6	0	13
	5:30 PM	0	0	0	0	0	0	11	0	0	6	0	17
	5:45 PM	0	0	0	0	0	0	10	0	0	4	0	14
	VOLUMES	0	0	1	0	0	0	60	0	0	61	0	122
	APPROACH %	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%	
	APP/DEPART	1	/	0	0	/	0	60	/	61	61	/	61
TOTAL	BEGIN PEAK HR	4:00 PM											
	VOLUMES	0	0	1	0	0	0	30	0	0	36	0	67
	APPROACH %	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%	
	PEAK HR FACTOR	0.250			0.000			0.682			0.750		0.798
	APP/DEPART	1	/	0	0	/	0	30	/	31	36	/	36
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: 12/4/18 TUESDAY

LOCATION: Anaheim
NORTH & SOUTH: Driveway
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 2
CONTROL: STOP N/S

CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:		AM		
			PM		
			MD		
			OTHER		
			OTHER		

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	Driveway			Driveway			La Palma			La Palma			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	1
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	2	0	2
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	2	0	0	6	0	8
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
APP/DEPART	0	/	0	0	/	0	2	/	2	6	/	6	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	0	0	0	0	0	0	0	1	0	0	5	0	6
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.250			0.625			0.750
APP/DEPART	0	/	0	0	/	0	1	/	1	5	/	5	0
PM													
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	1	0	0	2	0	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:30 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
5:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
VOLUMES	0	0	0	0	0	0	0	6	0	0	4	0	10
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
APP/DEPART	0	/	0	0	/	0	6	/	6	4	/	4	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	0	0	0	0	0	0	0	4	0	0	2	0	6
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.500			0.250			0.500
APP/DEPART	0	/	0	0	/	0	4	/	4	2	/	2	0

Driveway

NORTH SIDE

La Palma WEST SIDE

EAST SIDE La Palma

SOUTH SIDE

Driveway

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:
12/4/18
TUESDAY

LOCATION: Anaheim
NORTH & SOUTH: Driveway
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 2
CONTROL: STOP N/S

CLASS 5:	NOTES:	AM PM MD OTHER OTHER	▲	N	E ▶ S ▼
			◀ W		
RV				<th data-kind="ghost"></th>	
				<th data-kind="ghost"></th>	
				<th data-kind="ghost"></th>	

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	Driveway			Driveway			La Palma			La Palma			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	0	0	0	0	1	0	0	0	0	1
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.250			0.000			0.250
APP/DEPART	0	/	0	0	/	0	1	/	1	0	/	0	0

U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: 12/4/18 TUESDAY	LOCATION: Anaheim NORTH & SOUTH: Driveway EAST & WEST: La Palma	PROJECT #: SC2014 LOCATION #: 2 CONTROL: STOP N/S											
CLASS 6:	NOTES:												
BUSES													
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL X	NT X	NR 0	SL X	ST X	SR 0	EL X	ET 2	ER 0	WL X	WT 3	WR 0	TOTAL
7:00 AM	0	0	0	0	0	0	0	2	0	0	2	0	4
7:15 AM	0	0	0	0	0	0	0	6	0	0	4	0	10
7:30 AM	0	0	0	0	0	0	0	2	0	0	3	0	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	1	0	0	4	5
8:15 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
8:30 AM	0	0	0	0	0	0	0	3	0	0	1	0	4
8:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	16	0	0	16	0	32
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	0	/	0	16	/	16	16	/	16	0
BEGIN PEAK HR		7:15 AM											
VOLUMES	0	0	0	0	0	0	0	9	0	0	11	0	20
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
PEAK HR FACTOR	0.000		0.000				0.375			0.688		0.500	
APP/DEPART	0	/	0	0	/	0	9	/	9	11	/	11	0
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	2	0	0	2	0	4
4:15 PM	0	0	0	0	0	0	0	2	0	0	1	0	3
4:30 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
4:45 PM	0	0	0	0	0	0	0	2	0	0	1	0	3
5:00 PM	0	0	0	0	0	0	0	3	0	0	1	0	4
5:15 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
5:30 PM	0	0	0	0	0	0	0	2	0	0	1	0	3
5:45 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
VOLUMES	0	0	0	0	0	0	0	14	0	0	9	0	23
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	0	/	0	14	/	14	9	/	9	0
BEGIN PEAK HR		4:00 PM											
VOLUMES	0	0	0	0	0	0	0	8	0	0	4	0	12
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
PEAK HR FACTOR	0.000		0.000				0.667			0.500		0.750	
APP/DEPART	0	/	0	0	/	0	8	/	8	4	/	4	0

Driveway

NORTH SIDE

La Palma WEST SIDE

EAST SIDE La Palma

SOUTH SIDE

Driveway

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC tel: 714 253 7888 cs@aimtd.com

DATE: 12/4/18 TUESDAY	LOCATION: Anaheim NORTH & SOUTH: Claudina EAST & WEST: La Palma	PROJECT #: SC2014 LOCATION #: 3 CONTROL: STOP N/S	
CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	N E S ▼

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	

U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

AM	7:00 AM	0 0 0 0 0 129 0 1 88 0 220			
	7:15 AM	0 0 2 0 0 0 1 166 0 0 97 0 266			
	7:30 AM	2 0 0 0 0 0 2 181 0 0 104 0 289			
	7:45 AM	4 0 0 0 0 0 0 157 2 1 127 1 292			
	8:00 AM	0 0 2 0 0 0 1 141 6 3 134 1 288			
	8:15 AM	1 0 1 0 0 0 1 149 1 2 172 1 328			
	8:30 AM	0 0 2 0 0 0 1 192 1 2 168 0 366			
	8:45 AM	0 0 2 0 0 0 1 122 2 1 121 0 249			
	9:00 AM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	9:15 AM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	9:30 AM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	9:45 AM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	VOLUMES	7 0 9 0 1 0 8 1,237 12 10 1,011 3 2,298			
	APPROACH %	44% 0% 56% 0% 100% 0% 1% 98% 1% 1% 99% 0%			
	APP/DEPART	16 / 11 1 / 23 1,257 / 1,246 1,024 / 1,018 0			
PM	BEGIN PEAK HR	7:45 AM			
	VOLUMES	5 0 5 0 0 0 3 639 10 8 601 3 1,274			
	APPROACH %	50% 0% 50% 0% 0%			
	PEAK HR FACTOR	0.625 0.000 0.840			
	APP/DEPART	10 / 6 0 / 18 652 / 644 612 / 606 0			
	03:00 PM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	3:15 PM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	3:30 PM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	3:45 PM	0 0 0 0 0 0 0 0 0 0 0 0 0			
	4:00 PM	0 0 1 1 0 0 1 155 1 4 221 0 384			
	4:15 PM	0 0 0 0 0 0 0 159 3 2 202 0 366			
	4:30 PM	0 0 0 0 0 0 1 171 1 1 202 0 377			
	4:45 PM	1 0 0 0 0 1 1 200 0 1 223 0 427			
	5:00 PM	2 0 2 0 0 0 0 157 2 3 229 0 395			
	5:15 PM	2 0 1 0 0 0 1 226 3 1 248 0 482			
5:30 PM	1 0 2 1 0 1 0 167 1 1 227 0 401				
5:45 PM	0 0 2 0 0 1 0 190 0 2 230 0 425				
VOLUMES	6 0 8 2 0 4 4 1,425 11 15 1,782 0 3,259				
APPROACH %	43% 0% 57% 33% 0% 67% 0% 99% 1% 1% 99% 0%				
APP/DEPART	14 / 4 6 / 26 1,442 / 1,435 1,797 / 1,794 0				
BEGIN PEAK HR	4:45 PM				
VOLUMES	6 0 5 1 0 2 2 750 6 6 927 0 1,706				
APPROACH %	55% 0% 45% 33% 0% 67% 0% 99% 1% 1% 99% 0%				
PEAK HR FACTOR	0.688 0.375 0.825				
APP/DEPART	11 / 2 3 / 12 759 / 756 933 / 936 0				



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

<u>DATE:</u>	
12/4/18	
TUESDAY	

LOCATION: Anaheim
NORTH & SOUTH: Claudina
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 3
CONTROL: STOP N/S

CLASS 3: 3-AXLE TRUCKS	NOTES:	AM PM MD OTHER OTHER	N		E	
			◀ W	S	▶ E	▼ S

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Claudina	Claudina	Claudina	La Palma	La Palma	La Palma	WL	WT	WR	WL	WT	WR	
NL	0	1	0	SL	0	ST	0	EL	0	ET	2	ER	0
0				0		0	0	0		0		0	

AM	7:00 AM	0	0	0	0	0	0	0	1	0	0	3	0	4
	7:15 AM	0	0	0	0	0	0	0	0	0	0	2	0	2
	7:30 AM	0	0	0	0	0	0	0	3	0	0	0	0	3
	7:45 AM	0	0	0	0	0	1	0	2	0	0	1	0	4
	8:00 AM	0	0	0	0	0	0	1	0	0	0	1	0	2
	8:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
	8:30 AM	0	0	0	0	0	0	0	3	0	0	1	0	4
	8:45 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	1	1	10	0	0	11	0	23
	APPROACH %	0%	0%	0%	0%	0%	100%	9%	91%	0%	0%	100%	0%	
	APP/DEPART	0	/	1	1	/	0	11	/	10	11	/	12	0
	BEGIN PEAK HR	7:00 AM												
	VOLUMES	0	0	0	0	0	1	0	6	0	0	6	0	13
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%	
	PEAK HR FACTOR	0.000			0.250			0.500			0.500			0.813
	APP/DEPART	0	/	0	1	/	0	6	/	6	6	/	7	0
PM	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	1	0	2	0	0	0	0	3
	4:15 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
	4:45 PM	0	0	0	0	0	0	0	1	0	0	0	1	2
	5:00 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
	5:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
	VOLUMES	0	0	0	0	0	1	0	9	0	0	1	2	13
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	33%	67%	
	APP/DEPART	0	/	2	1	/	0	9	/	9	3	/	2	0
	BEGIN PEAK HR	4:00 PM												
	VOLUMES	0	0	0	0	0	1	0	5	0	0	0	2	8
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	100%	
	PEAK HR FACTOR	0.000			0.250			0.625			0.500			0.667
	APP/DEPART	0	/	2	1	/	0	5	/	5	2	/	1	0



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:
12/4/18
TUESDAY

LOCATION: Anaheim
NORTH & SOUTH: Claudina
EAST & WEST: La Palma

PROJECT #: SC2014
LOCATION #: 3
CONTROL: STOP N/S

CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:		AM			▲	
			PM			N	
			MD		◀ W	E ▶	
			OTHER			S	
			OTHER			▼	

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	Claudina			Claudina			La Palma			La Palma			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	2
8:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	2	0	0	0	0	0	0	2
8:45 AM	0	0	0	1	0	1	0	0	0	0	1	0	3
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	1	0	3	1	1	0	0	3	1	10
APPROACH %	0%	0%	0%	25%	0%	75%	50%	50%	0%	0%	75%	25%	
APP/DEPART	0	/	2	4	/	0	2	/	2	4	/	6	0
BEGIN PEAK HR				8:00 AM									
VOLUMES	0	0	0	1	0	3	1	0	0	0	2	1	8
APPROACH %	0%	0%	0%	25%	0%	75%	100%	0%	0%	0%	67%	33%	
PEAK HR FACTOR	0.000			0.500			0.250			0.375		0.667	
APP/DEPART	0	/	2	4	/	0	1	/	1	3	/	5	0
PM													
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	1	0	1	1	1	0	0	0	0	4
5:15 PM	0	0	0	0	0	1	0	0	0	0	0	1	2
5:30 PM	0	0	0	0	0	0	3	0	0	0	0	0	3
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	2
VOLUMES	0	0	0	1	0	4	4	2	0	0	0	3	14
APPROACH %	0%	0%	0%	20%	0%	80%	67%	33%	0%	0%	0%	100%	
APP/DEPART	0	/	7	5	/	0	6	/	3	3	/	4	0
BEGIN PEAK HR				5:00 PM									
VOLUMES	0	0	0	1	0	3	4	2	0	0	0	1	11
APPROACH %	0%	0%	0%	25%	0%	75%	67%	33%	0%	0%	0%	100%	
PEAK HR FACTOR	0.000			0.500			0.500			0.250		0.688	
APP/DEPART	0	/	5	4	/	0	6	/	3	1	/	3	0

Claudina

NORTH SIDE

La Palma WEST SIDE

EAST SIDE La Palma

SOUTH SIDE

Claudina

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

<u>DATE:</u>	
12/4/18	
<u>TUESDAY</u>	

LOCATION: Anaheim
 NORTH & SOUTH: Claudia
 EAST & WEST: La Palma

PROJECT #: SC2014
 LOCATION #: 3
 CONTROL: STOP N/S

CLASS 6:	NOTES:	AM	N	▲
BUSES		PM	◀ W	E ▶
		MD	S	▼
		OTHER	OTHER	

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	Claudina			Claudina			La Palma			La Palma			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	0	0	0	0	0	0	2	0	0	2	0	4
	7:15 AM	0	0	0	0	0	0	6	0	0	5	0	11
	7:30 AM	0	0	0	0	0	0	2	0	0	3	0	5
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	0	0	0	1	0	0	3	0	4
	8:15 AM	0	0	0	0	0	0	1	0	0	1	0	2
	8:30 AM	0	0	0	0	0	0	3	0	0	1	0	4
	8:45 AM	0	0	0	0	0	0	1	0	0	1	0	2
	9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
	9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	16	0	0	16	0	32
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
	APP/DEPART	0	/	0	0	/	0	16	/	16	16	/	16
PM	BEGIN PEAK HR	7:00 AM											
	VOLUMES	0	0	0	0	0	0	9	0	0	11	0	20
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
	PEAK HR FACTOR	0.000		0.000		0.375		0.375		0.550		0.455	
	APP/DEPART	0	/	0	0	/	0	9	/	9	11	/	11
	03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	4:00 PM	0	0	0	0	0	0	3	0	0	1	0	4
	4:15 PM	0	0	0	0	0	0	2	0	0	2	0	4
	4:30 PM	0	0	0	0	0	0	1	0	0	1	0	2
	4:45 PM	0	0	0	0	0	0	3	0	0	1	0	4
	5:00 PM	0	0	0	0	0	0	2	0	0	1	0	3
	5:15 PM	0	0	0	0	0	0	1	0	0	1	0	2
	5:30 PM	0	0	0	0	0	0	1	0	0	1	0	2
	5:45 PM	0	0	0	0	0	0	1	0	0	1	0	2
	VOLUMES	0	0	0	0	0	0	14	0	0	9	0	23
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
	APP/DEPART	0	/	0	0	/	0	14	/	14	9	/	9
U-TURNS	BEGIN PEAK HR	4:00 PM											
	VOLUMES	0	0	0	0	0	0	9	0	0	5	0	14
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
	PEAK HR FACTOR	0.000		0.000		0.750		0.750		0.625		0.875	
	APP/DEPART	0	/	0	0	/	0	9	/	9	5	/	5



Table B-1
Trip Generation Summary for Existing Old Dominion Rialto

Direction	Peak Hour	Classification	Tuesday					Wednesday					Thursday					Average		
Inbound	AM Peak Hour	Time	7:30 AM	7:45 AM	8:00 AM	8:15 AM	Subtotal	8:00 AM	8:15 AM	8:30 AM	8:45 AM	Subtotal	7:45 AM	8:00 AM	8:15 AM	8:30 AM	Subtotal	Trips	Truck Mix	
		Passanger Cars	9	11	5	9	34	6	10	8	10	34	16	4	8	5	33	34	-	
		2 Axle Trucks	2	4	2	4	12	4	4	3	1	12	0	0	2	0	2	9	47%	
		3 Axle Trucks	0	0	0	0	0	1	0	0	0	1	0	0	0	2	2	1	5%	
		4+ Axle Trucks	4	2	1	0	7	1	2	1	3	7	3	2	5	3	13	9	47%	
		Subtotal Trucks	6	6	3	4	19	6	6	4	4	20	3	2	7	5	17	19	100%	
	PM Peak Hour	Time	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	Trips	Truck Mix	
		Passanger Cars	5	8	12	18	43	5	11	8	16	40	5	8	11	7	31	38	-	
		2 Axle Trucks	2	0	0	1	3	1	1	1	1	4	1	0	0	1	2	3	10%	
		3 Axle Trucks	0	1	0	0	1	0	0	1	2	3	0	0	0	1	1	2	7%	
		4+ Axle Trucks	7	6	9	8	30	5	5	5	7	22	3	4	6	12	25	26	84%	
		Subtotal Trucks	9	7	9	9	34	6	6	7	10	29	4	4	6	14	28	31	100%	
Outbound	AM Peak Hour	Time	7:30 AM	7:45 AM	8:00 AM	8:15 AM	Subtotal	8:00 AM	8:15 AM	8:30 AM	8:45 AM	Subtotal	7:45 AM	8:00 AM	8:15 AM	8:30 AM	Subtotal	Trips	Truck Mix	
		Passanger Cars	3	1	4	5	13	3	7	4	5	19	0	4	3	4	11	14	-	
		2 Axle Trucks	1	2	6	2	11	6	4	2	2	14	0	1	4	0	5	10	24%	
		3 Axle Trucks	0	0	0	1	1	1	1	0	1	3	2	2	2	0	6	3	7%	
		4+ Axle Trucks	4	7	10	5	26	6	3	12	6	27	4	6	12	8	30	28	68%	
		Subtotal Trucks	5	9	16	8	38	13	8	14	9	44	6	9	18	8	41	41	100%	
	PM Peak Hour	Time	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	5:00 PM	5:15 PM	5:30 PM	5:45 PM	Subtotal	Trips	Truck Mix	
		Passanger Cars	15	10	3	2	30	15	4	3	7	29	19	7	11	3	40	33	-	
		2 Axle Trucks	1	2	2	0	5	0	2	3	4	9	1	1	2	0	4	6	46%	
		3 Axle Trucks	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0%	
		4 Axle Trucks	1	2	5	1	9	3	2	1	1	7	1	3	0	2	6	7	54%	
		Subtotal Trucks	2	4	7	2	15	3	4	4	5	16	2	4	2	2	10	13	100%	
Daily	Passanger Cars						999											1,128	1,050	-
	2 Axle Trucks						216											188	202	22%
	3 Axle Trucks						25											92	58	6%
	4+ Axle Trucks						694											665	661	72%
	Subtotal Trucks						935											945	921	100%

Notes:

(1) Existing driveway counts conducted on June 18-20, 2019.

Table B-2
Trip Generation Summary for Existing Old Dominion Anaheim

Direction	Peak Hour	Classification	West Dwy	East Dwy	Total	Truck Mix
Inbound	AM	Passenger Cars	0	6	6	-
		2 Axle Trucks	0	0	0	0%
		3 Axle Trucks	0	1	1	33%
		4+ Axle Trucks	0	2	2	67%
		Subtotal Trucks	0	3	3	100%
	PM	Passenger Cars	0	2	2	-
		2 Axle Trucks	0	0	0	0%
		3 Axle Trucks	0	1	1	17%
		4+ Axle Trucks	0	5	5	83%
		Subtotal Trucks	0	6	6	100%
Outbound	AM	Passenger Cars	1	0	1	-
		2 Axle Trucks	0	0	0	0%
		3 Axle Trucks	0	1	1	33%
		4+ Axle Trucks	0	2	2	67%
		Subtotal Trucks	0	3	3	100%
	PM	Passenger Cars	1	3	4	-
		2 Axle Trucks	0	0	0	0%
		3 Axle Trucks	0	0	0	0%
		4 Axle Trucks	0	3	3	100%
		Subtotal Trucks	0	3	3	100%

Table B-3
Average Truck Mix

Direction	Peak Hour	Classification	Truck Mix		
			Rialto	Anaheim	Average
Inbound	AM	Passanger Cars	-	-	-
		2 Axle Trucks	47%	0%	24%
		3 Axle Trucks	5%	33%	19%
		4+ Axle Trucks	47%	67%	57%
		Subtotal Trucks	100%	100%	100%
	PM	Passanger Cars	-	-	-
		2 Axle Trucks	10%	0%	5%
		3 Axle Trucks	7%	17%	12%
		4+ Axle Trucks	84%	83%	83%
		Subtotal Trucks	100%	100%	100%
Outbound	AM	Passanger Cars	-	-	-
		2 Axle Trucks	24%	0%	12%
		3 Axle Trucks	7%	33%	20%
		4+ Axle Trucks	68%	67%	68%
		Subtotal Trucks	100%	100%	100%
	PM	Passanger Cars	-	-	-
		2 Axle Trucks	46%	0%	23%
		3 Axle Trucks	0%	0%	0%
		4 Axle Trucks	54%	100%	77%
		Subtotal Trucks	100%	100%	100%
Daily	Passanger Cars	-	-	-	-
	2 Axle Trucks	22%	n/a ¹	22%	
	3 Axle Trucks	6%	n/a	6%	
	4+ Axle Trucks	72%	n/a	72%	
	Subtotal Trucks	100%	n/a	100%	

Notes:

(1) Survey only included AM and PM peak periods; daily trips counts are not available.