

April 15, 2021

Ms. Tina Andersen
T&B Planning, Inc.
3200 El Camino Real, Suite 100
Irvine, CA 92602

**SUBJECT: BRIDGE POINT RANCHO CUCAMONGA HIGH-CUBE FULFILLMENT CENTER
TRAFFIC MEMO**

Dear Ms. Tina Andersen:

This Traffic Memo has been prepared to document the traffic-related information for the proposed Bridge Point Rancho Cucamonga High-Cube Fulfillment Center (**Project**) located north of 4th Street, south of 6th Street, and west of Etiwanda Avenue in the City of Rancho Cucamonga that is needed to support the technical analysis for the Bridge Point Rancho Cucamonga Environmental Impact Report (**EIR**). This traffic memo provides a summary of the trip generation and trip distributions applicable to the High-Cube Fulfillment Center Non-Sort and Sort based analyses. Information on the trip generation from use of the existing buildings is also provided as the technical analysis considers the net-change in trip generation, as appropriate.

EXISTING USE

TRIP GENERATION

Trip generation represents the amount of traffic that is attracted and produced by a development and is based upon the specific land uses planned for a given project. Trip generation represents the amount of traffic that is attracted and produced by a development and is based upon the specific land uses planned for a given project.

The project site is currently developed with a 1,431,000 square foot High-Cube and Short-Term Storage Warehouse (Without Cold Storage) and a 23,240 square foot Free-Standing Discount Store. In order to develop the traffic characteristics of the proposed project, the trip generation rates used for this analysis are based upon information collected by the ITE as provided in their Trip Generation Manual, 10th Edition, 2017. Trip generation rates for the existing uses are shown in Table 1.

TABLE 1: ITE TRIP GENERATION RATES (EXISTING USE)

Land Use ¹	ITE LU		AM Peak Hour			PM Peak Hour			Daily
	Units ²	Code	In	Out	Total	In	Out	Total	
Actual Vehicles:									
High-Cube Transload and Short-Term Storage Warehouse ³	TSF	154	0.062	0.018	0.080	0.028	0.072	0.100	1.400
Passenger Cars:			0.049	0.015	0.064	0.024	0.060	0.084	1.176
Trucks:			0.012	0.004	0.016	0.004	0.012	0.016	0.224
Free-Standing Discount Store	TSF	815	0.807	0.363	1.170	2.415	2.415	4.830	53.120
Passenger Car Equivalent (PCE):⁴									
High-Cube Transload and Short-Term Storage Warehouse ³	TSF	154	0.062	0.018	0.080	0.028	0.072	0.100	1.400
Passenger Cars:			0.049	0.015	0.064	0.024	0.060	0.084	1.176
Trucks:			0.031	0.009	0.041	0.011	0.029	0.041	0.570

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition (2017) & 10th Edition Supplement (2020).

² TSF = thousand square feet

³ Vehicle Mix Source: ITE Trip Generation Handbook Supplement (2020), Appendix C.

Truck Mix: South Coast Air Quality Management District's (SCAQMD) recommended truck mix, by axle type.

Normalized % - Without Cold Storage: 16.7% 2-Axle trucks, 20.7% 3-Axle trucks, 62.6% 4-Axle trucks.

⁴ PCE factors per SBCTA CMP: 2-axle = 1.5; 3-axle = 2.0; 4+-axle = 3.0.

The total truck percentage is comprised of 3 different truck types: 2-axle, 3-axle, and 4+-axle trucks. Passenger car equivalent (PCE) factors were applied to the trip generation rates for heavy trucks (large 2-axles, 3-axles, 4+-axles). PCEs allow the typical “real-world” mix of vehicle types to be represented as a single, standardized unit, such as the passenger car, to be used for the purposes of capacity and level of service analyses. The PCE factors are consistent with the recommended PCE factors in Appendix B of the San Bernardino County Congestion Management Program (CMP) (2016 Update).

The trip generation summary illustrating daily, and peak hour trip generation estimates for the existing uses in actual vehicles and PCE are shown in Table 2. As shown in Table 2, the existing uses currently generate 3,032 actual trip-ends per day, 142 actual AM peak hour trips and 235 actual PM peak hour trips.

TABLE 2: EXISTING TRIP GENERATION SUMMARY

Land Use	Quantity Units ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Existing Trip Generation Summary (Actual Vehicles):								
High-Cube Transload and Short-Term Storage Warehouse (Without Cold Storage)	1,431.000 TSF							
Passenger Cars:		71	21	92	34	87	121	1,684
2-axle Trucks:		3	1	4	1	3	4	54
3-axle Trucks:		4	1	5	1	3	4	66
4+-axle Trucks:		11	3	14	4	10	14	202
Total Trucks:		18	5	23	6	16	22	322
Warehousing Total Trips (Actual)²		89	26	115	40	103	143	2,006
Free-Standing Discount Store	23.240 TSF	19	8	27	56	56	112	1,236
Pass-by Reduction (PM/Daily = 17%): ³		0	0	0	-10	-10	-20	-210
Free-Standing Discount Store Total Trips (Actual)²		19	8	27	46	46	92	1,026
Total: Passenger Cars		90	29	119	80	133	213	2,710
Total: Trucks (Actual Vehicles)		18	5	23	6	16	22	322
Total (Actual Vehicles)²		108	34	142	86	149	235	3,032
Existing Trip Generation Summary (PCE):								
High-Cube Transload and Short-Term Storage Warehouse (Without Cold Storage)	1,431.000 TSF							
Passenger Cars:		71	21	92	34	87	121	1,684
2-axle Trucks:		4	1	5	2	4	6	80
3-axle Trucks:		7	2	9	3	7	10	134
4+-axle Trucks:		33	10	43	12	31	43	602
Total Trucks:		44	13	57	17	42	59	816
Warehousing Total Trips (PCE)²		115	34	149	51	129	180	2,500
Free-Standing Discount Store	23.240 TSF	19	8	27	56	56	112	1,236
Pass-by Reduction (PM/Daily = 17%): ³		0	0	0	-10	-10	-20	-210
Free-Standing Discount Store Total Trips (Actual)²		19	8	27	46	46	92	1,026
Total: Passenger Cars		90	29	119	80	133	213	2,710
Total: Trucks (PCE)		44	13	57	17	42	59	816
Total (PCE)²		134	42	176	97	175	272	3,526

¹ TSF = thousand square feet

² Total Trips = Passenger Cars + Truck Trips.

³ Source: ITE Trip Generation Handbook, 3rd Edition, 2017.

HIGH-CUBE FULFILLMENT CENTER (NON-SORT) FACILITY

TRIP GENERATION

In order to develop the traffic characteristics of the proposed project, the trip generation rates used for this analysis are based upon information collected by the ITE as provided in their Trip Generation Manual, 10th Edition, 2017. Trip generation rates for the proposed Project are shown in Table 3. The trip generation summary illustrating daily, and peak hour trip generation estimates for the proposed Project in actual vehicles and PCE are shown in Table 4. The trip generation has been calculated assuming 90% High-Cube Fulfillment Center (Non-Sort) Warehouse (1,957,500 square feet) and 10% High-Cube Cold Storage Warehouse uses (217,500 square feet).

TABLE 3: ITE TRIP GENERATION RATES (NON-SORT FACILITY)

Land Use ¹	ITE LU		AM Peak Hour			PM Peak Hour			Daily
	Units ²	Code	In	Out	Total	In	Out	Total	
Actual Vehicles:									
High-Cube Fulfillment Center (Non-Sort) ³	TSF	155	0.122	0.029	0.150	0.062	0.098	0.160	1.810
Passenger Cars:			0.111	0.026	0.137	0.058	0.091	0.149	1.620
Trucks:			0.011	0.003	0.014	0.004	0.007	0.011	0.190
High-Cube Cold Storage Warehouse ³	TSF	157	0.085	0.025	0.110	0.032	0.088	0.120	2.120
Passenger Cars:			0.062	0.018	0.080	0.025	0.067	0.092	1.378
Trucks:			0.023	0.007	0.030	0.007	0.020	0.028	0.742
Passenger Car Equivalent (PCE):⁴									
High-Cube Fulfillment Center (Non-Sort) ³	TSF	155	0.122	0.029	0.150	0.062	0.098	0.160	1.810
Passenger Cars:			0.111	0.026	0.137	0.058	0.091	0.149	1.620
Trucks:			0.028	0.007	0.034	0.011	0.017	0.028	0.483
High-Cube Cold Storage Warehouse ³	TSF	157	0.085	0.025	0.110	0.032	0.088	0.120	2.120
Passenger Cars:			0.062	0.018	0.080	0.025	0.067	0.092	1.378
Trucks:			0.054	0.016	0.070	0.018	0.048	0.065	1.758

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition (2017) & 10th Edition Supplement (2020).

² TSF = thousand square feet

³ Vehicle Mix Source: ITE Trip Generation Handbook Supplement (2020), Appendix C.

Truck Mix: South Coast Air Quality Management District's (SCAQMD) recommended truck mix, by axle type.

Normalized % - Without Cold Storage: 16.7% 2-Axle trucks, 20.7% 3-Axle trucks, 62.6% 4-Axle trucks.

Normalized % - With Cold Storage: 34.7% 2-Axle trucks, 11.0% 3-Axle trucks, 54.3% 4-Axle trucks.

⁴ PCE factors per SBCTA CMP: 2-axle = 1.5; 3-axle = 2.0; 4+-axle = 3.0.

As shown in Table 4, the proposed Project is anticipated to generate a total of 4,008 actual vehicle trip-ends per day, with 318 AM peak hour trips and 339 PM peak hour trips. As show in Table 2, the proposed

Project is anticipated to generate 536 actual truck trip-ends per day, with 34 AM peak hour actual truck trips and 27 PM peak hour actual truck trips.

TABLE 4: TRIP GENERATION SUMMARY (NON-SORT FACILITY)

Land Use	Quantity Units ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Project Trip Generation Summary (Actual Vehicles):								
High-Cube Fulfillment (Non-Sort) (90%)	1,957.500 TSF							
Passenger Cars:		216	51	267	114	178	292	3,172
2-axle Trucks:		4	1	5	1	2	3	62
3-axle Trucks:		4	1	5	2	3	5	78
4+-axle Trucks:		13	3	16	5	8	13	234
Total Trucks:		21	5	26	8	13	21	374
Fulfillment Center Total Trips (Actual Vehicles)²		237	56	293	122	191	313	3,546
High-Cube Cold Storage (10%)	217.500 TSF							
Passenger Cars:		13	4	17	5	15	20	300
2-axle Trucks:		2	1	3	1	2	3	56
3-axle Trucks:		1	0	1	0	0	0	18
4+-axle Trucks:		3	1	4	1	2	3	88
Total Trucks:		6	2	8	2	4	6	162
Cold Storage Total Trips (Actual Vehicles)²		19	6	25	7	19	26	462
Total Project: Passenger Cars		229	55	284	119	193	312	3,472
Total Project: Trucks (Actual Vehicles)		27	7	34	10	17	27	536
Total Project (Actual Vehicles)²		256	62	318	129	210	339	4,008
Project Trip Generation Summary (PCE)								
High-Cube Fulfillment (Non-Sort) (90%)	1,957.500 TSF							
Passenger Cars:		216	51	267	114	178	292	3,172
2-axle Trucks:		5	1	6	2	3	5	94
3-axle Trucks:		9	2	11	4	6	10	154
4+-axle Trucks:		40	9	49	16	25	41	700
Total Trucks:		54	12	66	22	34	56	948
Fulfillment Center Total Trips (PCE)²		270	63	333	136	212	348	4,120
High-Cube Cold Storage (10%)	217.500 TSF							
Passenger Cars:		13	4	17	5	15	20	300
2-axle Trucks:		3	1	4	1	2	3	84
3-axle Trucks:		1	0	1	0	1	1	36
4+-axle Trucks:		8	2	10	3	7	10	264
Total Trucks:		12	3	15	4	10	14	384
Cold Storage Total Trips (PCE)²		25	7	32	9	25	34	684
Total Project: Passenger Cars		229	55	284	119	193	312	3,472
Total Project: Trucks (PCE)		66	15	81	26	44	70	1,332
Total Project (PCE)²		295	70	365	145	237	382	4,804

¹ TSF = thousand square feet

² TOTAL TRIPS = Passenger Cars + Truck Trips.

As shown in Table 5, based on the net difference in trips, the High-Cube Fulfillment Center (Non-Sort) Warehouse is anticipated to contribute an increase of 976 daily trips, with an increase of 176 AM peak hour trips and an increase of 104 PM peak hour trips. As shown in Table 5, based on the net difference in trips, the proposed Project is anticipated to contribute an increase in 1,278 PCE daily trips, with an increase of 189 AM PCE peak hour trips and an increase in 110 PM PCE peak hour trips.

TABLE 5: TRIP GENERATION COMPARISON – EXISTING VS. HIGH-CUBE FULFILLMENT CENTER (NON-SORT)

Trip Generation Comparison	AM Peak Hour			PM Peak Hour			Daily
	In	Out	Total	In	Out	Total	
Actual Vehicles:							
Existing Trip Generation ¹	108	34	142	86	149	235	3,032
Non-Sort Use ²	256	62	318	129	210	339	4,008
Variance	148	28	176	43	61	104	976
PCE:							
Existing Trip Generation (PCE) ¹	134	42	176	97	175	272	3,526
Non-Sort Use (PCE) ²	295	70	365	145	237	382	4,804
Variance	161	28	189	48	62	110	1,278

¹ Trip generation for the uses that currently exist

² Non-sort trip generation.

TRIP DISTRIBUTION & ASSIGNMENT

Trip distribution is the process of identifying the probable destinations, directions, or traffic routes that will be utilized by project traffic. The potential interaction between the planned land uses and surrounding regional access routes are considered, to identify the route where the project traffic would distribute. Exhibits 1 and 2 show the Non-Sort Use passenger car outbound and inbound trip distribution patterns, respectively. Exhibit 3 provides the truck trip distribution patterns.

HIGH-CUBE FULFILLMENT CENTER (SORT) FACILITY

TRIP GENERATION

Trip generation represents the amount of traffic that is attracted and produced by a development and is based upon the specific land uses planned for a given project. The trip generation has been calculated assuming 90% High-Cube Fulfillment Center (Sort) Warehouse (1,957,500 square feet) and 10% High-Cube Cold Storage Warehouse uses (217,500 square feet). The trip generation rates for the Sort Use are shown on Table 6.

TABLE 6: ITE TRIP GENERATION RATES (SORT FACILITY)

Land Use ¹	ITE LU		AM Peak Hour			PM Peak Hour			Daily
	Units ²	Code	In	Out	Total	In	Out	Total	
Actual Vehicles:									
High-Cube Fulfillment Center (Sort) ³	TSF	155	0.705	0.165	0.870	0.468	0.732	1.200	6.440
Passenger Cars:			0.691	0.162	0.853	0.459	0.717	1.176	6.247
Trucks:			0.014	0.003	0.017	0.009	0.015	0.024	0.193
Passenger Car Equivalent (PCE):⁴									
High-Cube Fulfillment Center (Sort) ³	TSF	155	0.705	0.165	0.870	0.468	0.732	1.200	6.440
Passenger Cars:			0.691	0.162	0.853	0.459	0.717	1.176	6.247
Trucks:			0.037	0.009	0.046	0.025	0.039	0.064	0.511

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition (2017) & 10th Edition Supplement (2020).

² TSF = thousand square feet

³ Vehicle Mix Source: ITE Trip Generation Handbook Supplement (2020), Appendix C.

Truck Mix: South Coast Air Quality Management District's (SCAQMD) recommended truck mix, by axle type.

Normalized % - Without Cold Storage: 16.7% 2-Axle trucks, 20.7% 3-Axle trucks, 62.6% 4-Axle trucks.

⁴ PCE factors per SBCTA CMP: 2-axle = 1.5; 3-axle = 2.0; 4+axle = 3.0.

Table 7 summarizes the Sort Use trip generation based on the trip generation rates presented previously on Table 6. As shown, the Sort Use is anticipated to generate 13,070 two-way trips per day with 1,728 AM peak hour trips and 2,375 PM peak hour trips (actual vehicles). As show in Table 7, the proposed Project is anticipated to generate 542 actual truck trip-ends per day, with 42 AM peak hour actual truck trips and 53 PM peak hour actual truck trips.

TABLE 7: TRIP GENERATION SUMMARY (SORT FACILITY)

Land Use	Quantity Units ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Trip Generation Summary (Actual Vehicles):								
High-Cube Fulfillment (Sort) (90%)	1,957.500 TSF							
Passenger Cars:		1,352	317	1,669	898	1,404	2,302	12,228
2-axle Trucks:		5	1	6	3	5	8	64
3-axle Trucks:		6	1	7	4	6	10	78
4+-axle Trucks:		17	4	21	11	18	29	238
Total Trucks:		28	6	34	18	29	47	380
Fulfillment Center Total Trips (Actual Vehicles)²		1,380	323	1,703	916	1,433	2,349	12,608
High-Cube Cold Storage (10%)	217.500 TSF							
Passenger Cars:		13	4	17	5	15	20	300
2-axle Trucks:		2	1	3	1	2	3	56
3-axle Trucks:		1	0	1	0	0	0	18
4+-axle Trucks:		3	1	4	1	2	3	88
Total Trucks:		6	2	8	2	4	6	162
Cold Storage Total Trips (Actual Vehicles)²		19	6	25	7	19	26	462
Total Sort Use: Passenger Cars		1,365	321	1,686	903	1,419	2,322	12,528
Total Sort Use: Trucks (Actual Vehicles)		34	8	42	20	33	53	542
Total Sort Use (Actual Vehicles)²		1,399	329	1,728	923	1,452	2,375	13,070
Trip Generation Summary (PCE):								
High-Cube Fulfillment (Sort) (90%)	1,957.500 TSF							
Passenger Cars:		1,352	317	1,669	898	1,404	2,302	12,228
2-axle Trucks:		7	2	9	5	7	12	96
3-axle Trucks:		14	3	17	9	15	24	196
4+-axle Trucks:		52	12	64	34	54	88	710
Total Trucks:		73	17	90	48	76	124	1,002
Fulfillment Center Total Trips (PCE)²		1,425	334	1,759	946	1,480	2,426	13,230
High-Cube Cold Storage (10%)	217.500 TSF							
Passenger Cars:		13	4	17	5	15	20	300
2-axle Trucks:		3	1	4	1	2	3	84
3-axle Trucks:		1	0	1	0	1	1	36
4+-axle Trucks:		8	2	10	3	7	10	264
Total Trucks:		12	3	15	4	10	14	384
Cold Storage Total Trips (PCE)²		25	7	32	9	25	34	684
Total Sort Use: Passenger Cars		1,365	321	1,686	903	1,419	2,322	12,528
Total Sort Use: Trucks (PCE)		85	20	105	52	86	138	1,386
Total Sort Use (PCE)²		1,450	341	1,791	955	1,505	2,460	13,914

¹ TSF = thousand square feet

² TOTAL TRIPS = Passenger Cars + Truck Trips.

As shown in Table 8, based on the net difference in trips, the High-Cube Fulfillment Center (Sort) Warehouse is anticipated to contribute an increase of 10,038 daily trips, with an increase of 1,586 AM peak hour trips and an increase of 2,140 PM peak hour trips. As shown in Table 8, based on the net difference in trips, the proposed Project is anticipated to contribute an increase in 10,388 PCE daily trips, with an increase of 1,615 AM PCE peak hour trips and an increase in 2,188 PM PCE peak hour trips.

TABLE 8: TRIP GENERATION COMPARISON – EXISTING VS. HIGH-CUBE FULFILLMENT CENTER (SORT)

Trip Generation Comparison	AM Peak Hour			PM Peak Hour			Daily
	In	Out	Total	In	Out	Total	
Actual Vehicles:							
Existing Trip Generation ¹	108	34	142	86	149	235	3,032
Sort Use ²	1,399	329	1,728	923	1,452	2,375	13,070
Variance	1,291	295	1,586	837	1,303	2,140	10,038
PCE:							
Existing Trip Generation (PCE) ¹	134	42	176	97	175	272	3,526
Sort Use (PCE) ²	1,450	341	1,791	955	1,505	2,460	13,914
Variance	1,316	299	1,615	858	1,330	2,188	10,388

¹ Trip generation for the uses that currently exist

² Sort Use trip generation.

TRIP DISTRIBUTION & ASSIGNMENT

Exhibits 4 and 5 show the Sort Use passenger car trip distribution patterns for Opening Year Cumulative and 2040 traffic conditions, respectively. These distributions have been reviewed and approved by City staff. Exhibit 6 provides a detailed distribution patterns for Sort Use passenger cars at the site access points. The truck trip distribution patterns are consistent with those identified on Exhibit 3.

ANALYSIS SCENARIOS

Traffic analysis will be evaluated for the following analysis scenarios:

- Existing (2020) Conditions
- Opening Year Cumulative (2022) Without Project (Without and With the 6th Street Extension)
- Opening Year Cumulative (2022) With Project (Without and With the 6th Street Extension)
- Horizon Year (2040) Without Project (With 6th Street Extension Only)
- Horizon Year (2040) With Project (Project Buildout Only) (With 6th Street Extension Only)

Traffic counts were conducted on March 11, 2020 prior to uses/schools shutting down as a result of the currently ongoing COVID-19 pandemic. As such, no adjustments will be made to the traffic counts for the purposes of establishing the baseline condition. The application of a 2% per year growth factor be applied to this count data provided by City staff for the purposes of establishing the baseline (2020) conditions.

The traffic counts collected in March 2020 include the vehicle classifications as shown below (see Attachment A for traffic count data):

- Passenger Cars
- 2-Axle Trucks
- 3-Axle Trucks
- 4 or More Axle Trucks

A comparison of the PM peak hour and daily traffic volumes of various roadway segments within the study area indicated that the peak-to-daily relationship is approximately 10.14 percent. As such, the above equation utilizing a factor of 10.14 estimates the ADT volumes on the study area roadway segments assuming a peak-to-daily relationship of approximately 10.14 percent (i.e., $1/0.1014 = 9.87$) and was assumed to sufficiently estimate average daily traffic (ADT) volumes for planning-level analyses.

BACKGROUND TRAFFIC

Future year traffic forecasts have been based upon two years of background (ambient) growth at 2.0% per year, compounded annually, for a total of 4.04% for 2022 traffic conditions. This ambient growth factor is added to existing traffic volumes to account for area-wide growth not reflected by cumulative development projects.

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CUMULATIVE DEVELOPMENT TRAFFIC

A cumulative project list was developed for the purposes of this analysis through consultation with planning and engineering staff from the City of Rancho Cucamonga, City of Ontario, City of Fontana, and County of San Bernardino. The cumulative project list includes known and foreseeable projects that are anticipated to contribute traffic to the study area intersections.

Where applicable, cumulative projects anticipated to contribute measurable traffic (i.e. 50 or more peak hour trips) to study area intersections have been manually added to the study area network to generate Opening Year Cumulative (2022) forecasts. In other words, this list of cumulative development projects has been reviewed to determine which projects would likely contribute measurable traffic through the study area intersections (e.g., those cumulative projects in close proximity to the proposed Project). For the purposes of this analysis, the cumulative projects are shown on Exhibit 7, listed in Table 9, and have been considered for inclusion.

If you have any questions or comments, I can be reached at (949) 861-0177.

URBAN CROSSROADS, INC.



Charlene So, PE
Associate Principal

Attachments

TABLE 9: CUMULATIVE DEVELOPMENT LAND USE SUMMARY

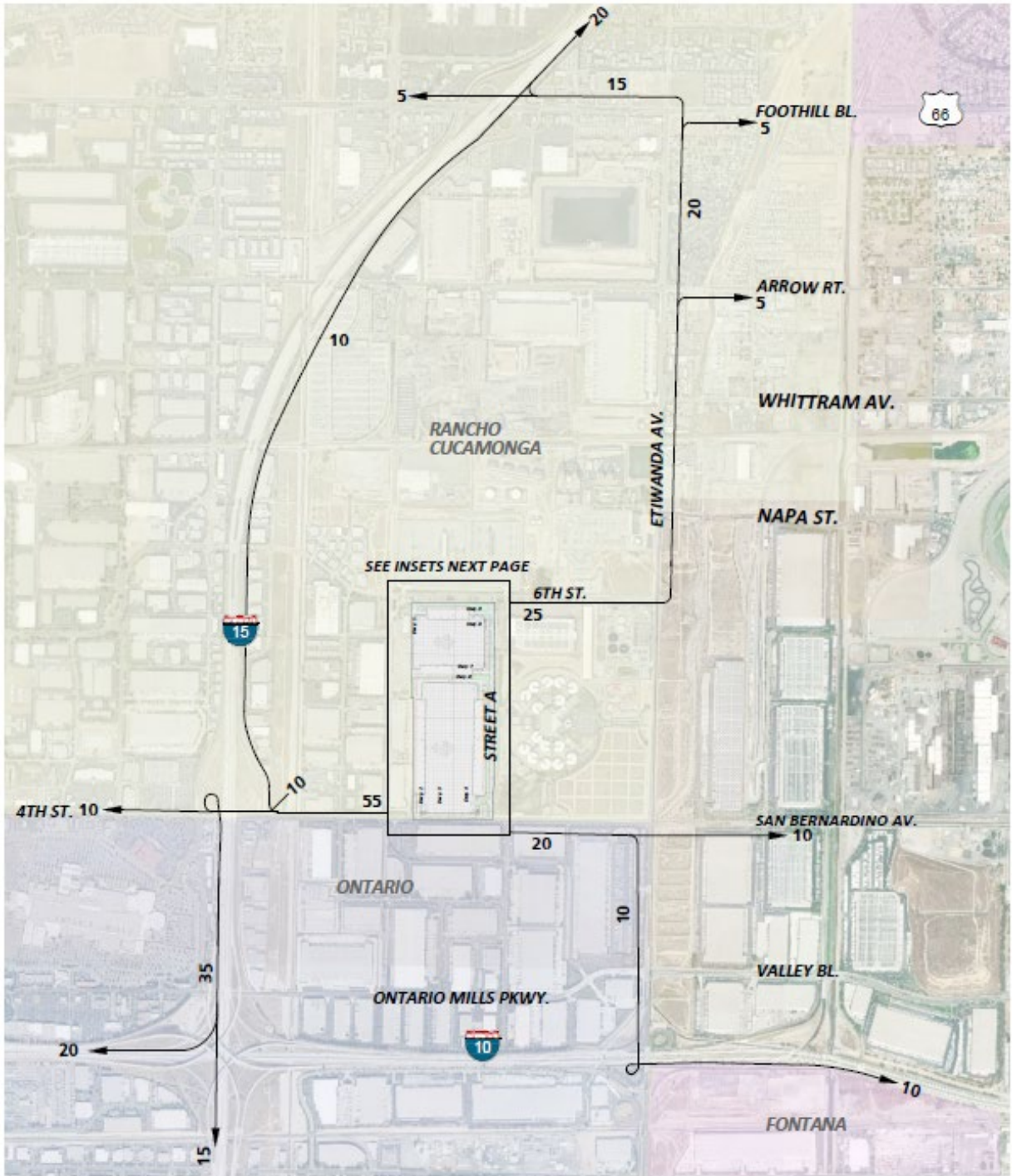
TAZ	Name	Land Use	Quantity	Units ¹
City of Rancho Cucamonga:				
RC1	Tempo at the Resort ³	Residential	80	DU
RC2	Empire Lakes Specific Plan	Residential Non-Residential	2,650 - 3,450	DU 220.000 TSF
RC3	Homecoming at the Resort ³	Multifamily (Mid-Rise)	867	DU
RC4	Haven and Arrow	Commercial	200.175	TSF
RC5	8281 Utica Office	General Office	12.000	TSF
RC6	Watt Communities	Residential Commercial	302 8.650	DU TSF
RC7	Cityscape	Residential	160	DU
RC8	Westburry	Residential	133	DU
RC9	Hickory and Arrow Industrial	Industrial	34.161	TSF
RC10	Two industrial warehouse buildings	Industrial	651.000	TSF
RC11	Milliken and Jersey Industrial	Industrial	143.014	TSF
RC12	Foothill and Mayten Industrial	Industrial	171.322	TSF
City of Ontario:				
O1	PCUP13-034	Hotel	122	RMS
City of Fontana:				
F1	Southwest Industrial Park (SWIP), Speedway Industrial ²	Commercial Retail Industrial Existing Development to Remain	762.191 1778.446 31.508	TSF TSF TSF
F2	PDEV13-007	General Industrial	618.536	TSF
County of San Bernardino:				
SB1	P201800248	Storage Facility	2.54	AC
SB2	P201800216	Storage Yard General Office Commercial Retail	1.50-3.50	AC
SB3	P201700333	General Light Industrial & Truck Storage	1.50	AC
SB4	P201800608	Truck Terminal	4.01	AC
SB5	P201700395	Gas Station	1.12	AC
SB6	P201800098	General Office	5.000	TSF
SB7	P201700725	Warehouse & General Office	10.080	TSF
SB8	Kaiser Commerce Center	Warehousing	165.324	TSF

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² Source: Southwest Industrial Park (SWIP) Project TIA, RBF Consulting, September 29, 2011.

³ Project included in the Empire Lakes Specific Plan.

EXHIBIT 1: NON-SORT USE (OUTBOUND PASSENGER CAR) TRIP DISTRIBUTION

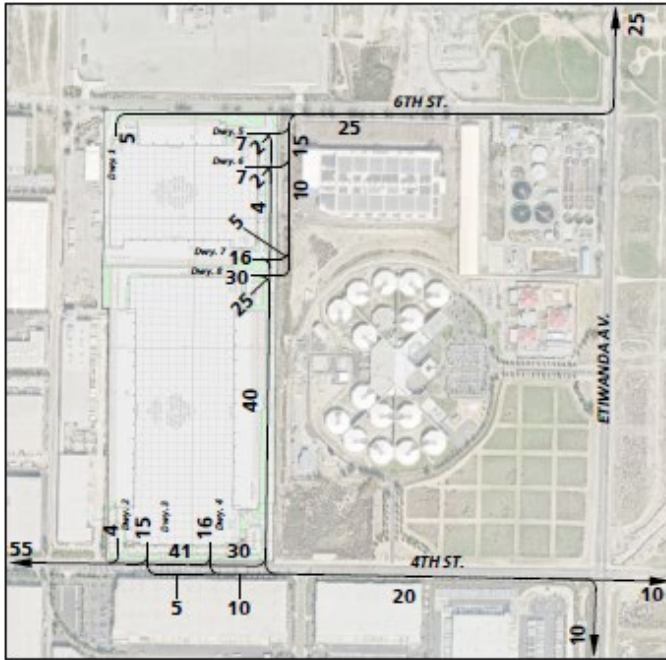


LEGEND:

10 = PERCENT FROM PROJECT



Without 6th St. Connection



With 6th St. Connection

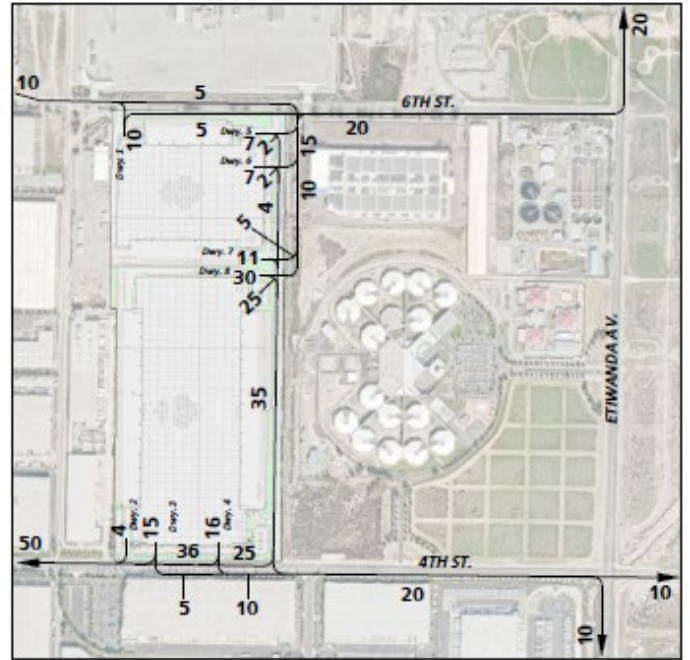


EXHIBIT 2: NON-SORT USE (INBOUND PASSENGER CAR) TRIP DISTRIBUTION

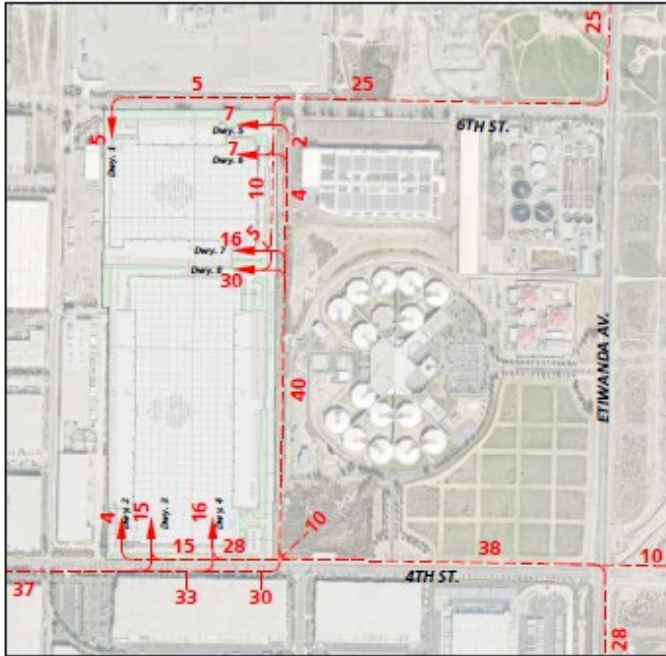


LEGEND:

10 = PERCENT TO PROJECT



Without 6th St. Connection



With 6th St. Connection

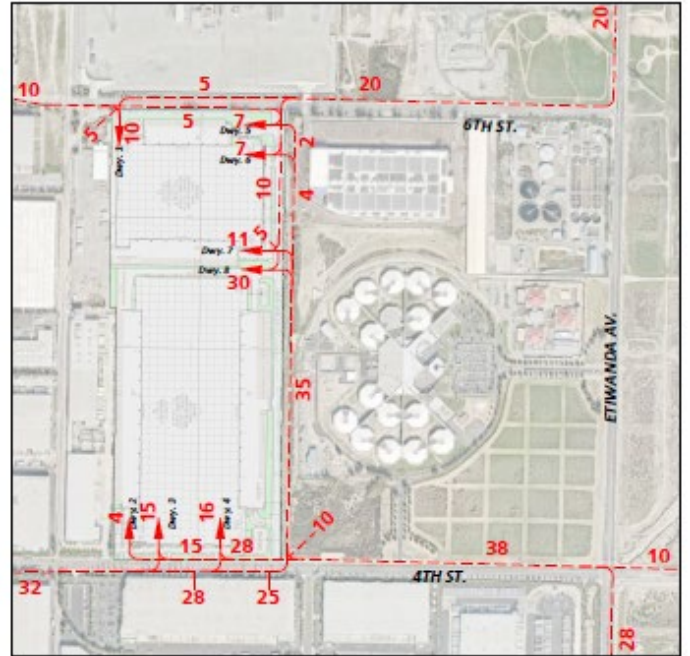
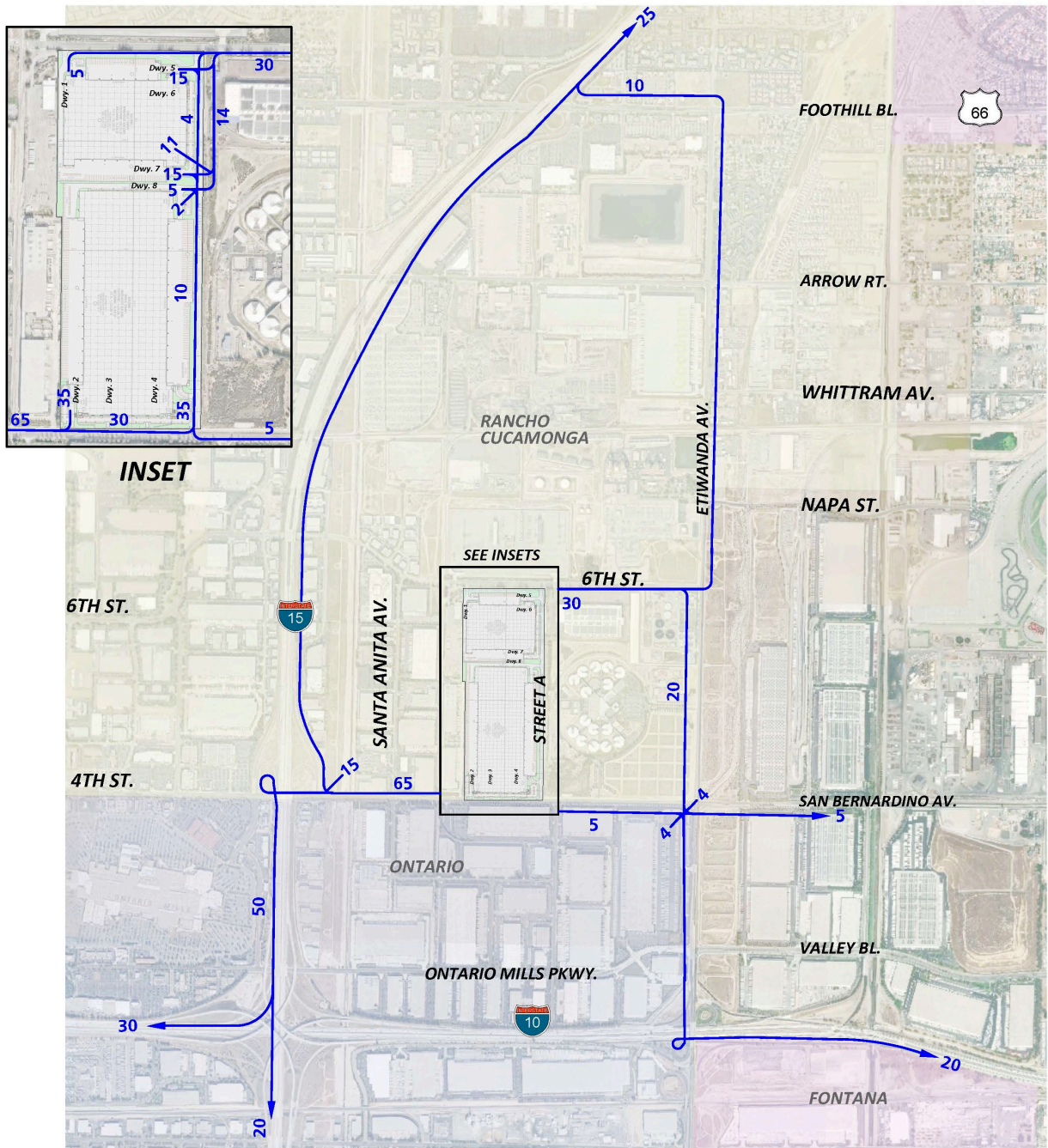


EXHIBIT 3A: NON-SORT/SORT USE (TRUCK) OUTBOUND TRIP DISTRIBUTION

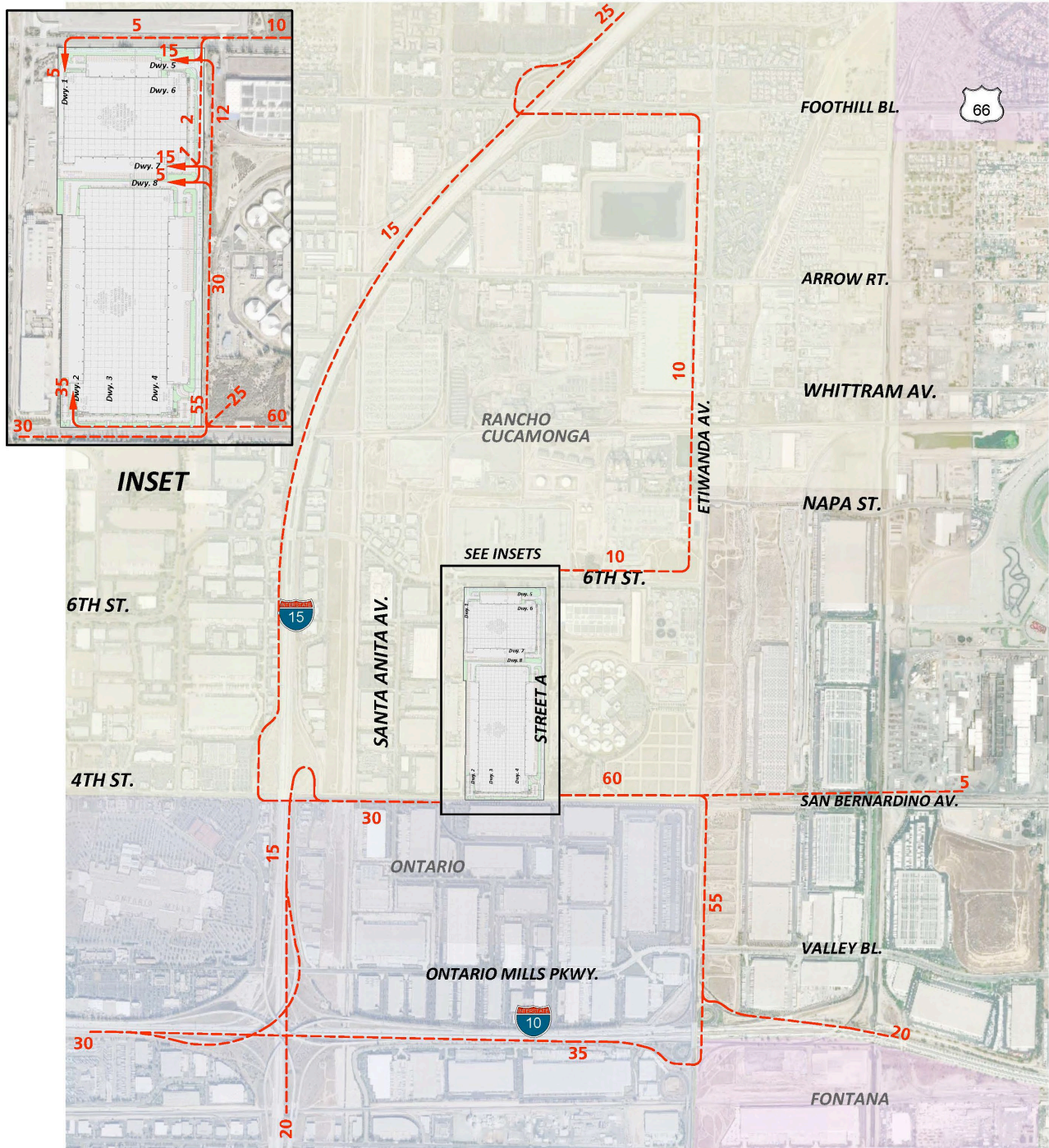


LEGEND:

10 = PERCENT FROM PROJECT SITE



EXHIBIT 3B: NON-SORT/SORT USE (TRUCK) INBOUND TRIP DISTRIBUTION

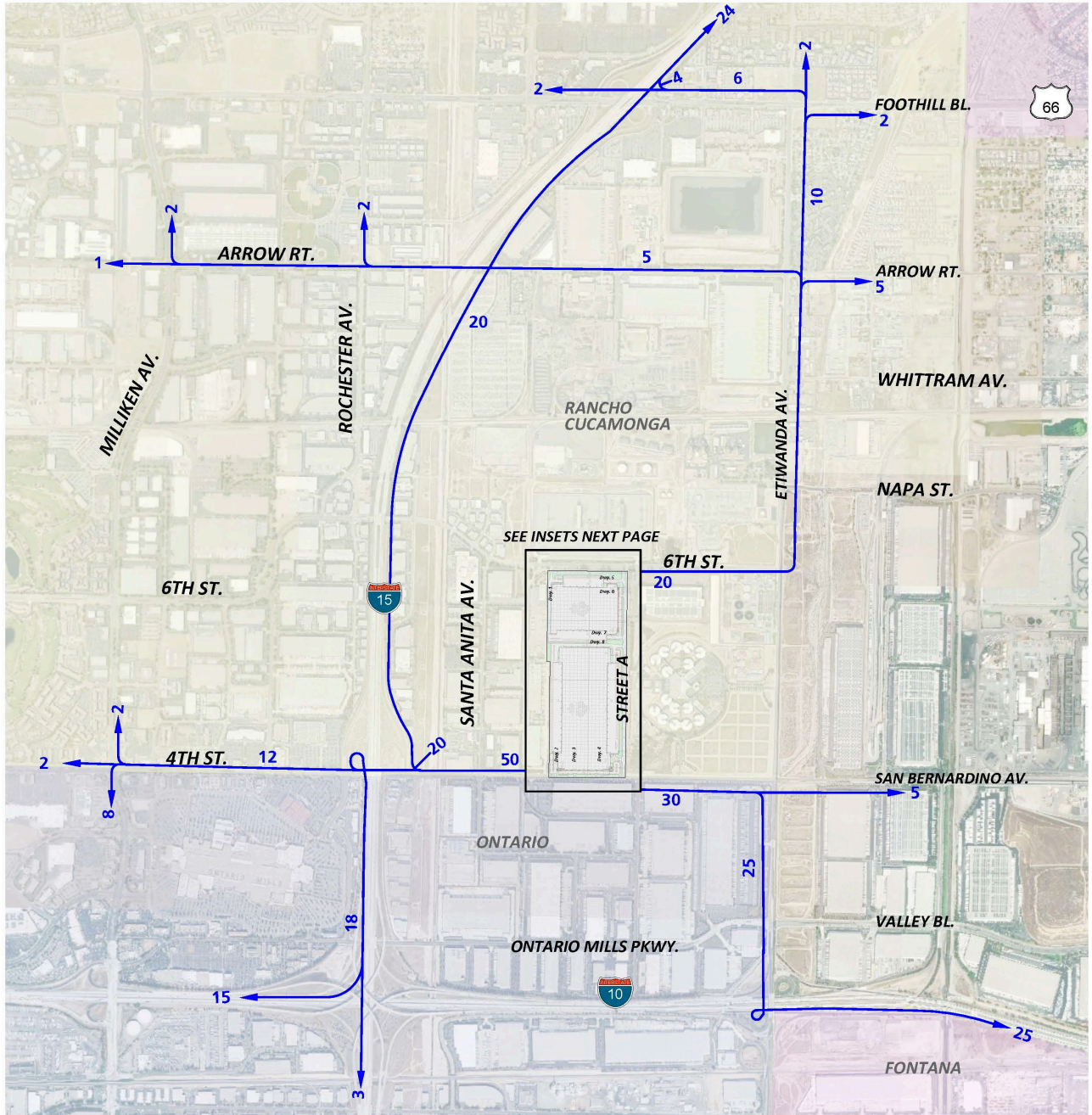


LEGEND:

10 = PERCENT TO PROJECT SITE



EXHIBIT 4: SORT USE (PASSENGER CAR) TRIP DISTRIBUTION WITHOUT 6TH STREET EXTENSION

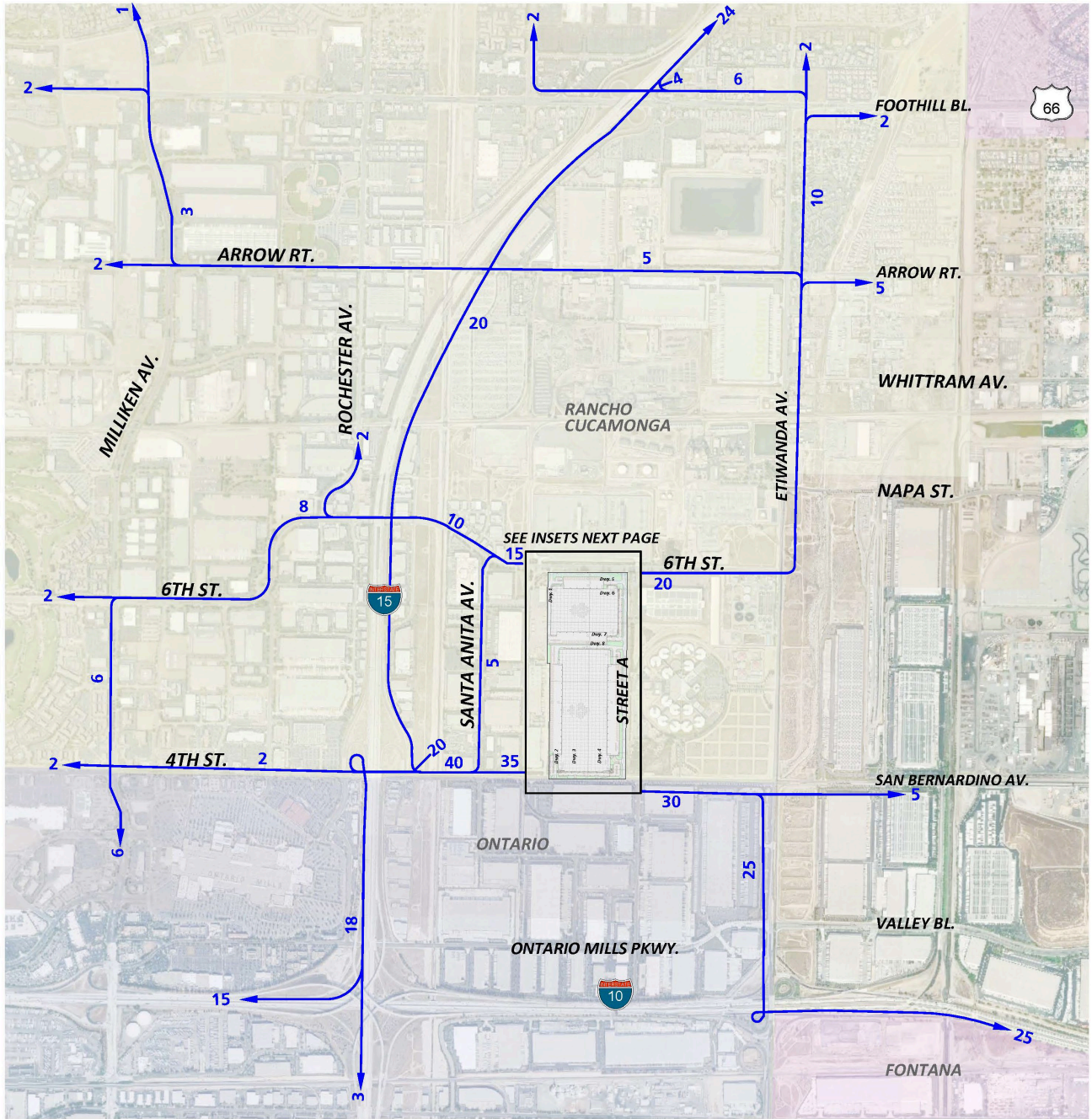


LEGEND:

10 = PERCENT FROM PROJECT SITE



EXHIBIT 5: SORT USE (PASSENGER CAR) TRIP DISTRIBUTION WITH 6TH STREET EXTENSION



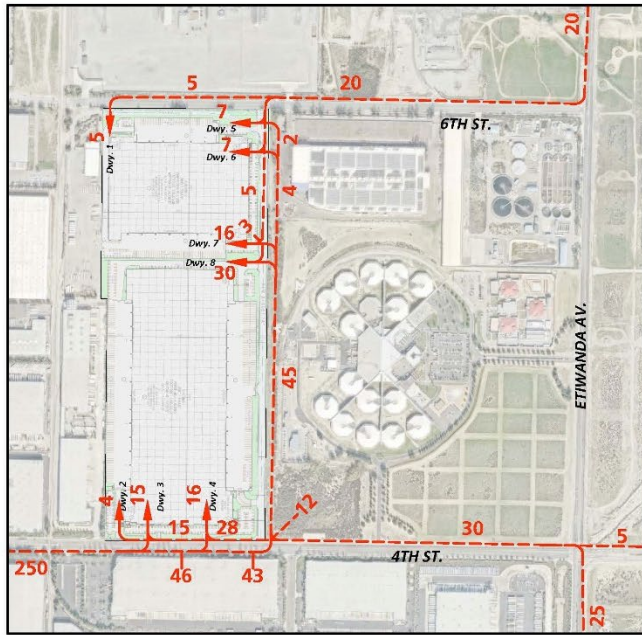
LEGEND:

10 = PERCENT FROM PROJECT SITE

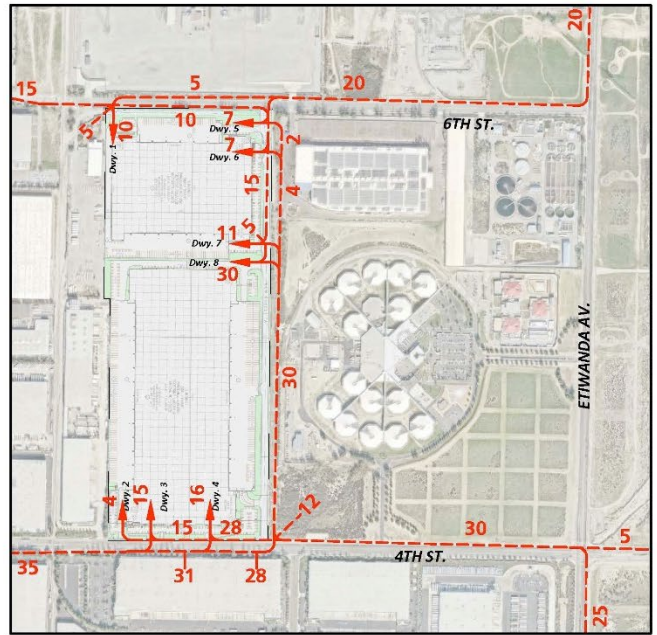


EXHIBIT 6: SORT USE (PASSENGER CAR) TRIP DISTRIBUTION AT SITE

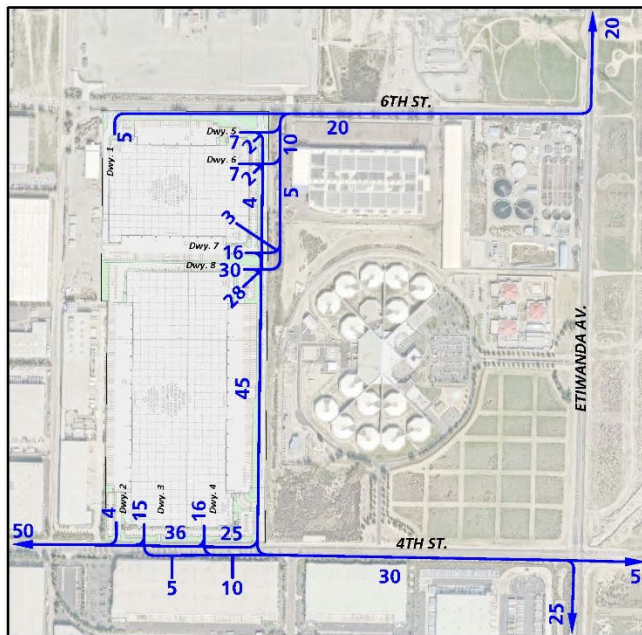
Without 6th St. Connection



With 6th St. Connection



Without 6th St. Connection



With 6th St. Connection

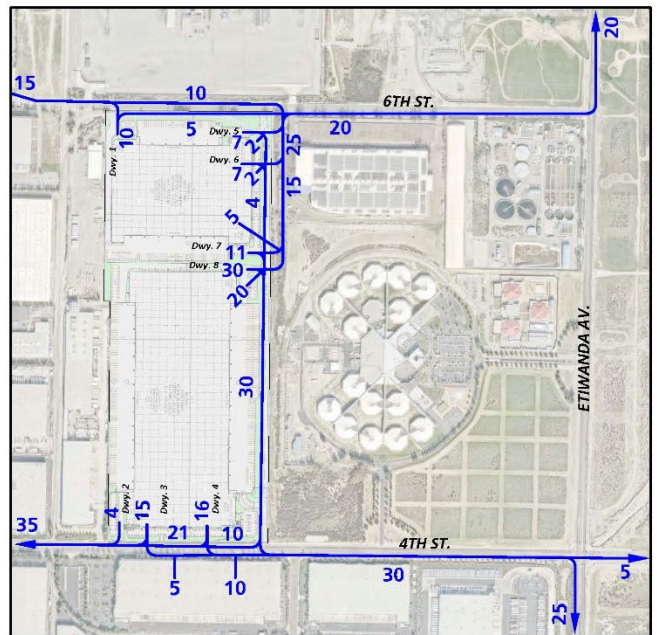
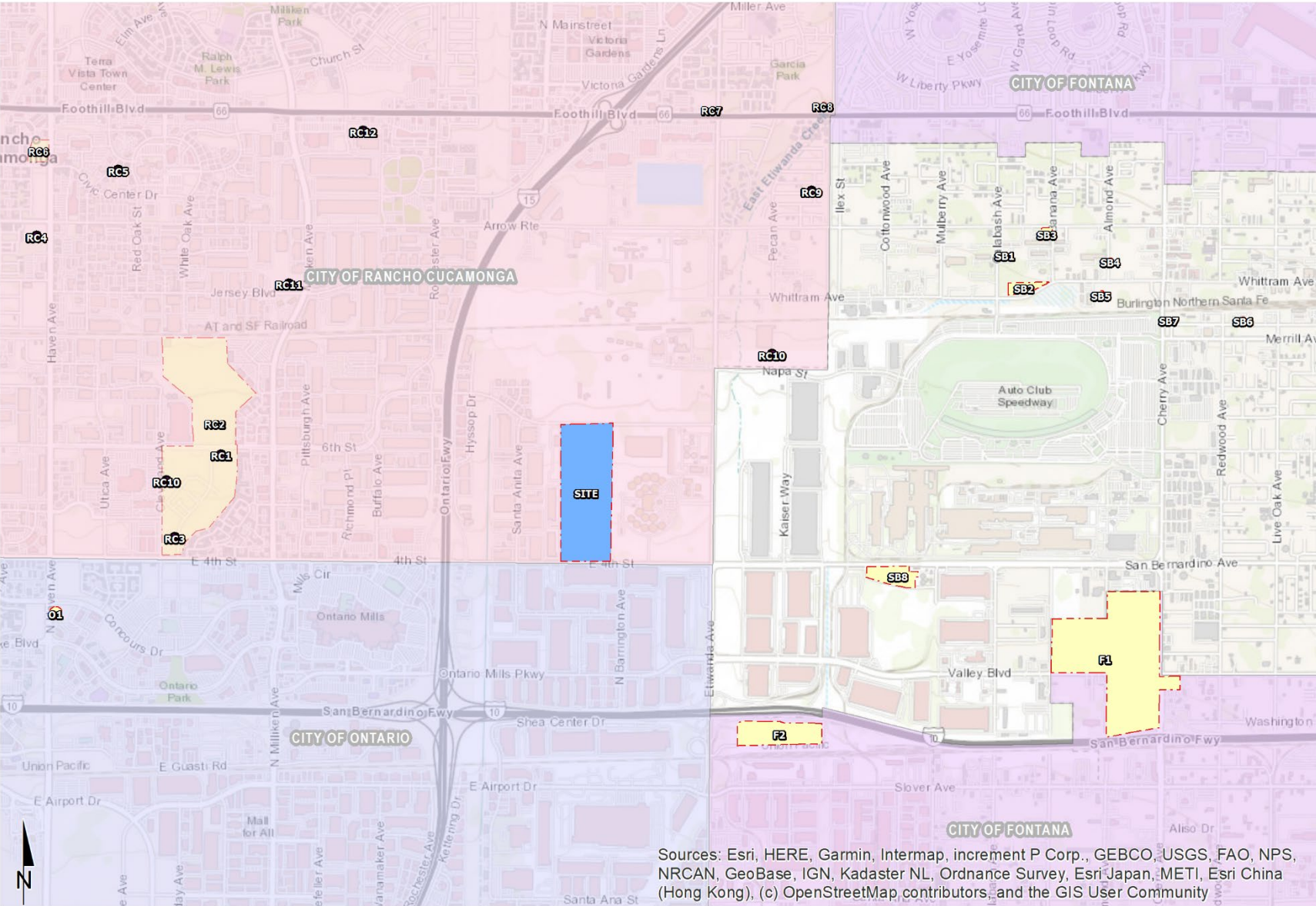
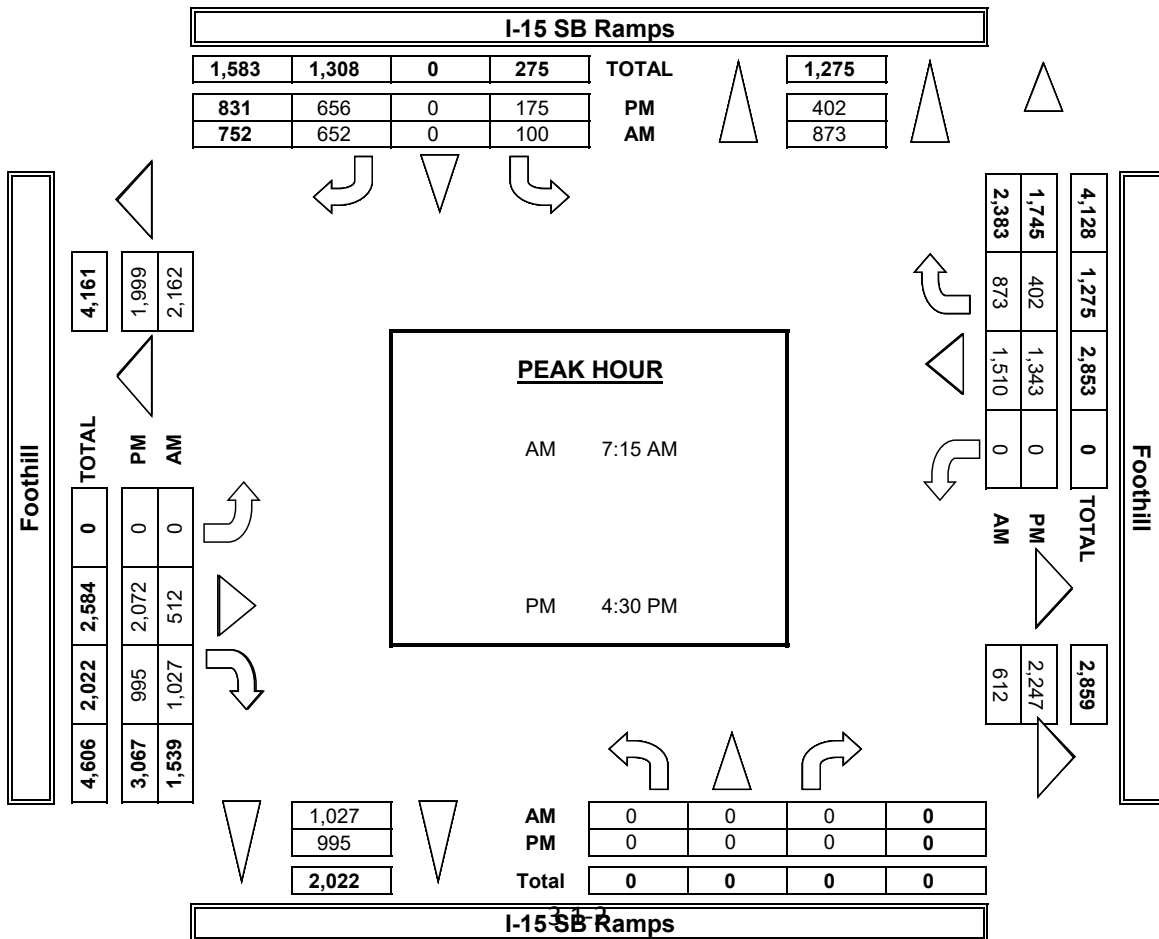
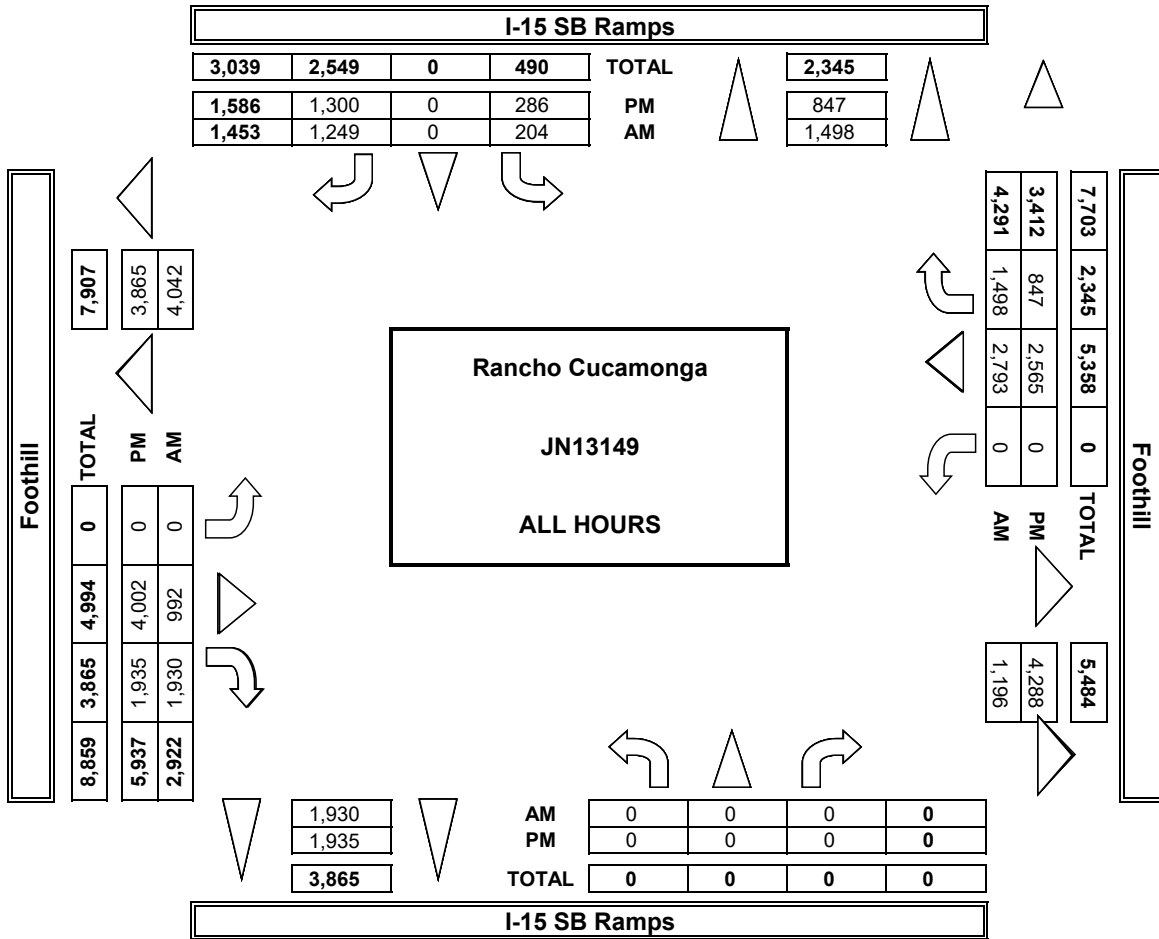


EXHIBIT 7: CUMULATIVE DEVELOPMENT LOCATION MAP



ATTACHMENT A: EXISTING TRAFFIC COUNTS

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 1 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM		▲
		PM	◀ W	N
		MD		E ▶
		OTHER		S
		OTHER		▼

	NORTHBOUND I-15 SB Ramps			SOUTHBOUND I-15 SB Ramps			EASTBOUND Foothill			WESTBOUND Foothill			TOTAL
	NL X	NT X	NR X	SL 1.5	ST X	SR 1.5	EL X	ET 3	ER 1	WL X	WT 3	WR 1	
7:00 AM	0	0	0	26	0	106	0	85	257	0	244	189	907
7:15 AM	0	0	0	24	0	131	0	89	254	0	354	213	1,065
7:30 AM	0	0	0	17	0	147	0	115	283	0	355	181	1,098
7:45 AM	0	0	0	28	0	185	0	132	209	0	362	214	1,130
8:00 AM	0	0	0	15	0	160	0	131	244	0	348	199	1,097
8:15 AM	0	0	0	17	0	156	0	118	242	0	319	156	1,008
8:30 AM	0	0	0	20	0	137	0	115	222	0	309	131	934
8:45 AM	0	0	0	18	0	173	0	115	141	0	336	92	875
VOLUMES	0	0	0	165	0	1,195	0	900	1,852	0	2,627	1,375	8,114
APPROACH %	0%	0%	0%	12%	0%	88%	0%	33%	67%	0%	66%	34%	
APP/DEPART	0	/	1,375	1,360	/	1,852	2,752	/	1,065	4,002	/	3,822	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	0	0	0	84	0	623	0	467	990	0	1,419	807	4,390
APPROACH %	0%	0%	0%	12%	0%	88%	0%	32%	68%	0%	64%	36%	
PEAK HR FACTOR	0.000			0.830			0.915			0.966			0.971
APP/DEPART	0	/	807	707	/	990	1,457	/	551	2,226	/	2,042	0
4:00 PM	0	0	0	27	0	126	0	465	227	0	289	101	1,235
4:15 PM	0	0	0	25	0	131	0	480	228	0	298	129	1,291
4:30 PM	0	0	0	45	0	160	0	468	231	0	302	96	1,302
4:45 PM	0	0	0	53	0	158	0	504	223	0	325	98	1,361
5:00 PM	0	0	0	30	0	144	0	524	242	0	364	90	1,394
5:15 PM	0	0	0	30	0	179	0	527	272	0	328	84	1,420
5:30 PM	0	0	0	18	0	156	0	484	265	0	302	84	1,309
5:45 PM	0	0	0	25	0	210	0	451	193	0	314	96	1,289
VOLUMES	0	0	0	253	0	1,264	0	3,903	1,881	0	2,522	778	10,601
APPROACH %	0%	0%	0%	17%	0%	83%	0%	67%	33%	0%	76%	24%	
APP/DEPART	0	/	778	1,517	/	1,881	5,784	/	4,156	3,300	/	3,786	0
BEGIN PEAK HR	4:45 PM												
VOLUMES	0	0	0	131	0	637	0	2,039	1,002	0	1,319	356	5,484
APPROACH %	0%	0%	0%	17%	0%	83%	0%	67%	33%	0%	79%	21%	
PEAK HR FACTOR	0.000			0.910			0.952			0.922			0.965
APP/DEPART	0	/	356	768	/	1,002	3,041	/	2,170	1,675	/	1,956	0

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

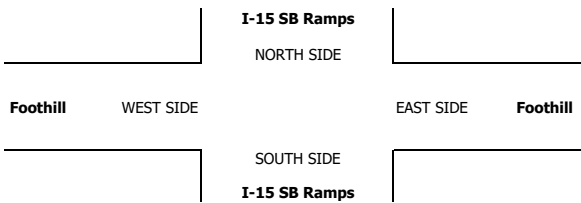
NRR	SRR	ERR	WRR
0	75	0	0
0	62	0	0
0	73	0	0
0	63	0	0
0	92	0	0
0	79	0	0
0	69	0	0
0	72	0	0
0	585	0	0

0	290	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
0	0	0	0	0
0	0	0	0	0

0	61	0	0
0	54	0	0
0	48	0	0
0	64	0	0
0	51	0	0
0	73	0	0
0	72	0	0
0	60	0	0
0	483	0	0

0	260	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 SB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 1 CONTROL: SIGNAL	
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	AM PM MD OTHER	← W S ↓	▲ N E ▶	
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LANES:	NORTHBOUND <small>I-15 SB Ramps</small>			SOUTHBOUND <small>I-15 SB Ramps</small>			EASTBOUND <small>Foothill</small>			WESTBOUND <small>Foothill</small>			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	X	X	1.5	X	1.5	X	3	1	X	3	1	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

AM	7:00 AM	0	0	0	0	0	5	0	7	7	0	15	3	37
	7:15 AM	0	0	0	1	0	6	0	11	7	0	14	12	51
	7:30 AM	0	0	0	0	0	3	0	4	4	0	15	11	37
	7:45 AM	0	0	0	0	0	5	0	7	4	0	24	6	46
	8:00 AM	0	0	0	1	0	5	0	7	6	0	17	9	45
	8:15 AM	0	0	0	0	0	1	0	7	5	0	10	15	38
	8:30 AM	0	0	0	0	0	7	0	11	9	0	12	10	49
	8:45 AM	0	0	0	2	0	5	0	3	6	0	11	13	40
	VOLUMES	0	0	0	4	0	37	0	57	48	0	118	79	343
	APPROACH %	0%	0%	0%	10%	0%	90%	0%	54%	46%	0%	60%	40%	
APP/DEPART	0	/	79	41	/	48	105	/	61	197	/	155	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	0	0	0	2	0	19	0	29	21	0	70	38	179	
APPROACH %	0%	0%	0%	10%	0%	90%	0%	58%	42%	0%	65%	35%		
PEAK HR FACTOR	0.000			0.750			0.694			0.900			0.877	
APP/DEPART	0	/	38	21	/	21	50	/	31	108	/	89	0	
PM	4:00 PM	0	0	0	1	0	3	0	9	6	0	3	6	28
	4:15 PM	0	0	0	0	0	3	0	8	8	0	1	5	25
	4:30 PM	0	0	0	1	0	2	0	2	7	0	5	6	23
	4:45 PM	0	0	0	1	0	1	0	3	4	0	3	6	18
	5:00 PM	0	0	0	0	0	3	0	13	5	0	4	2	27
	5:15 PM	0	0	0	0	0	0	0	7	3	0	4	3	17
	5:30 PM	0	0	0	0	0	0	0	6	3	0	5	6	20
	5:45 PM	0	0	0	0	0	5	0	7	3	0	0	4	19
	VOLUMES	0	0	0	3	0	17	0	55	39	0	25	38	177
	APPROACH %	0%	0%	0%	15%	0%	85%	0%	59%	41%	0%	40%	60%	
APP/DEPART	0	/	38	20	/	39	94	/	58	63	/	42	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	0	0	3	0	9	0	22	25	0	12	23	94	
APPROACH %	0%	0%	0%	25%	0%	75%	0%	47%	53%	0%	34%	66%		
PEAK HR FACTOR	0.000			0.750			0.734			0.795			0.839	
APP/DEPART	0	/	23	12	/	25	47	/	25	35	/	21	0	

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

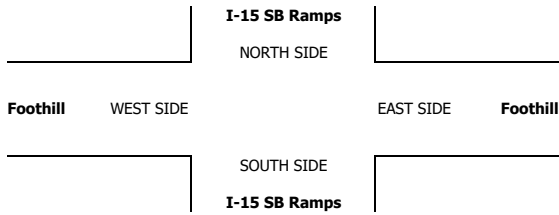
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0	1	0	0
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0	19	0	0

0	7	0	0
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0	0	0	0	0
0	0	0	0	0

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0	1	0	0
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0	0	0	0
0	1	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	2	0	0

0	1	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 1 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	AM		▲	
		PM		N	
		MD	◀ W		E ▶
		OTHER		▼	

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 SB Ramps			I-15 SB Ramps			Foothill			Foothill			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

7:00 AM	0	0	0	1	0	0	0	2	3	0	2	0	8
7:15 AM	0	0	0	0	0	0	0	2	2	0	2	0	6
7:30 AM	0	0	0	0	0	0	0	1	0	0	2	1	4
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	3	4
8:00 AM	0	0	0	1	0	0	0	2	1	0	2	3	9
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	2	0	0	3	0	5
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
VOLUMES	0	0	0	2	0	0	0	9	6	0	14	7	38
APPROACH %	0%	0%	0%	100%	0%	0%	0%	60%	40%	0%	67%	33%	
APP/DEPART	0	7	7	2	6	15	11	21	14	0			0
BEGIN PEAK HR	7:15 AM												
VOLUMES	0	0	0	1	0	0	0	5	3	0	7	7	23
APPROACH %	0%	0%	0%	100%	0%	0%	0%	63%	38%	0%	50%	50%	
PEAK HR FACTOR	0.000			0.250			0.500			0.700			0.639
APP/DEPART	0	7	7	1	3	8	6	14	7	0			0
4:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	2
4:15 PM	0	0	0	1	0	0	0	1	0	0	0	0	2
4:30 PM	0	0	0	1	0	2	0	0	0	0	0	1	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	2	3
5:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	1
5:15 PM	0	0	0	1	0	0	0	2	0	0	1	0	4
5:30 PM	0	0	0	2	0	0	0	0	1	0	0	0	3
5:45 PM	0	0	0	1	0	0	0	0	0	0	0	1	2
VOLUMES	0	0	0	6	0	3	0	4	1	0	2	5	21
APPROACH %	0%	0%	0%	67%	0%	33%	0%	80%	20%	0%	29%	71%	
APP/DEPART	0	5	5	9	1	5	10	7	5	0			0
BEGIN PEAK HR	4:30 PM												
VOLUMES	0	0	0	2	0	3	0	2	0	0	2	3	12
APPROACH %	0%	0%	0%	40%	0%	60%	0%	100%	0%	0%	40%	60%	
PEAK HR FACTOR	0.000			0.417			0.250			0.417			0.750
APP/DEPART	0	3	3	5	0	2	4	5	5	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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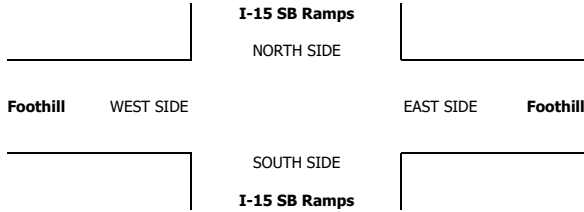
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0	0	0	0
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0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

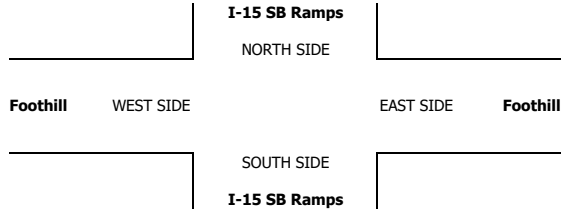
DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 SB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 1 CONTROL: SIGNAL	
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">AM</div> <div style="margin-right: 5px;">PM</div> <div style="margin-right: 5px;">MD</div> <div style="margin-right: 5px;">OTHER</div> <div style="margin-right: 5px;"> <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">W</div> <div style="margin-right: 5px;">E</div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">N</div> <div style="margin-right: 5px;">S</div> </div> </div> </div>	

LANES:	NORTHBOUND <small>I-15 SB Ramps</small>			SOUTHBOUND <small>I-15 SB Ramps</small>			EASTBOUND <small>Foothill</small>			WESTBOUND <small>Foothill</small>			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	X	X	1.5	X	1.5	X	3	1	X	3	1	
7:00 AM	0	0	0	4	0	1	0	2	2	0	2	3	14
7:15 AM	0	0	0	4	0	1	0	2	2	0	3	5	17
7:30 AM	0	0	0	4	0	2	0	0	6	0	2	5	19
7:45 AM	0	0	0	5	0	2	0	2	3	0	3	5	20
8:00 AM	0	0	0	0	0	2	0	1	1	0	1	5	10
8:15 AM	0	0	0	6	0	2	0	1	3	0	4	3	19
8:30 AM	0	0	0	6	0	0	0	4	2	0	1	4	17
8:45 AM	0	0	0	4	0	3	0	0	2	0	5	5	19
VOLUMES	0	0	0	33	0	13	0	12	21	0	21	35	135
APPROACH %	0%	0%	0%	72%	0%	28%	0%	36%	64%	0%	38%	63%	
APP/DEPART	0	/	35	46	/	21	33	/	45	56	/	34	0
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	17	0	6	0	6	13	0	10	18	70
APPROACH %	0%	0%	0%	74%	0%	26%	0%	32%	68%	0%	36%	64%	
PEAK HR FACTOR	0.000			0.821			0.792			0.875			0.875
APP/DEPART	0	/	18	23	/	13	19	/	23	28	/	16	0
4:00 PM	0	0	0	3	0	3	0	5	1	0	2	2	16
4:15 PM	0	0	0	5	0	2	0	6	3	0	3	4	23
4:30 PM	0	0	0	5	0	2	0	7	2	0	0	4	20
4:45 PM	0	0	0	3	0	0	0	3	1	0	1	4	12
5:00 PM	0	0	0	1	0	2	0	3	3	0	0	3	12
5:15 PM	0	0	0	4	0	1	0	2	1	0	1	2	11
5:30 PM	0	0	0	0	0	0	0	1	0	0	0	4	5
5:45 PM	0	0	0	2	0	5	0	2	1	0	1	1	12
VOLUMES	0	0	0	23	0	15	0	29	12	0	8	24	111
APPROACH %	0%	0%	0%	61%	0%	39%	0%	71%	29%	0%	25%	75%	
APP/DEPART	0	/	24	38	/	12	41	/	52	32	/	23	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	0	0	0	16	0	7	0	21	7	0	6	14	71
APPROACH %	0%	0%	0%	70%	0%	30%	0%	75%	25%	0%	30%	70%	
PEAK HR FACTOR	0.000			0.821			0.778			0.714			0.772
APP/DEPART	0	/	14	23	/	7	28	/	37	20	/	13	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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X
0	0	0	0
0	0	0	0
0	0	0	0
0	1	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	1	0	0

0	1	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	2	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	2	0	0
0	0	0	0



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 SB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 1 CONTROL: SIGNAL																					
CLASS 5: RV	NOTES:	<table border="1" style="margin: auto;"> <tr> <td>AM</td> <td></td> <td>▲</td> <td></td> </tr> <tr> <td>PM</td> <td></td> <td>N</td> <td></td> </tr> <tr> <td></td> <td>◀ W</td> <td></td> <td>E ▶</td> </tr> <tr> <td>MD</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> <td>▼</td> <td></td> </tr> </table>		AM		▲		PM		N			◀ W		E ▶	MD		S		OTHER		▼	
AM		▲																					
PM		N																					
	◀ W		E ▶																				
MD		S																					
OTHER		▼																					

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 SB Ramps			I-15 SB Ramps			Foothill			Foothill			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	X	X	1.5	X	1.5	X	3	1	X	3	1	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	
	7:45 AM	0	0	0	0	0	2	0	0	0	0	0	2	
	8:00 AM	0	0	0	0	0	1	0	0	0	0	0	1	
	8:15 AM	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	
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	
	VOLUMES	0	0	0	0	0	3	0	0	0	0	0	1	4
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	
APP/DEPART	0	/	1	3	/	0	0	/	0	1	/	3	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	0	0	0	0	2	0	0	0	0	0	1	3	
APPROACH %	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%		
PEAK HR FACTOR	0.000			0.250			0.000			0.250			0.375	
APP/DEPART	0	/	1	2	/	0	0	/	0	1	/	2	0	
PM	4:00 PM	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	
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	3:00 PM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	

0	0	0	0	0
0	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

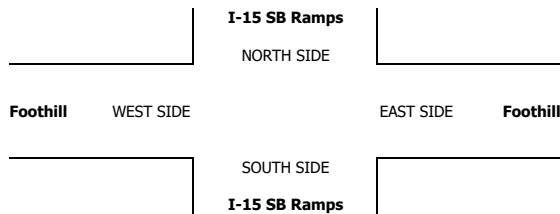
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0	0	0	0
0	0	0	0

0	1	0	0
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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
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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
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 1 CONTROL: SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 SB Ramps			I-15 SB Ramps			Foothill			Foothill			
LANES:	NL X	NT X	NR X	SL 1.5	ST X	SR 1.5	EL X	ET 3	ER 1	WL X	WT 3	WR 1	
AM													
7:00 AM	0	0	0	0	0	0	0	3	0	0	1	0	4
7:15 AM	0	0	0	0	0	0	0	3	0	0	1	0	4
7:30 AM	0	0	0	0	0	0	0	1	1	0	1	1	4
7:45 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
8:00 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
8:15 AM	0	0	0	0	0	0	0	1	1	0	2	0	4
8:30 AM	0	0	0	0	0	1	0	3	0	0	4	0	8
8:45 AM	0	0	0	0	0	0	0	1	1	0	1	0	3
VOLUMES	0	0	0	0	0	1	0	14	3	0	13	1	32
APPROACH %	0%	0%	0%	0%	0%	100%	0%	82%	18%	0%	93%	7%	
APP/DEPART	0	/	1	1	/	3	17	/	14	14	/	14	0
BEGIN PEAK HR	7:45 AM												
VOLUMES	0	0	0	0	0	1	0	6	1	0	9	0	17
APPROACH %	0%	0%	0%	0%	0%	100%	0%	86%	14%	0%	100%	0%	
PEAK HR FACTOR	0.000			0.250			0.583			0.563			0.531
APP/DEPART	0	/	0	1	/	1	7	/	6	9	/	10	0
PM													
4:00 PM	0	0	0	0	0	0	0	1	0	0	2	0	3
4:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:30 PM	0	0	0	0	0	1	0	2	1	0	2	0	6
4:45 PM	0	0	0	0	0	0	0	2	0	0	0	1	3
5:00 PM	0	0	0	0	0	0	0	2	0	0	1	0	3
5:15 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
5:30 PM	0	0	0	1	0	0	0	1	0	0	1	0	3
5:45 PM	0	0	0	0	0	0	0	1	1	0	1	1	4
VOLUMES	0	0	0	1	0	1	0	11	2	0	8	2	25
APPROACH %	0%	0%	0%	50%	0%	50%	0%	85%	15%	0%	80%	20%	
APP/DEPART	0	/	2	2	/	2	13	/	12	10	/	9	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	0	0	0	0	0	1	0	7	1	0	4	1	14
APPROACH %	0%	0%	0%	0%	0%	100%	0%	88%	13%	0%	80%	20%	
PEAK HR FACTOR	0.000			0.250			0.667			0.625			0.583
APP/DEPART	0	/	1	1	/	1	8	/	7	5	/	5	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

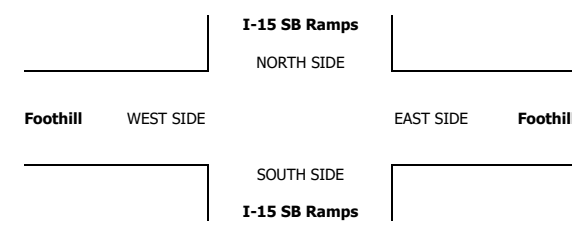
RTOR			
NRR	SRR	ERR	WRR
X	0	X	X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

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

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
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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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: Wed, Mar 11, 20	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Foothill	PROJECT #: JN13149	LOCATION #: 2	CONTROL: SIGNAL
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NOTES:

AM	PM	MD	OTHER
▲	▲	▲	▲
◀	W	S	▶

Add U-Turns to Left Turns

	NORTHBOUND I-15 NB Ramps			SOUTHBOUND I-15 NB Ramps			EASTBOUND Foothill			WESTBOUND Foothill			TOTAL
	LN	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1.5	X	1.5	X	X	X	X	3	1	X	3	1	
7:00 AM	180	0	100	0	0	0	0	79	51	0	280	37	727
7:15 AM	215	0	91	0	0	0	0	88	48	0	389	43	874
7:30 AM	224	0	110	0	0	0	0	87	53	0	350	37	861
7:45 AM	237	0	134	0	0	0	0	117	58	0	386	41	973
8:00 AM	212	0	92	0	0	0	0	89	70	0	373	50	886
8:15 AM	211	0	109	0	0	0	0	98	48	0	299	21	786
8:30 AM	203	0	99	0	0	0	0	112	49	0	275	26	764
8:45 AM	232	0	107	0	0	0	0	97	42	0	236	35	749
VOLUMES	1,714	0	842	0	0	0	0	767	419	0	2,588	290	6,620
APPROACH %	67%	0%	33%	0%	0%	0%	0%	65%	35%	0%	90%	10%	
APP/DEPART	2,556	/	290	0	/	419	1,186	/	1,609	2,878	/	4,302	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	888	0	427	0	0	0	0	381	229	0	1,498	171	3,594
APPROACH %	68%	0%	32%	0%	0%	0%	0%	62%	38%	0%	90%	10%	
PEAK HR FACTOR	0.886			0.000			0.871			0.966			0.923
APP/DEPART	1,315	/	171	0	/	229	610	/	808	1,669	/	2,386	0
4:00 PM	139	0	117	0	0	0	0	267	239	0	271	82	1,115
4:15 PM	131	0	140	0	0	0	0	281	255	0	309	96	1,212
4:30 PM	153	0	137	0	0	0	0	284	243	0	263	75	1,155
4:45 PM	158	0	134	0	0	0	0	304	265	0	283	92	1,236
5:00 PM	164	0	142	0	0	0	0	306	267	0	304	95	1,278
5:15 PM	154	0	137	0	0	0	0	286	288	0	270	86	1,221
5:30 PM	147	0	147	0	0	0	0	283	230	0	255	74	1,136
5:45 PM	163	0	146	0	0	0	0	260	224	0	256	75	1,124
VOLUMES	1,209	0	1,100	0	0	0	0	2,271	2,011	0	2,211	675	9,477
APPROACH %	52%	0%	48%	0%	0%	0%	0%	53%	47%	0%	77%	23%	
APP/DEPART	2,309	/	675	0	/	2,011	4,282	/	3,371	2,886	/	3,420	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	629	0	550	0	0	0	0	1,180	1,063	0	1,120	348	4,890
APPROACH %	53%	0%	47%	0%	0%	0%	0%	53%	47%	0%	76%	24%	
PEAK HR FACTOR	0.963			0.000			0.977			0.920			0.957
APP/DEPART	1,179	/	348	0	/	1,063	2,243	/	1,730	1,468	/	1,749	0

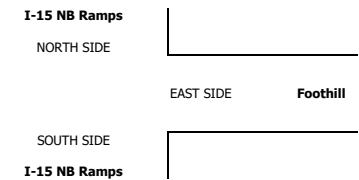
U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

RTOR			
NRR	SRR	ERR	WRR
45	0	0	0
33	0	0	0
50	0	0	0
55	0	0	0
44	0	0	0
53	0	0	0
45	0	0	0
37	0	0	0
362	0	0	0

182	0	0	0
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51	0	0	0
31	0	0	0
33	0	0	0
41	0	0	0
35	0	0	0
32	0	0	0
42	0	0	0
40	0	0	0
305	0	0	0

141	0	0	0
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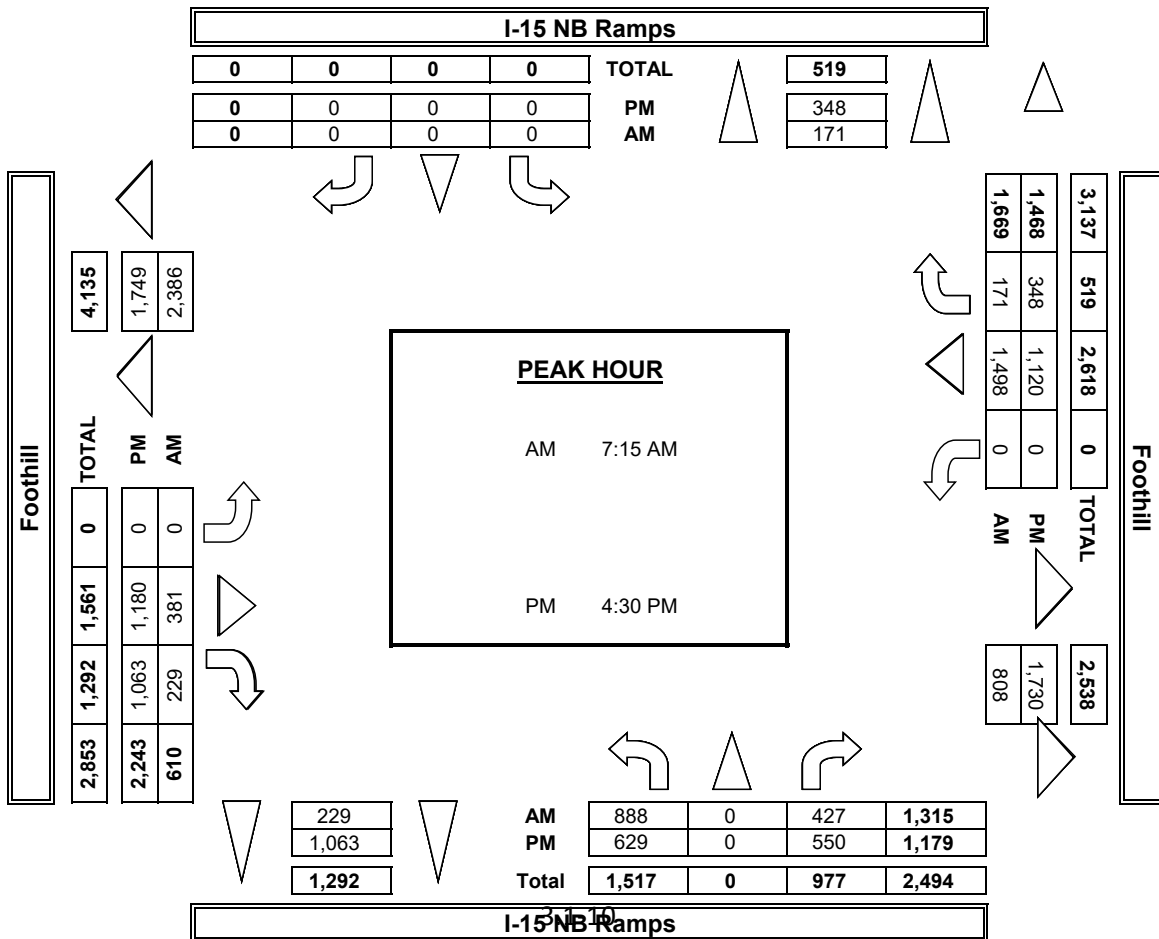
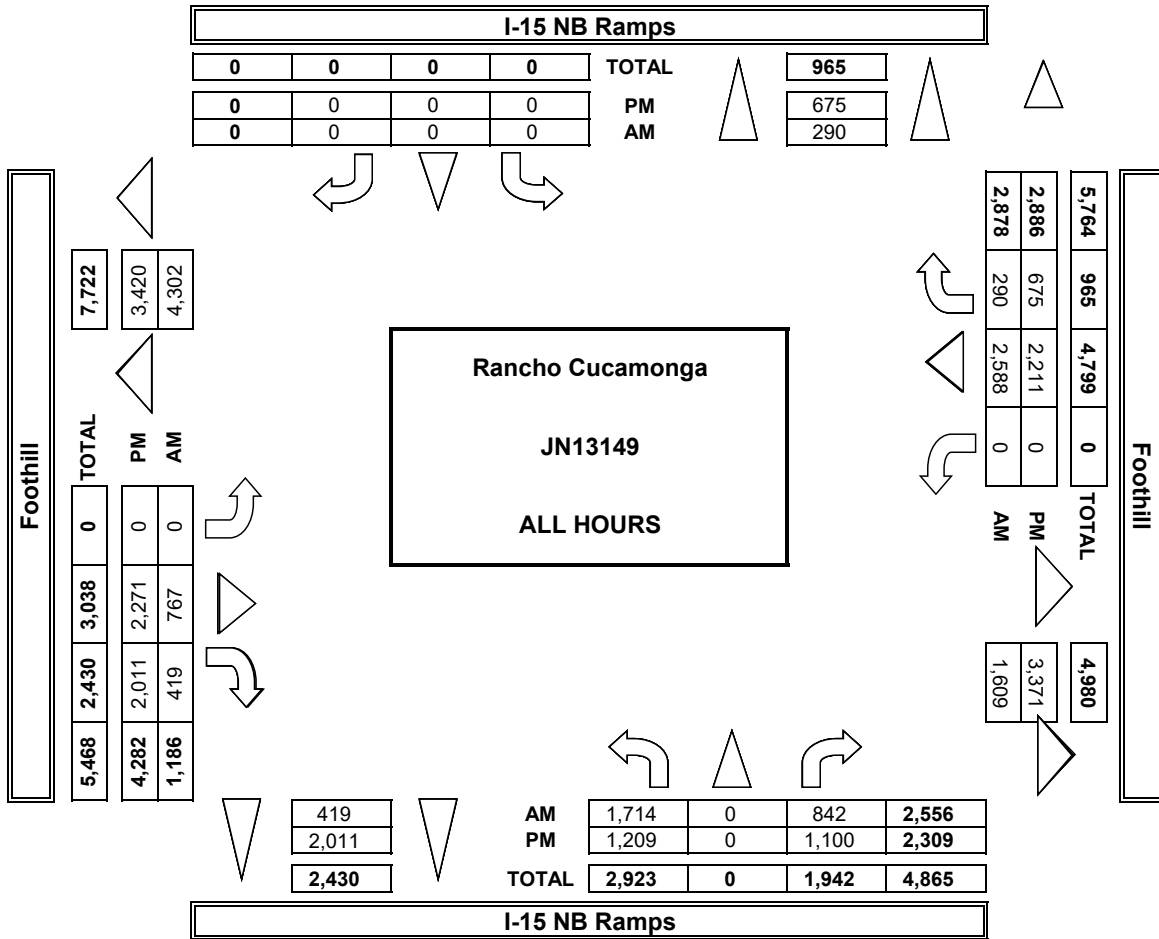


	ALL PED AND BIKE			
	E SIDE	W SIDE	S SIDE	N SIDE
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	1	0	1	1
8:30 AM	1	0	1	1
8:45 AM	0	0	1	0
TOTAL	2	0	2	2
4:00 PM	0	0	0	3
4:15 PM	3	0	2	1
4:30 PM	0	0	2	0
4:45 PM	0	0	0	0
5:00 PM	0	0	1	0
5:15 PM	0	0	1	0
5:30 PM	0	0	0	0
5:45 PM	0	0	1	1
TOTAL	3	0	7	5

	PEDESTRIAN CROSSINGS			
	E SIDE	W SIDE	S SIDE	N SIDE
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	1	0
8:30 AM	1	0	0	1
8:45 AM	0	0	1	0
TOTAL	1	0	2	1
4:00 PM	0	0	0	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	1	0
5:15 PM	0	0	1	0
5:30 PM	0	0	0	0
5:45 PM	0	0	0	0
TOTAL	0	0	2	0

	BICYCLE CROSSINGS			
	ES	WS	SS	NS
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	1	0	0	1
8:30 AM	0	0	0	1
8:45 AM	0	0	0	0
TOTAL	1	0	0	2
4:00 PM	0	0	0	3
4:15 PM	3	0	2	1
4:30 PM	0	0	2	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	0	0	1	1
TOTAL	3	0	5	5

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 2 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	<table border="1"> <tr> <td>AM</td> <td>▲</td> <td></td> <td>N</td> <td></td> </tr> <tr> <td>PM</td> <td></td> <td>◀</td> <td>W</td> <td>▶</td> </tr> <tr> <td>MD</td> <td></td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> <td></td> <td>▼</td> <td></td> </tr> </table>	AM	▲		N		PM		◀	W	▶	MD			S		OTHER			▼	
AM	▲		N																			
PM		◀	W	▶																		
MD			S																			
OTHER			▼																			

LANES:	NORTHBOUND I-15 NB Ramps			SOUTHBOUND I-15 NB Ramps			EASTBOUND Foothill			WESTBOUND Foothill			TOTAL
	NL 1.5	NT X	NR 1.5	SL X	ST X	SR X	EL X	ET 3	ER 1	WL X	WT 3	WR 1	
AM													
7:00 AM	166	0	85	0	0	0	0	65	46	0	267	29	658
7:15 AM	200	0	78	0	0	0	0	71	42	0	367	37	795
7:30 AM	209	0	96	0	0	0	0	78	52	0	327	30	792
7:45 AM	215	0	130	0	0	0	0	106	54	0	364	34	903
8:00 AM	196	0	78	0	0	0	0	84	62	0	351	42	813
8:15 AM	195	0	88	0	0	0	0	88	43	0	280	19	713
8:30 AM	190	0	78	0	0	0	0	96	39	0	254	21	678
8:45 AM	214	0	89	0	0	0	0	90	39	0	218	30	680
VOLUMES	1,585	0	722	0	0	0	0	678	377	0	2,428	242	6,032
APPROACH %	69%	0%	31%	0%	0%	0%	0%	64%	36%	0%	91%	9%	
APP/DEPART	2,307	/	242	0	/	377	1,055	/	1,400	2,670	/	4,013	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	820	0	382	0	0	0	0	339	210	0	1,409	143	3,303
APPROACH %	68%	0%	32%	0%	0%	0%	0%	62%	38%	0%	91%	9%	
PEAK HR FACTOR	0.871			0.000			0.858			0.960			0.914
APP/DEPART	1,202	/	143	0	/	210	549	/	721	1,552	/	2,229	0
PM													
4:00 PM	135	0	100	0	0	0	0	254	232	0	259	77	1,057
4:15 PM	127	0	133	0	0	0	0	268	246	0	300	86	1,160
4:30 PM	150	0	132	0	0	0	0	274	235	0	248	66	1,105
4:45 PM	155	0	128	0	0	0	0	296	261	0	268	76	1,184
5:00 PM	160	0	133	0	0	0	0	291	262	0	298	88	1,232
5:15 PM	150	0	129	0	0	0	0	275	283	0	262	82	1,181
5:30 PM	141	0	142	0	0	0	0	276	226	0	245	70	1,100
5:45 PM	160	0	138	0	0	0	0	252	219	0	250	72	1,091
VOLUMES	1,178	0	1,035	0	0	0	0	2,186	1,964	0	2,130	617	9,110
APPROACH %	53%	0%	47%	0%	0%	0%	0%	53%	47%	0%	78%	22%	
APP/DEPART	2,213	/	617	0	/	1,964	4,150	/	3,221	2,747	/	3,308	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	615	0	522	0	0	0	0	1,136	1,041	0	1,076	312	4,702
APPROACH %	54%	0%	46%	0%	0%	0%	0%	52%	48%	0%	78%	22%	
PEAK HR FACTOR	0.970			0.000			0.975			0.899			0.954
APP/DEPART	1,137	/	312	0	/	1,041	2,177	/	1,658	1,388	/	1,691	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

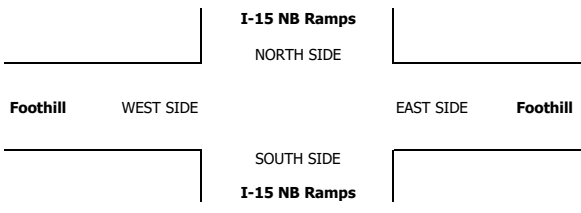
RTOR			
NRR	SRR	ERR	WRR
0	X	X	X
38	0	0	0
29	0	0	0
45	0	0	0
51	0	0	0
38	0	0	0
44	0	0	0
39	0	0	0
30	0	0	0
314	0	0	0

163	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

46	0	0	0
30	0	0	0
33	0	0	0
40	0	0	0
35	0	0	0
30	0	0	0
39	0	0	0
38	0	0	0
291	0	0	0

138	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 2 SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	AM		▲	
		PM	◀ W	N	E ▶
		MD		S	
		OTHER		▼	

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Foothill			Foothill			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1.5	X	1.5	X	X	X	X	3	1	X	3	1	

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

RTOR			
NRR	SRR	ERR	WRR
0	X	X	X

AM	7:00 AM	11	0	7	0	0	0	0	4	3	0	7	0	32	0	0	0	0	0	0	0	0	4	0	0	0	0
	7:15 AM	11	0	7	0	0	0	0	7	5	0	15	1	46	0	0	0	0	0	0	0	0	3	0	0	0	0
	7:30 AM	11	0	8	0	0	0	0	3	1	0	15	1	39	0	0	0	0	0	0	0	0	3	0	0	0	0
	7:45 AM	18	0	3	0	0	0	0	5	2	0	12	2	42	0	0	0	0	0	0	0	0	3	0	0	0	0
	8:00 AM	11	0	5	0	0	0	0	3	5	0	15	2	41	0	0	0	0	0	0	0	0	3	0	0	0	0
	8:15 AM	12	0	14	0	0	0	0	3	4	0	13	0	46	0	0	0	0	0	0	0	0	5	0	0	0	0
	8:30 AM	10	0	11	0	0	0	0	5	6	0	12	0	44	0	0	0	0	0	0	0	0	5	0	0	0	0
	8:45 AM	14	0	9	0	0	0	0	3	2	0	10	1	39	0	0	0	0	0	0	0	0	2	0	0	0	0
	VOLUMES	98	0	64	0	0	0	0	33	28	0	99	7	329	0	0	0	0	0	0	0	0	28	0	0	0	0
	APPROACH %	60%	0%	40%	0%	0%	0%	0%	54%	46%	0%	93%	7%														
	APP/DEPART	162	/	7	0	/	28	61	/	97	106	/	197	0									16	0	0	0	0

0	0	0	0	0
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4	0	0	0
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PM	BEGIN PEAK HR	7:45 AM												
	VOLUMES	51	0	33	0	0	0	0	16	17	0	52	4	173
	APPROACH %	61%	0%	39%	0%	0%	0%	0%	48%	52%	0%	93%	7%	
	PEAK HR FACTOR	0.808		0.000		0.750		0.824				0.940		
	APP/DEPART	84	/	4	0	/	17	33	/	49	56	/	103	0

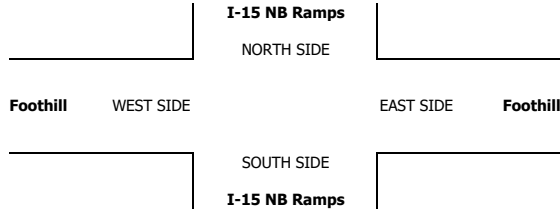
0	0	0	0	0
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3	0	0	0
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PM	4:00 PM	2	0	12	0	0	0	0	5	5	0	7	1	32	0	0	0	0	0	0	0	0	3	0	0	0	0
	4:15 PM	3	0	4	0	0	0	0	3	5	0	3	4	22	0	0	0	0	0	0	0	0	1	0	0	0	0
	4:30 PM	2	0	3	0	0	0	0	2	1	0	9	3	20	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	2	0	4	0	0	0	0	4	0	0	7	6	23	0	0	0	0	0	0	0	0	1	0	0	0	0
	5:00 PM	4	0	3	0	0	0	0	8	5	0	2	2	24	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	3	0	5	0	0	0	0	4	3	0	4	3	22	0	0	0	0	0	0	0	0	2	0	0	0	0
	5:30 PM	6	0	2	0	0	0	0	2	4	0	5	2	21	0	0	0	0	0	0	0	0	1	0	0	0	0
	5:45 PM	2	0	6	0	0	0	0	4	3	0	2	2	19	0	0	0	0	0	0	0	0	2	0	0	0	0
	VOLUMES	24	0	39	0	0	0	0	32	26	0	39	23	183									10	0	0	0	0
	APPROACH %	38%	0%	62%	0%	0%	0%	0%	55%	45%	0%	63%	37%														
	APP/DEPART	63	/	23	0	/	26	58	/	71	62	/	63	0									5	0	0	0	0
	BEGIN PEAK HR	4:00 PM																									
	VOLUMES	9	0	23	0	0	0	0	14	11	0	26	14	97													
	APPROACH %	28%	0%	72%	0%	0%	0%	0%	56%	44%	0%	65%	35%														
	PEAK HR FACTOR	0.571		0.000		0.625		0.769				0.758															
	APP/DEPART	32	/	14	0	/	11	25	/	37	40	/	35	0													

0	0	0	0	0
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10	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 2 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	AM PM MD OTHER OTHER	◀ W S ▶	▲ N ▼	E ▶
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Foothill			Foothill			
LANES:	NL 1.5	NT X	NR 1.5	SL X	ST X	SR X	EL X	ET 3	ER 1	WL X	WT 3	WR 1	
AM													
7:00 AM	1	0	2	0	0	0	0	3	0	0	1	2	9
7:15 AM	2	0	0	0	0	0	0	2	0	0	0	1	5
7:30 AM	1	0	2	0	0	0	0	1	0	0	2	2	8
7:45 AM	1	0	0	0	0	0	0	0	0	0	3	0	4
8:00 AM	3	0	2	0	0	0	0	1	2	0	2	2	12
8:15 AM	0	0	4	0	0	0	0	0	0	0	1	0	5
8:30 AM	1	0	2	0	0	0	0	0	2	0	2	0	7
8:45 AM	1	0	3	0	0	0	0	0	0	0	0	0	4
VOLUMES	10	0	15	0	0	0	0	7	4	0	11	7	54
APPROACH %	40%	0%	60%	0%	0%	0%	0%	64%	36%	0%	61%	39%	
APP/DEPART	25	/	7	0	/	4	11	/	22	18	/	21	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	7	0	4	0	0	0	0	4	2	0	7	5	29
APPROACH %	64%	0%	36%	0%	0%	0%	0%	67%	33%	0%	58%	42%	
PEAK HR FACTOR	0.550		0.000		0.500		0.750		0.604				
APP/DEPART	11	/	5	0	/	2	6	/	8	12	/	14	0
PM													
4:00 PM	0	0	0	0	0	0	0	1	0	0	1	1	3
4:15 PM	0	0	1	0	0	0	0	2	0	0	0	1	4
4:30 PM	1	0	0	0	0	0	0	0	1	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	3	5	8
5:00 PM	0	0	2	0	0	0	0	0	0	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	3	0	0	1	0	4
5:30 PM	0	0	1	0	0	0	0	2	0	0	0	0	3
5:45 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
VOLUMES	1	0	4	0	0	0	0	9	1	0	6	8	29
APPROACH %	20%	0%	80%	0%	0%	0%	0%	90%	10%	0%	43%	57%	
APP/DEPART	5	/	8	0	/	1	10	/	13	14	/	7	0
BEGIN PEAK HR	4:45 PM												
VOLUMES	0	0	3	0	0	0	0	5	0	0	4	6	18
APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	40%	60%	
PEAK HR FACTOR	0.375		0.000		0.417		0.313		0.563				
APP/DEPART	3	/	6	0	/	0	5	/	8	10	/	4	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

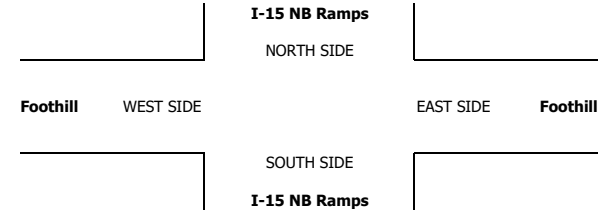
RTOR			
NRR	SRR	ERR	WRR
0	X	X	X
2	0	0	0
0	0	0	0
1	0	0	0
0	0	0	0
1	0	0	0
3	0	0	0
0	0	0	0
1	0	0	0
8	0	0	0

2	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
0	0	0	0	0
0	0	0	0	0

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	0	0	0
0	0	0	0
1	0	0	0

1	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 NB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 2 CONTROL: SIGNAL																	
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	<table style="margin: auto;"> <tr><td>AM</td><td>▲</td><td>N</td><td>▶</td></tr> <tr><td>PM</td><td>◀</td><td>W</td><td>E</td></tr> <tr><td>MD</td><td></td><td></td><td></td></tr> <tr><td>OTHER</td><td>▼</td><td>S</td><td>▶</td></tr> </table>	AM	▲	N	▶	PM	◀	W	E	MD				OTHER	▼	S	▶	
AM	▲	N	▶																
PM	◀	W	E																
MD																			
OTHER	▼	S	▶																

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Foothill			Foothill			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1.5	X	1.5	X	X	X	X	3	1	X	3	1	

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

RTOR			
NRR	SRR	ERR	WRR
0	X	X	X
0	0	0	0
0	0	0	0
1	0	0	0
1	0	0	0
2	0	0	0
1	0	0	0
1	0	0	0
4	0	0	0
10	0	0	0

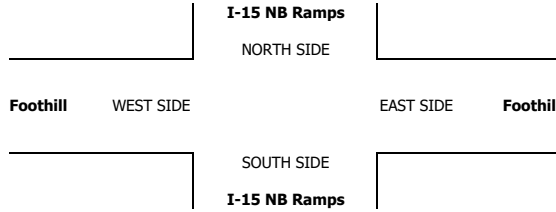
AM	7:00 AM	1	0	4	0	0	0	0	4	2	0	4	5	20
	7:15 AM	2	0	5	0	0	0	0	5	1	0	6	4	23
	7:30 AM	3	0	4	0	0	0	0	4	0	0	4	4	19
	7:45 AM	2	0	1	0	0	0	0	5	2	0	6	5	21
	8:00 AM	2	0	7	0	0	0	0	0	1	0	4	4	18
	8:15 AM	3	0	3	0	0	0	0	6	1	0	4	2	19
	8:30 AM	1	0	8	0	0	0	0	9	1	0	4	5	28
	8:45 AM	3	0	6	0	0	0	0	3	1	0	7	4	24
	VOLUMES	17	0	38	0	0	0	0	36	9	0	39	33	172
	APPROACH %	31%	0%	69%	0%	0%	0%	0%	80%	20%	0%	54%	46%	
APP/DEPART	55	/	33	0	/	9	45	/	74	72	/	56	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	9	0	24	0	0	0	0	18	4	0	19	15	89	
APPROACH %	27%	0%	73%	0%	0%	0%	0%	82%	18%	0%	56%	44%		
PEAK HR FACTOR	0.917			0.000			0.550			0.773			0.795	
APP/DEPART	33	/	15	0	/	4	22	/	42	34	/	28	0	
PM	4:00 PM	2	0	5	0	0	0	0	6	2	0	2	3	20
	4:15 PM	1	0	2	0	0	0	0	7	4	0	6	5	25
	4:30 PM	0	0	2	0	0	0	0	7	5	0	4	6	24
	4:45 PM	1	0	2	0	0	0	0	3	3	0	4	5	18
	5:00 PM	0	0	4	0	0	0	0	5	0	0	3	4	16
	5:15 PM	1	0	2	0	0	0	0	3	2	0	2	1	11
	5:30 PM	0	0	2	0	0	0	0	1	0	0	4	2	9
	5:45 PM	1	0	2	0	0	0	0	2	2	0	1	1	9
	VOLUMES	6	0	21	0	0	0	0	34	18	0	26	27	132
	APPROACH %	22%	0%	78%	0%	0%	0%	0%	65%	35%	0%	49%	51%	
APP/DEPART	27	/	27	0	/	18	52	/	55	53	/	32	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	4	0	11	0	0	0	0	23	14	0	16	19	87	
APPROACH %	27%	0%	73%	0%	0%	0%	0%	62%	38%	0%	46%	54%		
PEAK HR FACTOR	0.536			0.000			0.771			0.795			0.870	
APP/DEPART	15	/	19	0	/	14	37	/	34	35	/	20	0	

8	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
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0	0	0	0	0
0	0	0	0	0

2	0	0	0
0	0	0	0
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0	0	0	0
1	0	0	0
0	0	0	0
3	0	0	0

2	0	0	0
---	---	---	---



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 NB Ramps Foothill	PROJECT #: JN13149 LOCATION #: 2 CONTROL: SIGNAL
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CLASS 5: RV	NOTES:	AM PM MD OTHER	▲ N ◀ W E ▶ S ▼
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Foothill			Foothill			
	NL 1.5	NT X	NR 1.5	SL X	ST X	SR X	EL X	ET 3	ER 1	WL X	WT 3	WR 1	

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

RTOR			
NRR	SRR	ERR	WRR
0	X	X	X

AM	7:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	1	
	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	0	0	0	0	0	0	
	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	
	VOLUMES	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	APPROACH %	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	1	/	0	0	/	0	0	/	0	0	/	1	0	0	
BEGIN PEAK HR	7:00 AM														
VOLUMES	1	0	0	0	0	0	0	0	0	0	0	0	1		
APPROACH %	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
PEAK HR FACTOR	0.250			0.000			0.000			0.000			0.250		
APP/DEPART	1	/	0	0	/	0	0	/	0	0	/	1	0		
PM	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	0	
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	0	0	0	0	0	0	
	5:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	
	VOLUMES	0	0	1	0	0	0	0	0	0	0	0	0	1	
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
APP/DEPART	1	/	0	0	/	0	0	/	1	0	/	0	0		
BEGIN PEAK HR	4:30 PM														
VOLUMES	0	0	1	0	0	0	0	0	0	0	0	0	1		
APPROACH %	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
PEAK HR FACTOR	0.250			0.000			0.000			0.000			0.250		
APP/DEPART	1	/	0	0	/	0	0	/	1	0	/	0	0		

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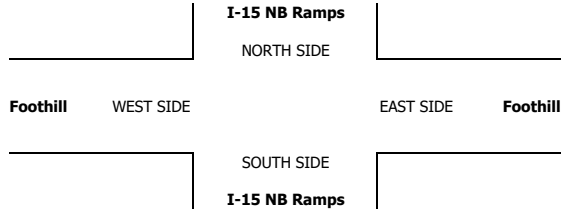
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0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 2 SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

LANES:	NORTHBOUND I-15 NB Ramps			SOUTHBOUND I-15 NB Ramps			EASTBOUND Foothill			WESTBOUND Foothill			TOTAL
	NL 1.5	NT X	NR 1.5	SL X	ST X	SR X	EL X	ET 3	ER 1	WL X	WT 3	WR 1	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	0	0	2	0	0	0	0	3	0	0	1	1	7
	7:15 AM	0	0	1	0	0	0	0	3	0	0	1	0	5
	7:30 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
	7:45 AM	1	0	0	0	0	0	0	1	0	0	1	0	3
	8:00 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
	8:15 AM	1	0	0	0	0	0	0	1	0	0	1	0	3
	8:30 AM	1	0	0	0	0	0	0	2	1	0	3	0	7
	8:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
	VOLUMES	3	0	3	0	0	0	0	13	1	0	11	1	32
	APPROACH %	50%	0%	50%	0%	0%	0%	0%	93%	7%	0%	92%	8%	
APP/DEPART	6	/	1	0	/	1	14	/	16	12	/	14	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	1	0	3	0	0	0	0	8	0	0	5	1	18	
APPROACH %	25%	0%	75%	0%	0%	0%	0%	100%	0%	0%	83%	17%		
PEAK HR FACTOR	0.500			0.000			0.667			0.750			0.643	
APP/DEPART	4	/	1	0	/	0	8	/	11	6	/	6	0	
PM	4:00 PM	0	0	0	0	0	0	1	0	0	2	0	3	
	4:15 PM	0	0	0	0	0	0	1	0	0	0	0	1	
	4:30 PM	0	0	0	0	0	0	1	1	0	2	0	4	
	4:45 PM	0	0	0	0	0	0	1	1	0	1	0	3	
	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	2	0	0	1	0	3	
	5:45 PM	0	0	0	0	0	0	1	0	0	2	0	3	
	VOLUMES	0	0	0	0	0	0	0	10	2	0	10	0	22
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	83%	17%	0%	100%	0%	
APP/DEPART	0	/	0	0	/	2	12	/	10	10	/	10	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	0	0	0	0	0	0	0	5	2	0	5	0	12	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	71%	29%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.000			0.875			0.625			0.750	
APP/DEPART	0	/	0	0	/	2	7	/	5	5	/	5	0	

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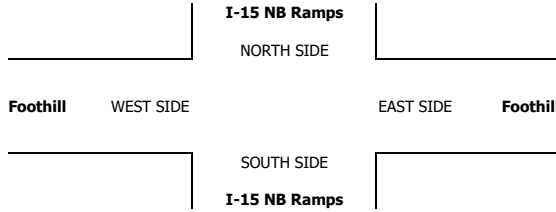
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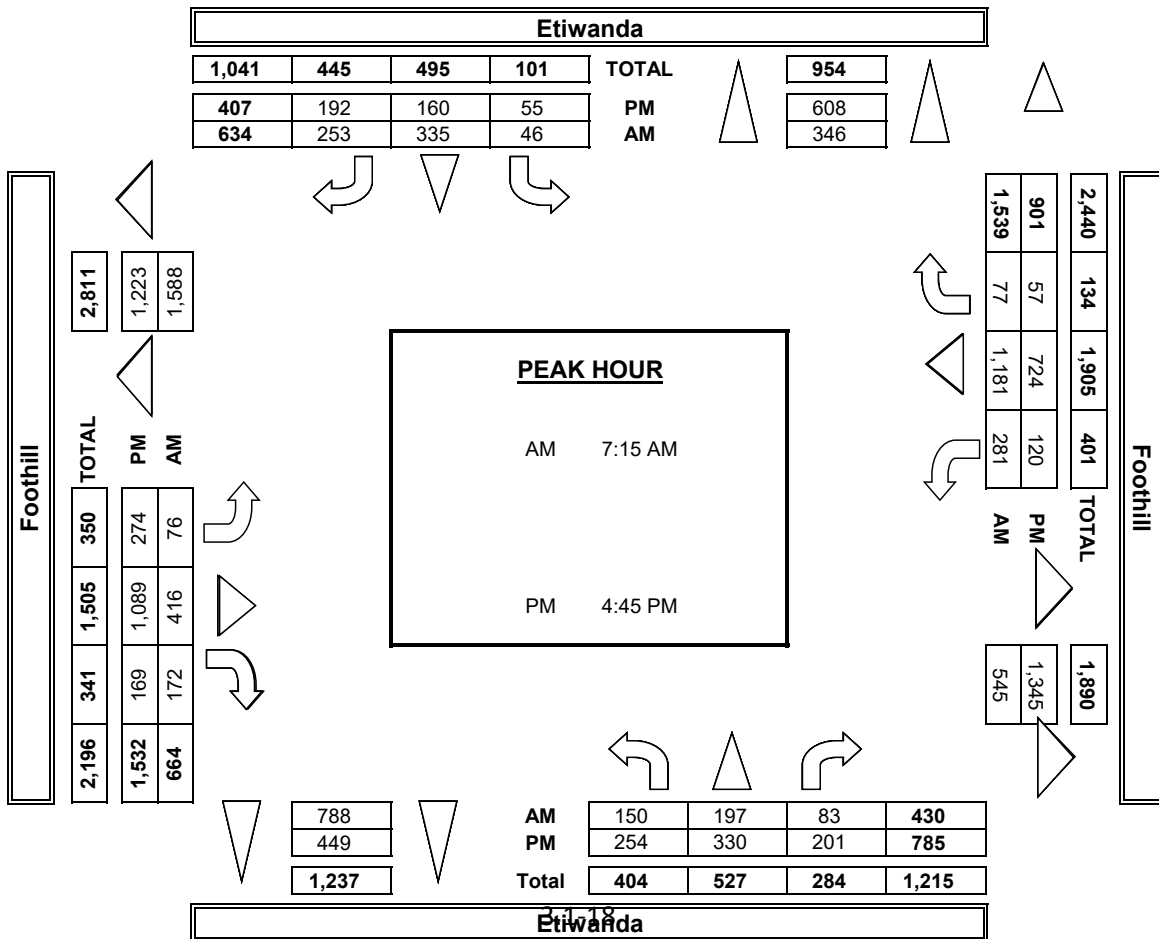
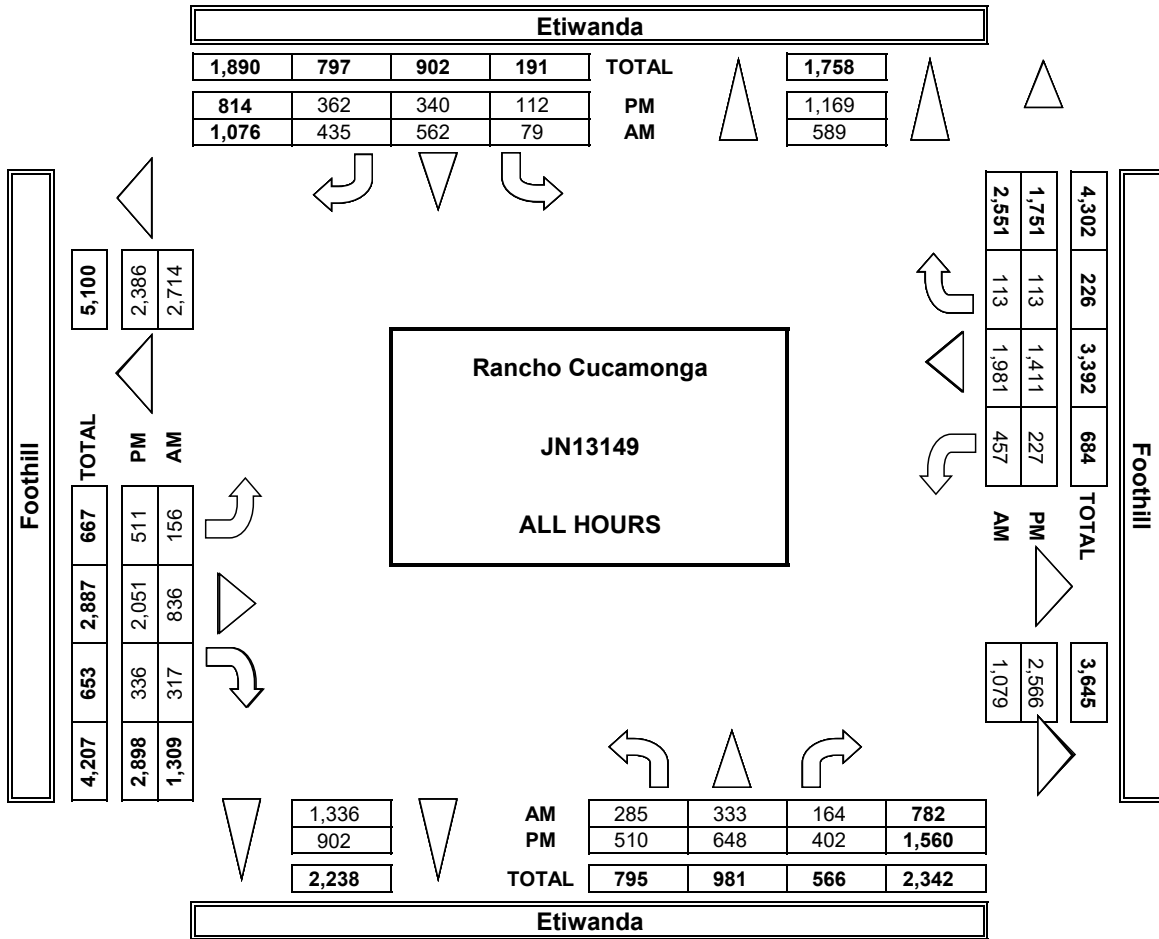
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0	0	0	0	0

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0	0	0	0
0	0	0	0

0	0	0	0
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AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: Foothill	Rancho Cucamonga Etiwanda Foothill	PROJECT #: JN13149 LOCATION #: 3 CONTROL: SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Foothill			Foothill			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
7:00 AM	35	33	16	9	60	47	12	76	30	49	218	17	602
7:15 AM	32	48	22	7	78	40	6	80	42	59	312	20	746
7:30 AM	25	45	16	9	74	55	20	80	24	88	293	21	750
7:45 AM	31	49	22	19	95	89	25	113	42	63	274	19	841
8:00 AM	25	46	16	11	74	68	19	106	28	67	231	13	704
8:15 AM	32	23	19	12	76	36	19	106	24	46	210	5	608
8:30 AM	19	24	16	5	39	46	19	92	24	37	190	7	518
8:45 AM	28	44	21	6	46	51	23	100	22	37	131	6	515
VOLUMES	227	312	148	78	542	432	143	753	236	446	1,859	108	5,284
APPROACH %	33%	45%	22%	7%	52%	41%	13%	67%	21%	18%	77%	4%	
APP/DEPART	687	/	550	1,052	/	1,224	1,132	/	979	2,413	/	2,531	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	113	188	76	46	321	252	66	379	136	277	1,110	73	3,041
APPROACH %	30%	50%	20%	7%	52%	41%	11%	65%	23%	19%	76%	5%	
PEAK HR FACTOR	0.924			0.762			0.813			0.908			0.904
APP/DEPART	377	/	327	619	/	734	585	/	501	1,460	/	1,479	0
4:00 PM	51	72	43	15	42	45	47	225	35	26	145	15	761
4:15 PM	62	72	34	17	33	38	51	246	35	28	199	20	835
4:30 PM	64	86	51	13	43	40	58	224	34	17	149	14	793
4:45 PM	46	78	48	10	39	53	65	275	33	31	216	16	910
5:00 PM	80	82	43	16	37	41	67	246	32	20	162	13	839
5:15 PM	59	73	62	11	36	40	65	240	40	34	169	12	841
5:30 PM	46	83	42	18	42	54	64	289	41	28	153	16	876
5:45 PM	50	80	64	11	37	41	69	226	34	28	160	5	805
VOLUMES	458	626	387	111	309	352	486	1,971	284	212	1,353	111	6,660
APPROACH %	31%	43%	26%	14%	40%	46%	18%	72%	10%	13%	81%	7%	
APP/DEPART	1,471	/	1,138	772	/	804	2,741	/	2,470	1,676	/	2,248	0
BEGIN PEAK HR	4:45 PM												
VOLUMES	231	316	195	55	154	188	216	1,050	146	113	700	57	3,466
APPROACH %	31%	43%	26%	14%	39%	47%	15%	72%	10%	13%	80%	7%	
PEAK HR FACTOR	0.905			0.871			0.924			0.827			0.952
APP/DEPART	742	/	589	397	/	413	1,457	/	1,300	870	/	1,164	0

U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	3	0	3
0	0	0	0	0
0	0	1	0	1
0	0	4	0	4
0	0	4	0	4
0	0	13	0	13

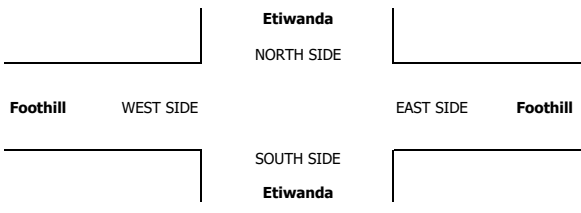
RTOR			
NRR	SRR	ERR	WRR
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8	4	17	2
11	9	10	3
5	6	14	7
11	15	8	3
11	5	4	1
13	18	4	1
8	9	4	0
73	73	73	21

35	34	49	15
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0	0	7	0	7
0	0	7	0	7
0	0	11	1	12
0	0	13	0	13
0	0	13	0	13
0	0	11	0	11
0	0	8	0	8
0	0	15	0	15
0	0	85	1	86

18	5	5	10
6	10	6	11
13	6	6	6
8	14	7	5
8	13	14	5
18	1	17	5
16	3	12	5
19	9	8	1
106	61	75	48

50	31	50	20
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Foothill	PROJECT #: JN13149 LOCATION #: 3 CONTROL: SIGNAL																
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:																		
			<table border="1"> <tr> <td>AM</td> <td></td> <td>▲</td> <td></td> </tr> <tr> <td>PM</td> <td>◀ W</td> <td>N</td> <td></td> </tr> <tr> <td>MD</td> <td></td> <td>▼</td> <td>E ▶</td> </tr> <tr> <td>OTHER</td> <td></td> <td>S</td> <td></td> </tr> </table>	AM		▲		PM	◀ W	N		MD		▼	E ▶	OTHER		S	
AM		▲																	
PM	◀ W	N																	
MD		▼	E ▶																
OTHER		S																	

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

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	2	2	0	0	0	0	2	5	0	0	4	0	15
	7:15 AM	4	0	0	0	2	0	0	3	5	0	16	1	31
	7:30 AM	3	1	1	0	1	0	1	6	4	1	4	0	22
	7:45 AM	4	2	0	0	2	0	2	3	3	0	9	0	25
	8:00 AM	1	1	0	0	2	1	0	4	2	2	13	3	29
	8:15 AM	2	2	2	0	0	0	1	4	4	1	6	0	22
	8:30 AM	0	2	1	0	2	1	1	4	2	1	8	0	22
	8:45 AM	1	1	0	1	2	0	3	6	4	2	10	0	30
	VOLUMES	17	11	4	1	11	2	10	35	24	7	70	4	196
	APPROACH %	53%	34%	13%	7%	79%	14%	14%	51%	35%	9%	86%	5%	
	APP/DEPART	32	/	25	14	/	42	69	/	40	81	/	89	0
	BEGIN PEAK HR	7:15 AM												
VOLUMES	12	4	1	0	7	1	3	16	14	3	42	4	107	
APPROACH %	71%	24%	6%	0%	88%	13%	9%	48%	42%	6%	86%	8%		
PEAK HR FACTOR	0.708			0.667			0.750			0.681			0.863	
APP/DEPART	17	/	11	8	/	24	33	/	17	49	/	55	0	
PM	4:00 PM	1	1	1	1	2	3	1	9	1	1	5	1	27
	4:15 PM	2	2	2	0	3	2	0	6	2	1	6	1	27
	4:30 PM	5	1	1	0	2	1	1	1	1	2	3	0	18
	4:45 PM	1	1	2	0	1	2	2	7	2	2	3	0	23
	5:00 PM	0	4	1	0	0	0	3	5	4	1	1	0	19
	5:15 PM	1	3	0	0	1	1	0	4	0	1	3	0	14
	5:30 PM	1	4	2	0	0	1	0	5	0	1	3	0	17
	5:45 PM	0	2	0	0	0	0	0	6	2	0	0	0	10
	VOLUMES	11	18	9	1	9	10	7	43	12	9	24	2	155
	APPROACH %	29%	47%	24%	5%	45%	50%	11%	69%	19%	26%	69%	6%	
	APP/DEPART	38	/	27	20	/	30	62	/	53	35	/	45	0
	BEGIN PEAK HR	4:00 PM												
VOLUMES	9	5	6	1	8	8	4	23	6	6	17	2	95	
APPROACH %	45%	25%	30%	6%	47%	47%	12%	70%	18%	24%	68%	8%		
PEAK HR FACTOR	0.714			0.708			0.750			0.781			0.880	
APP/DEPART	20	/	11	17	/	20	33	/	30	25	/	34	0	

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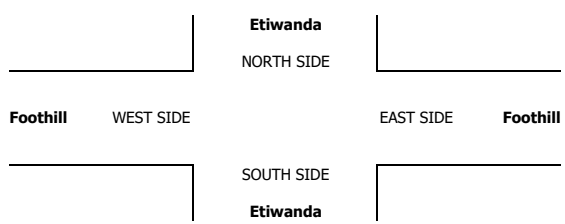
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1	0	6	1
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0	0	2	0
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0	0	1	0
0	2	4	1

0	2	1	1
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 3 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	AM PM MD OTHER	◀ W S ▶	▲ N ▼	E ▶
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LANES:	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>Foothill</small>			WESTBOUND <small>Foothill</small>			TOTAL
	NL 1	NT 1	NR 1	SL 1	ST 2	SR 0	EL 2	ET 2	ER 1	WL 2	WT 2	WR 1	

	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>Foothill</small>			WESTBOUND <small>Foothill</small>			TOTAL
	NL 1	NT 1	NR 1	SL 1	ST 2	SR 0	EL 2	ET 2	ER 1	WL 2	WT 2	WR 1	
7:00 AM	2	1	0	0	0	1	0	0	4	0	0	0	8
7:15 AM	1	0	1	0	0	0	1	1	0	0	0	0	4
7:30 AM	3	1	0	0	0	0	0	1	1	0	2	0	8
7:45 AM	1	0	0	0	2	0	0	0	1	0	0	0	4
8:00 AM	1	0	1	0	0	0	0	2	2	0	3	0	9
8:15 AM	0	0	1	0	1	0	0	2	2	0	0	0	6
8:30 AM	0	0	0	0	0	0	0	2	0	0	2	0	4
8:45 AM	1	2	1	0	0	0	0	2	1	0	0	0	7
VOLUMES	9	4	4	0	3	1	1	10	11	0	7	0	50
APPROACH %	53%	24%	24%	0%	75%	25%	5%	45%	50%	0%	100%	0%	
APP/DEPART	17	/	5	4	/	14	22	/	14	7	/	17	0
BEGIN PEAK HR	7:30 AM												
VOLUMES	5	1	2	0	3	0	0	5	6	0	5	0	27
APPROACH %	63%	13%	25%	0%	100%	0%	0%	45%	55%	0%	100%	0%	
PEAK HR FACTOR	0.500			0.375			0.688			0.417			0.750
APP/DEPART	8	/	1	3	/	9	11	/	7	5	/	10	0
4:00 PM	1	2	1	0	1	0	0	0	0	0	1	0	6
4:15 PM	1	0	1	0	6	0	0	0	2	1	0	0	11
4:30 PM	2	0	0	0	10	0	0	0	1	1	1	0	15
4:45 PM	2	0	0	0	2	0	0	0	0	1	0	0	5
5:00 PM	1	0	0	0	2	0	0	1	3	0	0	0	7
5:15 PM	1	1	0	0	0	0	0	0	1	0	0	0	3
5:30 PM	0	0	0	0	0	0	0	0	3	0	1	0	4
5:45 PM	1	0	0	0	0	0	0	0	2	0	0	0	3
VOLUMES	9	3	2	0	21	0	0	1	12	3	3	0	54
APPROACH %	64%	21%	14%	0%	100%	0%	0%	8%	92%	50%	50%	0%	
APP/DEPART	14	/	3	21	/	36	13	/	3	6	/	12	0
BEGIN PEAK HR	4:15 PM												
VOLUMES	6	0	1	0	20	0	0	1	6	3	1	0	38
APPROACH %	86%	0%	14%	0%	100%	0%	0%	14%	86%	75%	25%	0%	
PEAK HR FACTOR	0.875			0.500			0.438			0.500			0.633
APP/DEPART	7	/	0	20	/	29	7	/	2	4	/	7	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

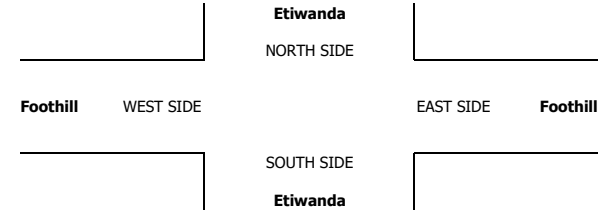
RTOR			
NRR	SRR	ERR	WRR
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0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
1	0	4	0

1	0	1	0
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0	0	0	0	0
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0	0	0	0
0	0	1	0
0	0	0	0
0	0	2	0
0	0	0	0
1	0	3	0

1	0	1	0
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INTERSECTION TURNING MOVEMENT COUNTS

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DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 3 SIGNAL
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CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	AM PM MD OTHER	← W	N S	E ▶
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Foothill			Foothill			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1	1	1	2	0	2	2	1	2	2	1	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	3	1	0	0	0	0	3	4	0	3	0	14	
	7:15 AM	4	1	0	0	0	0	1	1	8	0	5	20	
	7:30 AM	7	1	2	0	1	0	0	6	3	0	3	23	
	7:45 AM	5	0	2	0	0	0	0	0	4	0	6	17	
	8:00 AM	3	0	0	0	0	0	0	4	3	1	5	16	
	8:15 AM	1	0	0	0	0	0	0	2	8	0	4	16	
	8:30 AM	5	0	0	0	0	0	0	3	10	2	2	22	
	8:45 AM	4	0	4	0	0	0	0	5	6	1	6	26	
	VOLUMES	32	3	8	0	1	0	1	24	46	4	34	1	154
	APPROACH %	74%	7%	19%	0%	100%	0%	1%	34%	65%	10%	87%	3%	
APP/DEPART	43	/	5	1	/	51	71	/	32	39	/	66	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	13	0	4	0	0	0	0	14	27	4	17	1	80	
APPROACH %	76%	0%	24%	0%	0%	0%	0%	34%	66%	18%	77%	5%		
PEAK HR FACTOR	0.531			0.000			0.788			0.786			0.769	
APP/DEPART	17	/	1	0	/	31	41	/	18	22	/	30	0	
PM	4:00 PM	5	0	1	0	0	0	6	6	1	2	0	21	
	4:15 PM	4	0	0	0	0	0	1	5	0	5	0	15	
	4:30 PM	6	0	0	0	0	0	4	6	0	4	0	20	
	4:45 PM	7	0	1	0	0	0	4	2	0	2	0	16	
	5:00 PM	4	0	0	0	0	0	3	3	0	2	0	12	
	5:15 PM	2	1	0	0	0	0	3	5	1	1	0	13	
	5:30 PM	3	0	0	0	0	0	2	0	0	3	0	8	
	5:45 PM	1	0	2	0	0	0	4	1	1	2	0	11	
	VOLUMES	32	1	4	0	0	0	0	27	28	3	21	0	116
	APPROACH %	86%	3%	11%	0%	0%	0%	0%	49%	51%	13%	88%	0%	
APP/DEPART	37	/	1	0	/	31	55	/	31	24	/	53	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	22	0	2	0	0	0	0	15	19	1	13	0	72	
APPROACH %	92%	0%	8%	0%	0%	0%	0%	44%	56%	7%	93%	0%		
PEAK HR FACTOR	0.750			0.000			0.708			0.700			0.857	
APP/DEPART	24	/	0	0	/	20	34	/	17	14	/	35	0	

0	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

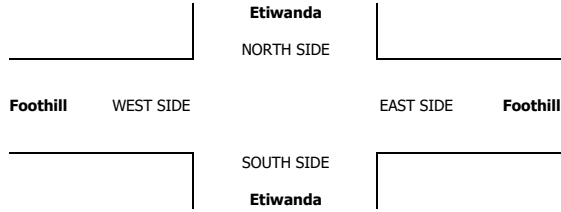
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0	0	0	0
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1	0	0	0
1	0	8	0

1	0	1	0
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0	0	0	0	0

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0	0	2	0
0	0	1	0
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0	0	0	0
0	0	0	0
0	0	1	0
0	0	0	0
0	0	1	0
0	0	9	0

0	0	6	0
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INTERSECTION TURNING MOVEMENT COUNTS

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DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 3 SIGNAL
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CLASS 5: RV	NOTES:	AM PM MD OTHER	▲ N ◀ W E ▶ S ▼
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Foothill			Foothill			
	NL 1	NT 1	NR 1	SL 1	ST 2	SR 0	EL 2	ET 2	ER 1	WL 2	WT 2	WR 1	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

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	0	0	0	0	0	0
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
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	0
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	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	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0
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	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	0
BEGIN PEAK HR	3:00 PM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0
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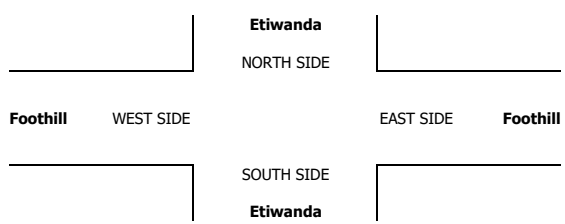
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0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Foothill	PROJECT #: LOCATION #: CONTROL:	JN13149 3 SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

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

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	0	1	0	0	0	0	4	0	0	1	0	6	
	7:15 AM	0	1	0	0	2	0	1	3	0	1	0	8	
	7:30 AM	0	1	0	0	2	0	0	1	0	0	2	6	
	7:45 AM	0	0	0	0	0	0	0	1	0	0	1	2	
	8:00 AM	0	0	0	0	0	0	0	1	0	0	1	2	
	8:15 AM	0	0	0	0	0	0	0	1	0	0	1	2	
	8:30 AM	0	0	0	0	0	0	0	2	0	0	3	5	
	8:45 AM	0	0	0	0	1	0	0	1	0	0	1	3	
	VOLUMES	0	3	0	0	5	0	1	14	0	0	11	0	34
	APPROACH %	0%	100%	0%	0%	100%	0%	7%	93%	0%	0%	100%	0%	
APP/DEPART	3	/	4	5	/	5	15	/	14	11	/	11	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	3	0	0	4	0	1	9	0	0	5	0	22	
APPROACH %	0%	100%	0%	0%	100%	0%	10%	90%	0%	0%	100%	0%		
PEAK HR FACTOR	0.750			0.500			0.625			0.625			0.688	
APP/DEPART	3	/	4	4	/	4	10	/	9	5	/	5	0	
PM	4:00 PM	0	0	0	0	0	0	1	0	0	2	0	3	
	4:15 PM	0	0	0	0	1	0	0	1	0	1	0	3	
	4:30 PM	0	0	0	0	0	0	0	1	0	0	1	2	
	4:45 PM	0	0	0	0	0	0	0	1	0	0	1	2	
	5:00 PM	0	0	0	0	0	0	0	2	0	0	1	3	
	5:15 PM	0	0	0	0	0	0	0	1	0	0	2	3	
	5:30 PM	0	0	0	0	0	0	0	1	0	0	1	2	
	5:45 PM	0	0	0	0	0	0	0	1	0	0	1	2	
	VOLUMES	0	0	0	0	1	0	0	9	0	0	10	0	20
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	1	/	1	9	/	9	10	/	10	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	0	0	0	0	0	0	0	5	0	0	5	0	10	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.000			0.625			0.625			0.833	
APP/DEPART	0	/	0	0	/	0	5	/	5	5	/	5	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
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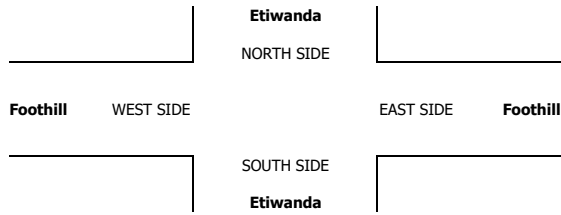
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0	0	0	0	0
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0	0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE:
Wed, Mar 11, 20

LOCATION:
NORTH & SOUTH:
EAST & WEST:

Rancho Cucamonga
Etiwanda
Arrow

PROJECT #: JN13149
LOCATION #: 4
CONTROL: SIGNAL

NOTES: [Diagram showing intersection layout with North, South, East, West, and Signal directions]

Add U-Turns to Left Turns

Summary table with columns: NORTHBOUND, SOUTHBOUND, EASTBOUND, WESTBOUND, TOTAL

U-TURNS table with columns: NB, SB, EB, WB, TTL

RTOR table with columns: NRR, SRR, ERR, WRR

AM VOLUMES table showing counts for 7:00 AM to 8:45 AM

U-TURNS table for AM period

RTOR table for AM period

AM VOLUMES table showing percentages and peak hour factors

U-TURNS table for AM period (continued)

RTOR table for AM period (continued)

PM VOLUMES table showing counts for 4:00 PM to 5:45 PM

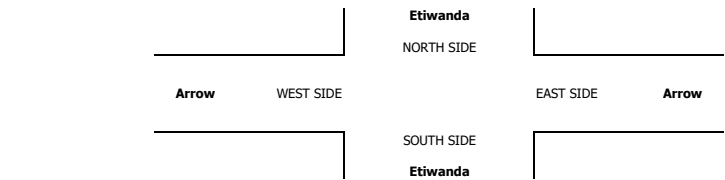
U-TURNS table for PM period

RTOR table for PM period

PM VOLUMES table showing percentages and peak hour factors

U-TURNS table for PM period (continued)

RTOR table for PM period (continued)



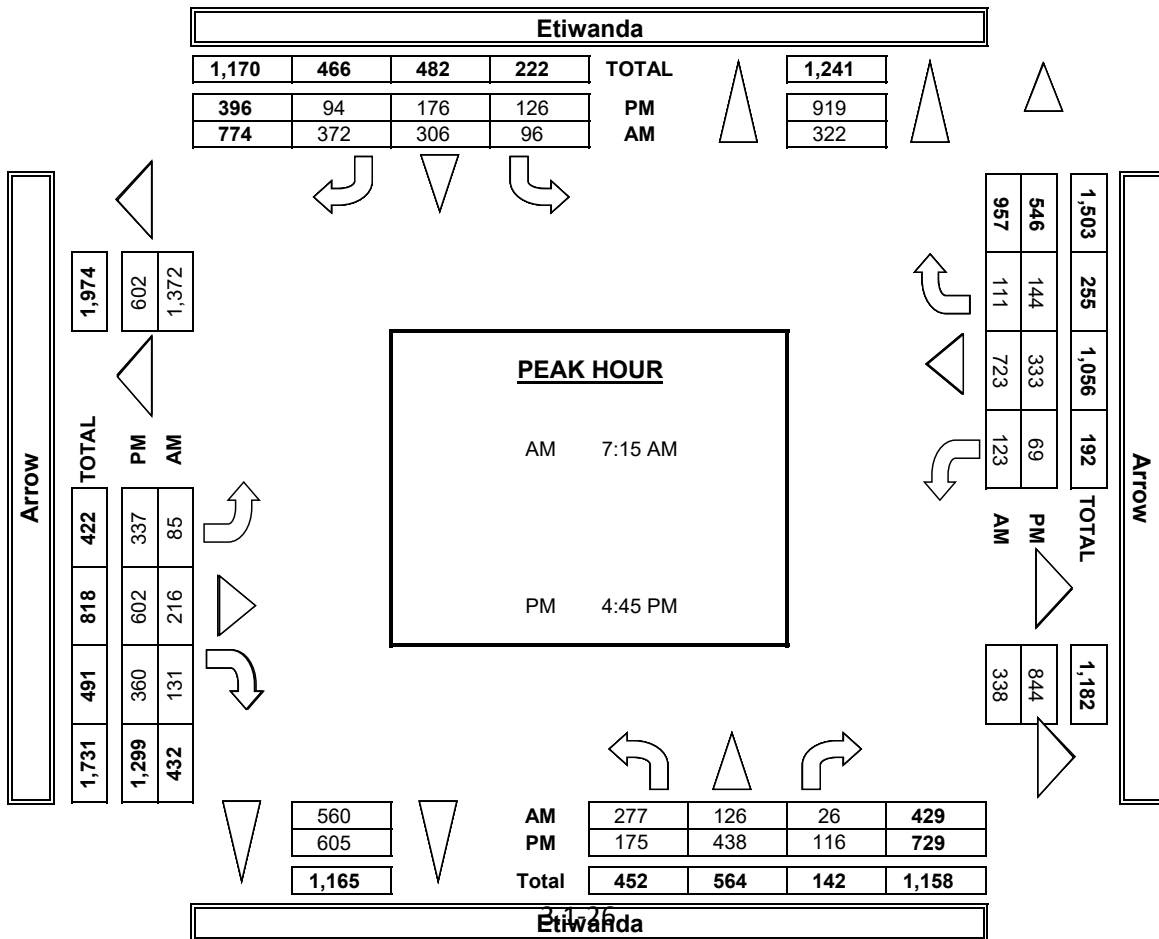
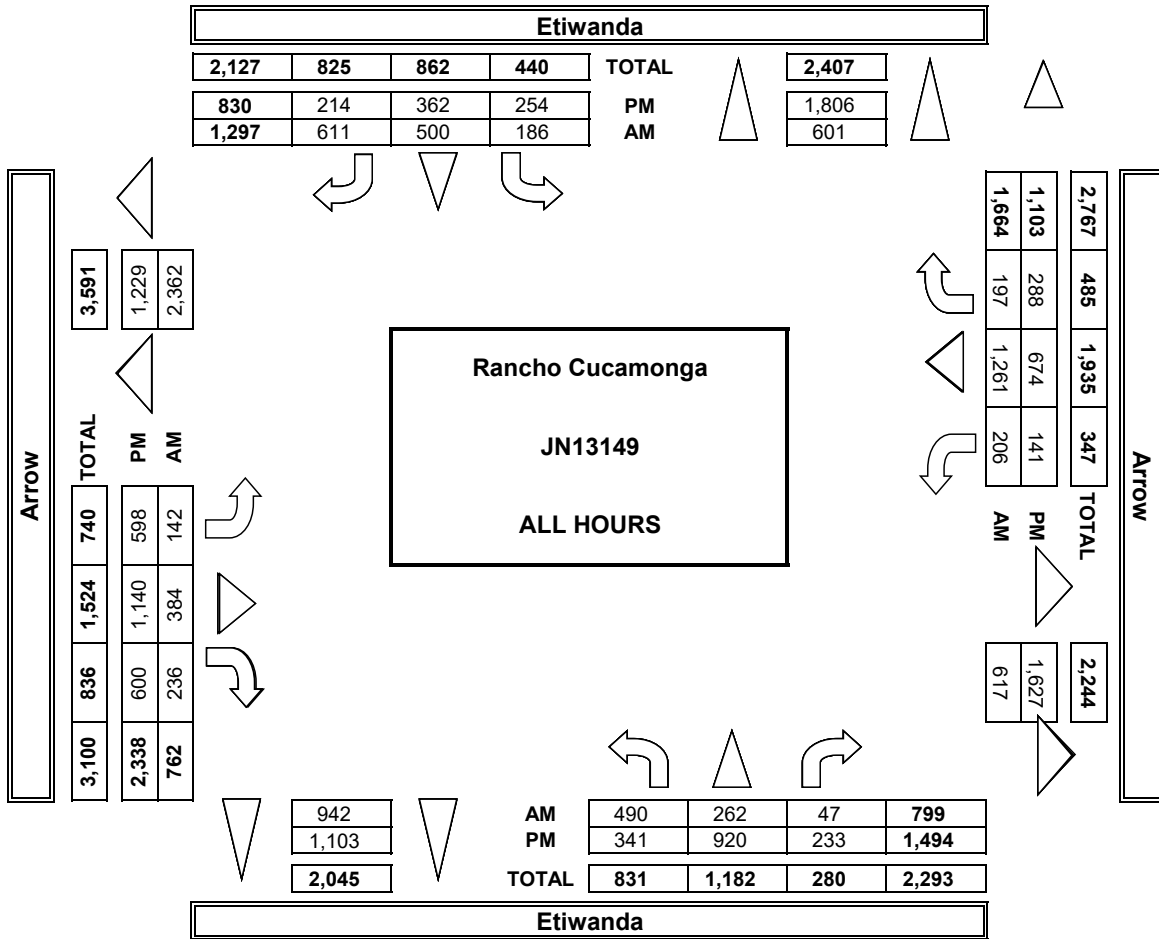
AM table for Ped and Bike crossings

ALL PED AND BIKE table with columns: E SIDE, W SIDE, S SIDE, N SIDE, TOTAL

PEDESTRIAN CROSSINGS table with columns: E SIDE, W SIDE, S SIDE, N SIDE, TOTAL

BICYCLE CROSSINGS table with columns: ES, WS, SS, NS, TOTAL

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Arrow	PROJECT #: JN13149	LOCATION #: 4	CONTROL: SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	
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LANES:	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>Arrow</small>			WESTBOUND <small>Arrow</small>			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 2	ET 1	ER 1	WL 2	WT 2	WR 0	
7:00 AM	20	15	5	19	50	65	13	35	15	21	134	25	417
7:15 AM	44	22	6	16	88	83	17	38	26	25	163	29	557
7:30 AM	75	28	3	14	73	89	15	48	22	39	227	24	657
7:45 AM	53	24	6	30	64	106	14	62	27	16	160	30	592
8:00 AM	57	31	9	32	53	73	23	51	19	25	137	20	530
8:15 AM	54	30	2	22	46	63	12	33	18	17	144	13	454
8:30 AM	56	30	3	19	30	51	11	40	17	13	108	20	398
8:45 AM	44	36	5	24	36	36	12	36	15	17	117	18	396
VOLUMES	403	216	39	176	440	566	117	343	159	173	1,190	179	4,001
APPROACH %	61%	33%	6%	15%	37%	48%	19%	55%	26%	11%	77%	12%	
APP/DEPART	658	/	512	1,182	/	772	619	/	558	1,542	/	2,159	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	229	105	24	92	278	351	69	199	94	105	687	103	2,336
APPROACH %	64%	29%	7%	13%	39%	49%	19%	55%	26%	12%	77%	12%	
PEAK HR FACTOR	0.844			0.901			0.879			0.772			0.889
APP/DEPART	358	/	277	721	/	477	362	/	315	895	/	1,267	0
4:00 PM	44	112	22	34	29	28	60	146	56	14	83	39	667
4:15 PM	31	111	21	35	36	25	63	121	48	18	68	29	606
4:30 PM	30	120	38	24	39	36	56	136	46	12	96	35	668
4:45 PM	40	101	28	22	35	30	78	141	57	16	90	32	670
5:00 PM	30	125	18	30	40	21	74	144	72	15	71	49	689
5:15 PM	35	92	18	36	42	18	104	135	84	18	93	32	707
5:30 PM	45	99	43	29	37	22	74	161	86	11	67	23	697
5:45 PM	36	110	28	25	34	20	70	119	40	19	78	30	609
VOLUMES	291	870	216	235	292	200	579	1,103	489	123	646	269	5,313
APPROACH %	21%	63%	16%	32%	40%	28%	27%	51%	23%	12%	62%	26%	
APP/DEPART	1,377	/	1,718	727	/	904	2,171	/	1,554	1,038	/	1,137	0
BEGIN PEAK HR	4:45 PM												
VOLUMES	150	417	107	117	154	91	330	581	299	60	321	136	2,763
APPROACH %	22%	62%	16%	32%	43%	25%	27%	48%	25%	12%	62%	26%	
PEAK HR FACTOR	0.901			0.943			0.937			0.904			0.977
APP/DEPART	674	/	883	362	/	513	1,210	/	805	517	/	562	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
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0	0	0	0	0
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0	0	0	0	0
0	0	0	0	0

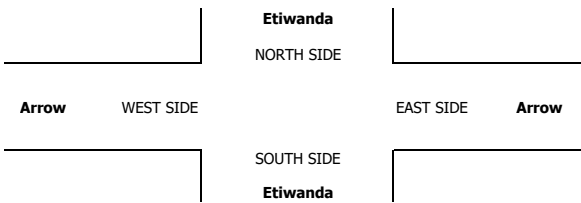
RTOR			
NRR	SRR	ERR	WRR
0	0	0	0
1	33	5	4
2	32	5	4
2	41	8	5
2	47	13	2
7	28	6	1
0	31	6	4
0	20	12	2
1	18	3	2
15	250	58	24

13	148	32	12
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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
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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

11	13	25	0
6	8	21	2
4	17	10	4
8	16	22	8
5	9	24	15
6	11	24	2
13	13	26	1
8	4	13	2
61	91	165	34

32	49	96	26
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: Rancho Cucamonga NORTH & SOUTH: Etiwanda EAST & WEST: Arrow	PROJECT #: JN13149 LOCATION #: 4 CONTROL: SIGNAL	
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:		

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

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	3	3	0	0	0	1	0	2	3	2	3	1	18
	7:15 AM	2	1	0	1	2	5	2	2	0	1	3	0	19
	7:30 AM	4	2	0	0	2	3	1	7	3	3	5	2	32
	7:45 AM	5	1	0	0	3	2	0	0	0	2	8	1	22
	8:00 AM	2	1	0	0	4	3	0	3	3	2	4	1	23
	8:15 AM	3	3	1	0	2	2	1	5	1	0	2	0	20
	8:30 AM	4	1	1	0	5	1	1	4	4	3	9	1	34
	8:45 AM	2	3	3	2	5	1	0	7	3	2	8	0	36
	VOLUMES	25	15	5	3	23	18	5	30	17	15	42	6	204
	APPROACH %	56%	33%	11%	7%	52%	41%	10%	58%	33%	24%	67%	10%	
APP/DEPART	45	/	26	44	/	55	52	/	38	63	/	85	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	11	8	5	2	16	7	2	19	11	7	23	2	113	
APPROACH %	46%	33%	21%	8%	64%	28%	6%	59%	34%	22%	72%	6%		
PEAK HR FACTOR	0.750			0.781			0.800			0.615			0.785	
APP/DEPART	24	/	12	25	/	34	32	/	26	32	/	41	0	
PM	4:00 PM	3	2	1	4	1	1	3	1	3	2	6	1	28
	4:15 PM	4	4	1	0	4	1	0	4	5	2	1	2	28
	4:30 PM	0	1	0	1	4	1	0	3	3	0	1	2	16
	4:45 PM	0	1	5	1	4	0	0	5	3	1	1	1	22
	5:00 PM	1	2	0	2	0	0	0	3	4	0	2	1	15
	5:15 PM	2	4	0	0	0	0	1	1	1	1	2	1	13
	5:30 PM	4	3	1	1	3	1	1	4	8	1	4	1	32
	5:45 PM	1	2	1	1	1	1	1	2	1	1	1	0	13
	VOLUMES	15	19	9	10	17	5	6	23	28	8	18	9	167
	APPROACH %	35%	44%	21%	31%	53%	16%	11%	40%	49%	23%	51%	26%	
APP/DEPART	43	/	34	32	/	53	57	/	42	35	/	38	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	7	8	7	6	13	3	3	13	14	5	9	6	94	
APPROACH %	32%	36%	32%	27%	59%	14%	10%	43%	47%	25%	45%	30%		
PEAK HR FACTOR	0.611			0.917			0.833			0.556			0.839	
APP/DEPART	22	/	17	22	/	32	30	/	26	20	/	19	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

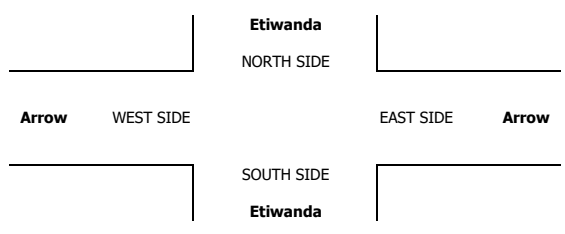
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0	3	2	0
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0	0	4	0
1	0	1	0
2	7	11	1

2	3	8	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	1	1	0
0	1	2	0
0	1	2	0
2	0	2	0
0	0	0	0
0	0	0	0
0	0	0	0
0	1	3	0
1	0	0	0
3	4	10	0

2	3	7	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Arrow	PROJECT #: LOCATION #: CONTROL:	JN13149 4 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	AM		▲	N		
		PM					
		MD	◀	W		E	▶
		OTHER			▼	S	

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

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	1	2	0	1	2	1	0	0	1	0	1	0	9
	7:15 AM	4	3	0	0	0	0	0	0	1	0	0	0	8
	7:30 AM	0	2	1	1	0	1	1	0	0	1	2	0	9
	7:45 AM	2	1	0	1	1	0	0	1	1	0	2	0	9
	8:00 AM	8	1	0	0	0	1	0	0	2	1	0	0	13
	8:15 AM	5	0	1	0	2	1	0	2	0	1	2	0	14
	8:30 AM	2	0	0	0	0	0	0	1	2	0	1	0	6
	8:45 AM	0	3	0	0	0	1	0	1	1	1	1	1	9
	VOLUMES	22	12	2	3	5	5	1	5	8	4	9	1	77
	APPROACH %	61%	33%	6%	23%	38%	38%	7%	36%	57%	29%	64%	7%	
APP/DEPART	36	/	14	13	/	17	14	/	10	14	/	36	0	
BEGIN PEAK HR	7:30 AM													
VOLUMES	15	4	2	2	3	3	1	3	3	3	6	0	45	
APPROACH %	71%	19%	10%	25%	38%	38%	14%	43%	43%	33%	67%	0%		
PEAK HR FACTOR	0.583			0.667			0.875			0.750			0.804	
APP/DEPART	21	/	5	8	/	9	7	/	7	9	/	24	0	
PM	4:00 PM	1	2	1	1	0	1	0	0	5	0	1	1	13
	4:15 PM	1	1	1	1	11	0	0	1	10	0	1	0	27
	4:30 PM	1	3	0	0	12	0	2	1	9	0	1	0	29
	4:45 PM	0	1	0	0	1	0	0	1	4	1	0	0	8
	5:00 PM	1	0	0	1	3	1	0	0	6	2	0	0	14
	5:15 PM	1	2	1	1	0	0	0	0	6	2	0	2	15
	5:30 PM	0	1	0	1	2	0	0	1	4	1	0	0	10
	5:45 PM	2	1	0	1	3	0	0	0	0	1	0	0	8
	VOLUMES	7	11	3	6	32	2	2	4	44	7	3	3	124
	APPROACH %	33%	52%	14%	15%	80%	5%	4%	8%	88%	54%	23%	23%	
APP/DEPART	21	/	16	40	/	83	50	/	13	13	/	12	0	
BEGIN PEAK HR	4:15 PM													
VOLUMES	3	5	1	2	27	1	2	3	29	3	2	0	78	
APPROACH %	33%	56%	11%	7%	90%	3%	6%	9%	85%	60%	40%	0%		
PEAK HR FACTOR	0.563			0.625			0.708			0.625			0.672	
APP/DEPART	9	/	7	30	/	59	34	/	6	5	/	6	0	

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

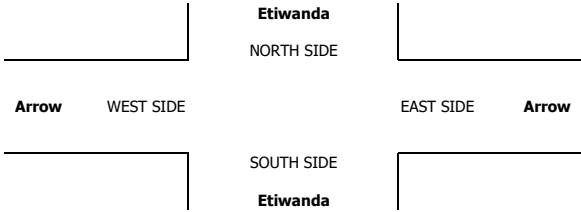
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1	0	0	0
0	0	0	0
0	0	0	0
0	1	0	0
0	0	1	0
0	0	0	0
1	1	1	0

1	1	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

0	1	1	0
1	0	1	0
0	0	1	0
0	0	0	0
0	0	3	0
1	0	1	1
0	0	1	0
0	0	0	0
2	1	8	1

1	0	5	0
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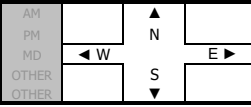


INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Arrow	PROJECT #: LOCATION #: CONTROL:	JN13149 4 SIGNAL
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CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	1	1	2	1	2	1	1	2	2	0	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	5	3	0	0	1	4	0	0	3	2	5	2	25
	7:15 AM	3	3	0	1	4	2	4	1	7	1	5	1	32
	7:30 AM	6	3	0	0	3	1	1	2	4	5	2	1	28
	7:45 AM	6	3	1	0	4	1	3	0	7	0	2	1	28
	8:00 AM	4	0	0	0	2	2	4	1	8	2	1	0	24
	8:15 AM	2	2	0	1	3	4	1	0	10	3	1	0	27
	8:30 AM	8	3	0	2	7	3	2	1	2	0	1	1	30
	8:45 AM	4	2	0	0	4	5	4	0	9	1	0	3	32
	VOLUMES	38	19	1	4	28	22	19	5	50	14	17	9	226
	APPROACH %	66%	33%	2%	7%	52%	41%	26%	7%	68%	35%	43%	23%	
APP/DEPART	58	/	47	54	/	92	74	/	10	40	/	77	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	18	7	0	3	16	14	11	2	29	6	3	4	113	
APPROACH %	72%	28%	0%	9%	48%	42%	26%	5%	69%	46%	23%	31%		
PEAK HR FACTOR	0.568			0.688			0.808			0.813			0.883	
APP/DEPART	25	/	22	33	/	51	42	/	5	13	/	35	0	
PM	4:00 PM	3	3	0	0	3	3	1	0	4	0	2	2	21
	4:15 PM	1	4	2	0	3	2	0	2	4	1	1	1	21
	4:30 PM	3	2	0	1	4	0	5	1	3	1	0	1	21
	4:45 PM	5	4	0	1	2	0	1	2	6	0	0	2	23
	5:00 PM	6	1	2	0	2	1	1	0	4	0	2	0	19
	5:15 PM	4	1	0	1	5	0	2	2	8	0	1	0	24
	5:30 PM	1	1	0	0	0	0	1	1	7	0	0	0	11
	5:45 PM	5	4	1	0	1	1	0	1	3	1	0	1	18
	VOLUMES	28	20	5	3	20	7	11	9	39	3	6	7	158
	APPROACH %	53%	38%	9%	10%	67%	23%	19%	15%	66%	19%	38%	44%	
APP/DEPART	53	/	38	30	/	62	59	/	17	16	/	41	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	18	8	2	3	13	1	9	5	21	1	3	3	87	
APPROACH %	64%	29%	7%	18%	76%	6%	26%	14%	60%	14%	43%	43%		
PEAK HR FACTOR	0.778			0.708			0.729			0.875			0.906	
APP/DEPART	28	/	20	17	/	35	35	/	10	7	/	22	0	

0	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

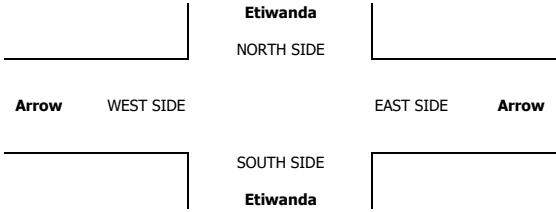
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0	1	1	0
0	1	4	0
0	2	3	0
0	3	1	0
0	2	1	0
0	4	4	1
0	0	0	0
0	16	15	1

0	11	9	1
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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

0	2	1	1
1	0	2	0
0	0	2	0
0	0	3	0
0	1	2	0
0	0	3	0
0	0	2	0
0	0	0	0
1	3	15	1

0	1	10	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: Rancho Cucamonga NORTH & SOUTH: Etiwanda EAST & WEST: Arrow	PROJECT #: JN13149 LOCATION #: 4 CONTROL: SIGNAL
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CLASS 5: RV	NOTES:	AM PM	▲ N ▼ S	← W E →	
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 2	ET 1	ER 1	WL 2	WT 2	WR 0	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	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
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	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
	8:15 AM	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
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	
PM	4:00 PM	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
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	
BEGIN PEAK HR	3:00 PM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	0	0	0	0	0	0	0	0	0	0	0	

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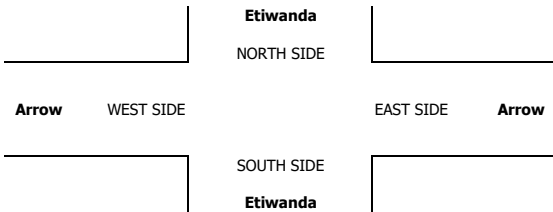
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0	0	0	0
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0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Arrow	PROJECT #: LOCATION #: CONTROL:	JN13149 4 SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

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

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

RTOR			
NRR 0	SRR 0	ERR 0	WRR 0

AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	1
	7:15 AM	1	0	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	1	0	0	0	2	0	0	0	0	0	1	1	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	1	0	2
	8:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	1	0	0	1	0	0	1	0	3
	VOLUMES	2	0	0	0	4	0	0	1	2	0	3	2	14
	APPROACH %	100%	0%	0%	0%	100%	0%	0%	33%	67%	0%	60%	40%	
APP/DEPART	2	/	2	4	/	6	3	/	1	5	/	5	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	2	0	0	0	3	0	0	0	1	0	2	1	9	
APPROACH %	100%	0%	0%	0%	100%	0%	0%	0%	100%	0%	67%	33%		
PEAK HR FACTOR	0.500			0.375			0.250			0.375			0.450	
APP/DEPART	2	/	1	3	/	4	1	/	0	3	/	4	0	
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
	VOLUMES	0	0	0	0	1	0	0	1	0	0	1	0	3
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	1	/	1	1	/	1	1	/	1	0	
BEGIN PEAK HR	5:00 PM													
VOLUMES	0	0	0	0	0	0	0	1	0	0	1	0	2	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.000			0.250			0.250			0.500	
APP/DEPART	0	/	0	0	/	0	1	/	1	1	/	1	0	

0	0	0	0	0
0	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

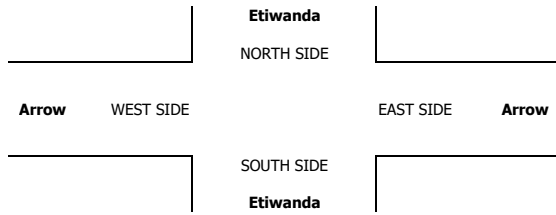
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	1

0	0	0	0
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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
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: Wed, Mar 11, 20

LOCATION: NORTH & SOUTH: EAST & WEST:

Rancho Cucamonga Etiwanda 6th

PROJECT #: JN13149 LOCATION #: 5 CONTROL: STOP E

NOTES: [Diagram showing intersection layout with North, South, East, and West sides, and a legend for movement types: AP, PM, MD, OTHER, OTHER.]

Add U-Turns to Left Turns

Table with columns for Northbound, Southbound, Eastbound, Westbound, and Total, with sub-columns for lanes (NL, NT, NR, SL, ST, SR, EL, ET, ER, WL, WT, WR).

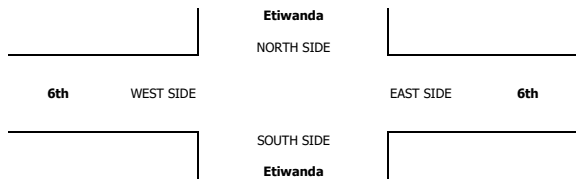
U-TURNS table with columns NB, SB, EB, WB, TTL.

RTOR table with columns NRR, SRR, ERR, WRR.

Main data table with rows for AM (7:00-8:45) and PM (4:00-5:45) periods, including VOLUMES, APPROACH %, APP/DEPART, BEGIN PEAK HR, and PEAK HR FACTOR.

U-TURNS table for AM and PM periods.

RTOR table for AM and PM periods.



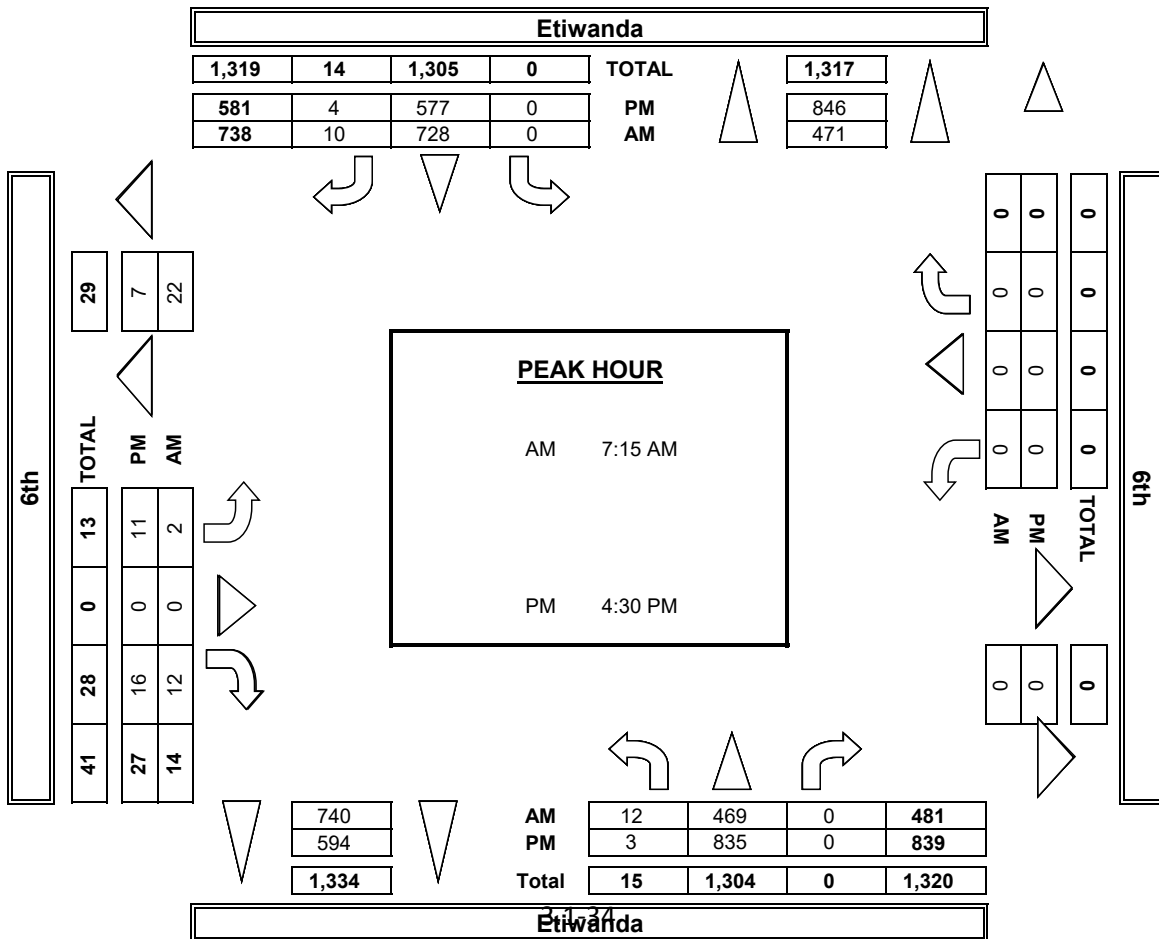
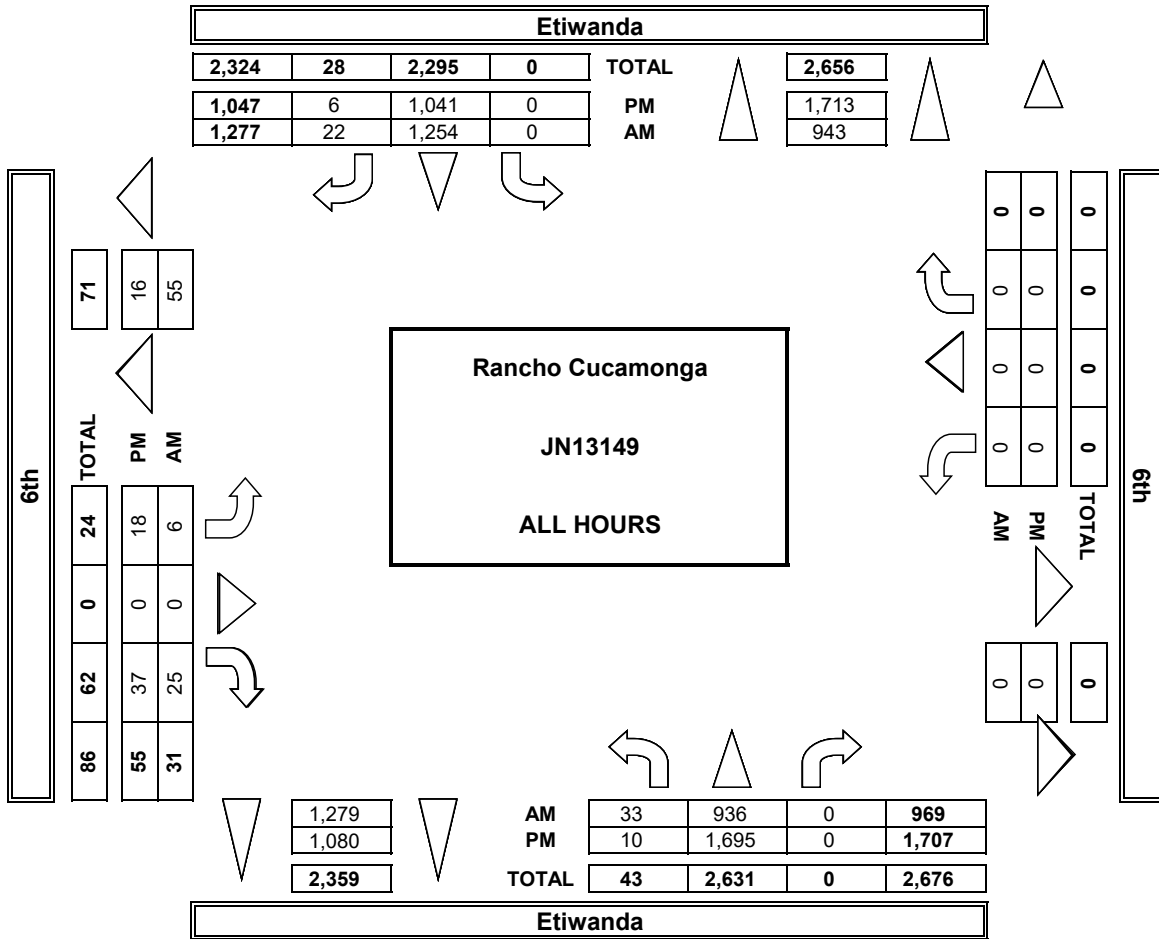
Summary table for AM and PM periods.

ALL PED AND BIKE table with columns E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

PEDESTRIAN CROSSINGS table with columns E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

BICYCLE CROSSINGS table with columns ES, WS, SS, NS, TOTAL.

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: 6th	Rancho Cucamonga Etiwanda 6th	PROJECT #: JN13149 LOCATION #: 5 CONTROL: STOP E
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	▲ N ← W E → S ▼
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	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>6th</small>			WESTBOUND <small>6th</small>			TOTAL
	NL 1	NT 2	NR X	SL X	ST 2	SR 0	EL 1	ET X	ER 1	WL X	WT X	WR X	
7:00 AM	2	56	0	0	104	3	0	0	0	0	0	0	165
7:15 AM	2	73	0	0	147	3	0	0	0	0	0	0	225
7:30 AM	3	83	0	0	170	1	0	0	2	0	0	0	259
7:45 AM	0	91	0	0	141	2	0	0	0	0	0	0	234
8:00 AM	1	95	0	0	104	2	1	0	0	0	0	0	203
8:15 AM	2	101	0	0	112	3	1	0	1	0	0	0	220
8:30 AM	2	82	0	0	78	1	1	0	0	0	0	0	164
8:45 AM	4	85	0	0	76	3	0	0	2	0	0	0	170
VOLUMES	16	666	0	0	932	18	3	0	5	0	0	0	1,641
APPROACH %	2%	98%	0%	0%	98%	2%	38%	0%	63%	0%	0%	0%	
APP/DEPART	682	/	670	951	/	937	8	/	0	0	/	34	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	6	342	0	0	562	8	1	0	2	0	0	0	921
APPROACH %	2%	98%	0%	0%	99%	1%	33%	0%	67%	0%	0%	0%	
PEAK HR FACTOR	0.906			0.833			0.375			0.000			0.889
APP/DEPART	348	/	343	570	/	564	3	/	0	0	/	14	0
4:00 PM	1	185	0	0	88	0	1	0	5	0	0	0	280
4:15 PM	1	194	0	0	101	0	2	0	10	0	0	0	308
4:30 PM	2	193	0	0	110	1	5	0	8	0	0	0	319
4:45 PM	0	185	0	0	104	1	3	0	4	0	0	0	297
5:00 PM	1	181	0	0	114	1	2	0	1	0	0	0	300
5:15 PM	0	180	0	0	138	0	0	0	0	0	0	0	318
5:30 PM	2	182	0	0	98	0	1	0	1	0	0	0	284
5:45 PM	0	198	0	0	87	0	2	0	0	0	0	0	287
VOLUMES	7	1,498	0	0	840	3	16	0	29	0	0	0	2,395
APPROACH %	0%	99%	0%	0%	100%	0%	36%	0%	64%	0%	0%	0%	
APP/DEPART	1,507	/	1,514	843	/	871	45	/	0	0	/	10	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	3	739	0	0	466	3	10	0	13	0	0	0	1,235
APPROACH %	0%	99%	0%	0%	99%	1%	43%	0%	57%	0%	0%	0%	
PEAK HR FACTOR	0.953			0.850			0.442			0.000			0.968
APP/DEPART	743	/	749	469	/	480	23	/	0	0	/	6	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	1	0	0	1
0	1	0	0	1

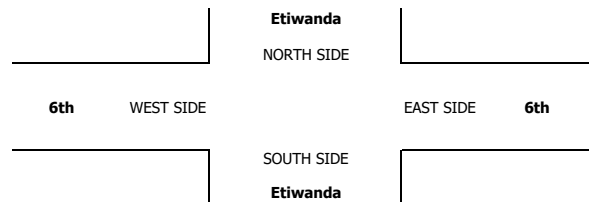
RTOR			
NRR	SRR	ERR	WRR
X	X	X	X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

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
1	0	0	0	1
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
1	0	0	0	1
2	0	0	0	2

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

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: 6th	PROJECT #: JN13149 LOCATION #: 5 CONTROL: STOP E
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CLASS 3: 3-AXLE TRUCKS	NOTES:	<table border="1" style="margin: auto;"> <tr> <td style="border: none;">AM</td> <td style="border: none;">▲</td> <td style="border: none;">N</td> </tr> <tr> <td style="border: none;">PM</td> <td style="border: none;">◀</td> <td style="border: none;">W</td> </tr> <tr> <td style="border: none;">MD</td> <td style="border: none;">E</td> <td style="border: none;">▶</td> </tr> <tr> <td style="border: none;">OTHER</td> <td style="border: none;">▼</td> <td style="border: none;">S</td> </tr> <tr> <td style="border: none;">OTHER</td> <td style="border: none;">▼</td> <td style="border: none;">S</td> </tr> </table>	AM	▲	N	PM	◀	W	MD	E	▶	OTHER	▼	S	OTHER	▼	S
AM	▲	N															
PM	◀	W															
MD	E	▶															
OTHER	▼	S															
OTHER	▼	S															

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			6th			6th			
LANES:	NL 1	NT 2	NR X	SL X	ST 2	SR 0	EL 1	ET X	ER 1	WL X	WT X	WR X	
AM													
7:00 AM	0	10	0	0	9	0	0	0	0	0	0	0	19
7:15 AM	0	12	0	0	14	0	0	0	0	0	0	0	26
7:30 AM	0	5	0	0	13	0	0	0	0	0	0	0	18
7:45 AM	0	13	0	0	7	0	0	0	0	0	0	0	20
8:00 AM	0	13	0	0	12	0	0	0	1	0	0	0	26
8:15 AM	0	9	0	0	11	0	0	0	0	0	0	0	20
8:30 AM	0	11	0	0	11	0	0	0	0	0	0	0	22
8:45 AM	0	19	0	0	11	0	0	0	0	0	0	0	30
VOLUMES	0	92	0	0	88	0	0	0	1	0	0	0	181
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	
APP/DEPART	92	/	92	88	/	89	1	/	0	0	/	0	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	0	52	0	0	45	0	0	0	1	0	0	0	98
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	
PEAK HR FACTOR	0.684			0.938			0.250			0.000			0.817
APP/DEPART	52	/	52	45	/	46	1	/	0	0	/	0	0
PM													
4:00 PM	0	14	0	0	11	0	0	0	0	0	0	0	25
4:15 PM	0	6	0	0	7	0	0	0	0	0	0	0	13
4:30 PM	0	5	0	0	10	1	0	0	0	0	0	0	16
4:45 PM	0	11	0	0	18	0	0	0	1	0	0	0	30
5:00 PM	0	7	0	0	16	0	0	0	0	0	0	0	23
5:15 PM	0	8	0	0	13	0	0	0	0	0	0	0	21
5:30 PM	0	3	0	0	8	0	0	0	0	0	0	0	11
5:45 PM	0	8	0	0	14	0	0	0	0	0	0	0	22
VOLUMES	0	62	0	0	97	1	0	0	1	0	0	0	161
APPROACH %	0%	100%	0%	0%	99%	1%	0%	0%	100%	0%	0%	0%	
APP/DEPART	62	/	62	98	/	98	1	/	0	0	/	1	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	0	31	0	0	57	1	0	0	1	0	0	0	90
APPROACH %	0%	100%	0%	0%	98%	2%	0%	0%	100%	0%	0%	0%	
PEAK HR FACTOR	0.705			0.806			0.250			0.000			0.750
APP/DEPART	31	/	31	58	/	58	1	/	0	0	/	1	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

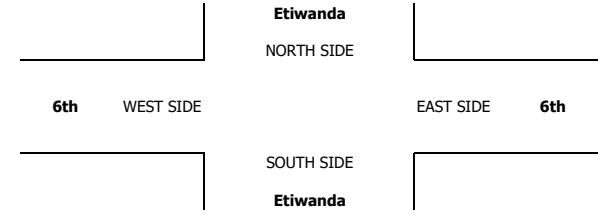
RTOR			
NRR	SRR	ERR	WRR
X	X	X	X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

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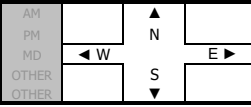


INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda 6th	PROJECT #: LOCATION #: CONTROL:	JN13149 5 STOP E
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CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	X	X	2	0	1	X	1	X	X	X	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	X	X

AM	7:00 AM	1	18	0	0	21	0	0	0	1	0	0	0	41
	7:15 AM	3	12	0	0	14	0	1	0	3	0	0	0	33
	7:30 AM	1	12	0	0	22	0	0	0	1	0	0	0	36
	7:45 AM	0	12	0	0	20	2	0	0	1	0	0	0	35
	8:00 AM	0	20	0	0	22	0	0	0	1	0	0	0	43
	8:15 AM	2	10	0	0	24	0	0	0	2	0	0	0	38
	8:30 AM	2	24	0	0	17	1	0	0	4	0	0	0	48
	8:45 AM	3	17	0	0	22	0	0	0	2	0	0	0	44
	VOLUMES	12	125	0	0	162	3	1	0	15	0	0	0	318
	APPROACH %	9%	91%	0%	0%	98%	2%	6%	0%	94%	0%	0%	0%	
APP/DEPART	137	/	126	165	/	177	16	/	0	0	/	15	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	7	71	0	0	85	1	0	0	9	0	0	0	173	
APPROACH %	9%	91%	0%	0%	99%	1%	0%	0%	100%	0%	0%	0%		
PEAK HR FACTOR	0.750			0.896			0.563			0.000			0.901	
APP/DEPART	78	/	71	86	/	94	9	/	0	0	/	8	0	
PM	4:00 PM	0	12	0	0	7	0	0	0	1	0	0	0	20
	4:15 PM	0	16	0	0	8	0	0	0	0	0	0	0	24
	4:30 PM	0	10	0	0	6	0	1	0	0	0	0	0	17
	4:45 PM	0	9	0	0	12	0	0	0	0	0	0	0	21
	5:00 PM	0	15	0	0	1	0	0	0	0	0	0	0	16
	5:15 PM	0	8	0	0	12	0	0	0	0	0	0	0	20
	5:30 PM	2	8	0	0	7	0	0	0	1	0	0	0	18
	5:45 PM	0	17	0	0	8	0	0	0	0	0	0	0	25
	VOLUMES	2	95	0	0	61	0	1	0	2	0	0	0	161
	APPROACH %	2%	98%	0%	0%	100%	0%	33%	0%	67%	0%	0%	0%	
APP/DEPART	97	/	96	61	/	63	3	/	0	0	/	2	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	47	0	0	33	0	1	0	1	0	0	0	82	
APPROACH %	0%	100%	0%	0%	100%	0%	50%	0%	50%	0%	0%	0%		
PEAK HR FACTOR	0.734			0.688			0.500			0.000			0.854	
APP/DEPART	47	/	48	33	/	34	2	/	0	0	/	0	0	

0	0	0	0	0
0	0	0	0	0
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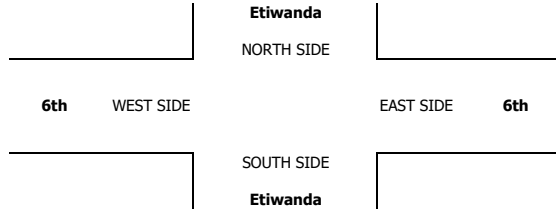
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda 6th	PROJECT #: JN13149	LOCATION #: 5	CONTROL: STOP E
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CLASS 5: RV	NOTES:	AM		▲	
		PM		N	
		MD	◀ W		E ▶
		OTHER		S	
		OTHER		▼	

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

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

RTOR			
NRR	SRR	ERR	WRR
X	X	X	X

AM	7:00 AM													
	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	0	0	0	0	0	0	
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	
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
PM	4:00 PM													
	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	
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0		
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0		
BEGIN PEAK HR	3:00 PM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	

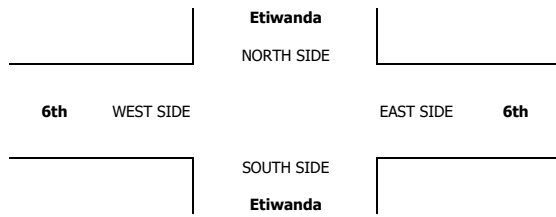
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda 6th	PROJECT #: LOCATION #: CONTROL:	JN13149 5 STOP E
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N E ▶ S ▼
BUSES		◀ W	

LANES:	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND 6th			WESTBOUND 6th			TOTAL
	NL 1	NT 2	NR X	SL X	ST 2	SR 0	EL 1	ET X	ER 1	WL X	WT X	WR X	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR X	SRR X	ERR X	WRR X

AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	8:15 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	VOLUMES	0	2	0	0	6	0	0	0	0	0	0	0	8
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	2	/	2	6	/	6	0	/	0	0	/	0	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	0	2	0	0	4	0	0	0	0	0	0	0	6	
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.500			1.000			0.000			0.000			0.750	
APP/DEPART	2	/	2	4	/	4	0	/	0	0	/	0	0	
PM	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	1	0	0	0	0	0	0	0	1
	APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	0	/	0	1	/	1	0	/	0	0	/	0	0	
BEGIN PEAK HR	3:30 PM													
VOLUMES	0	0	0	0	1	0	0	0	0	0	0	0	1	
APPROACH %	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.000			0.250			0.000			0.000			0.250	
APP/DEPART	0	/	0	1	/	1	0	/	0	0	/	0	0	

0	0	0	0	0
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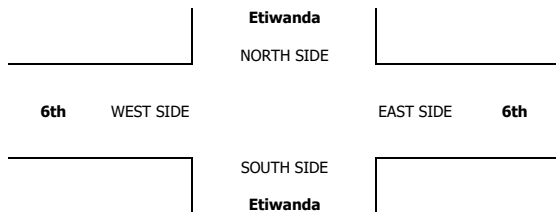
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INTERSECTION TURNING MOVEMENT COUNTS

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

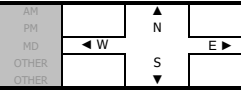
DATE:
Wed, Mar 11, 20

LOCATION:
NORTH & SOUTH:
EAST & WEST:

Rancho Cucamonga
Etiwanda
San Bernardino

PROJECT #: JN13149
LOCATION #: 6
CONTROL: SIGNAL

NOTES:



Add U-Turns to Left Turns

Table with 5 main columns: NORTHBOUND, SOUTHBOUND, EASTBOUND, WESTBOUND, and TOTAL. Each column lists lane types (NL, NT, NR, SL, ST, SR, EL, ET, ER, WL, WT, WR) and lane counts.

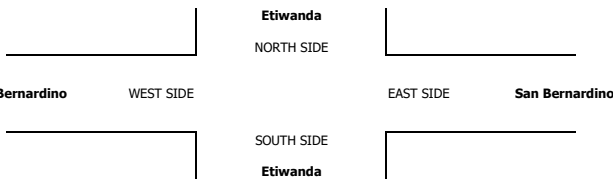
U-TURNS table with columns: NB, SB, EB, WB, TTL.

RTOR table with columns: NRR, SRR, ERR, WRR.

Main data table showing traffic volumes and percentages for AM and PM peak hours, broken down by approach and departure. Includes rows for BEGIN PEAK HR and PEAK HR FACTOR.

U-TURNS table for AM and PM peaks.

RTOR table for AM and PM peaks.



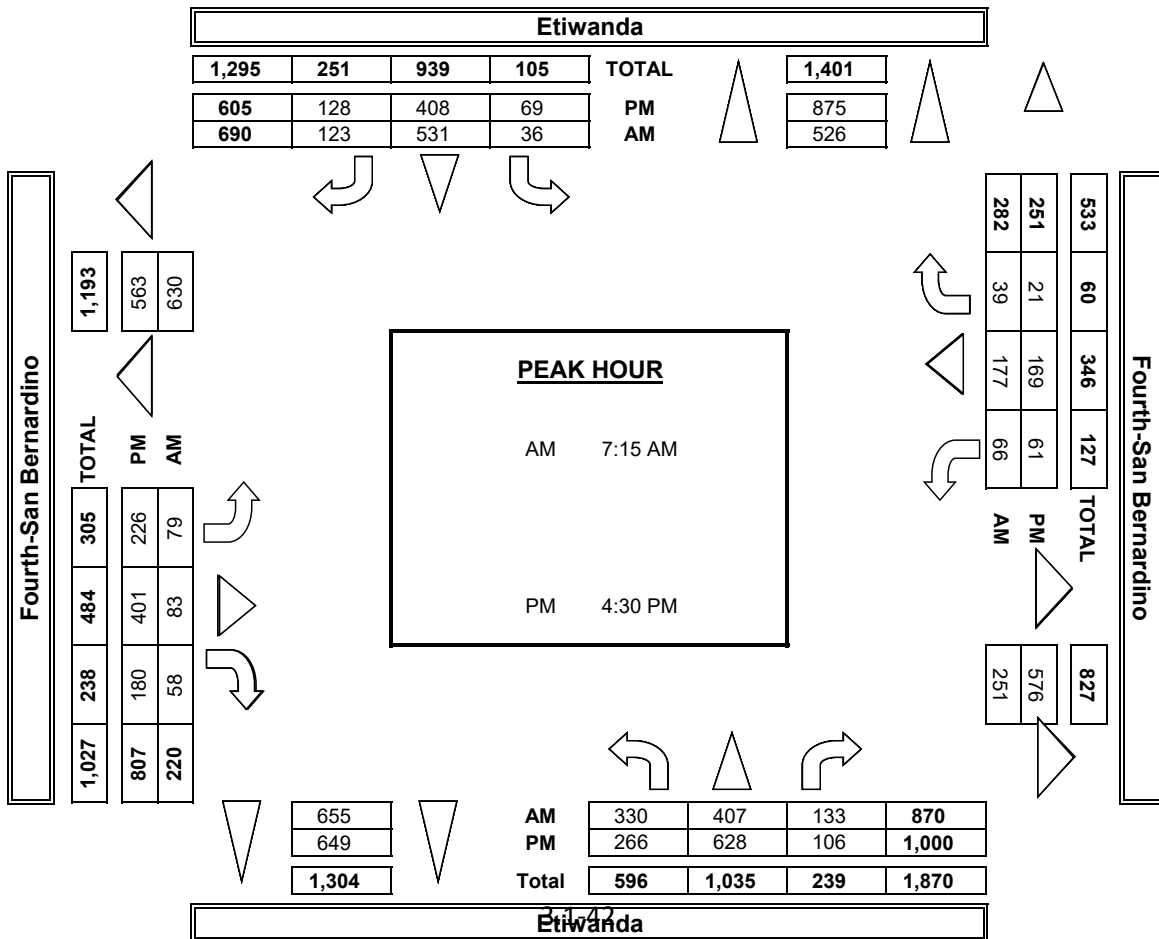
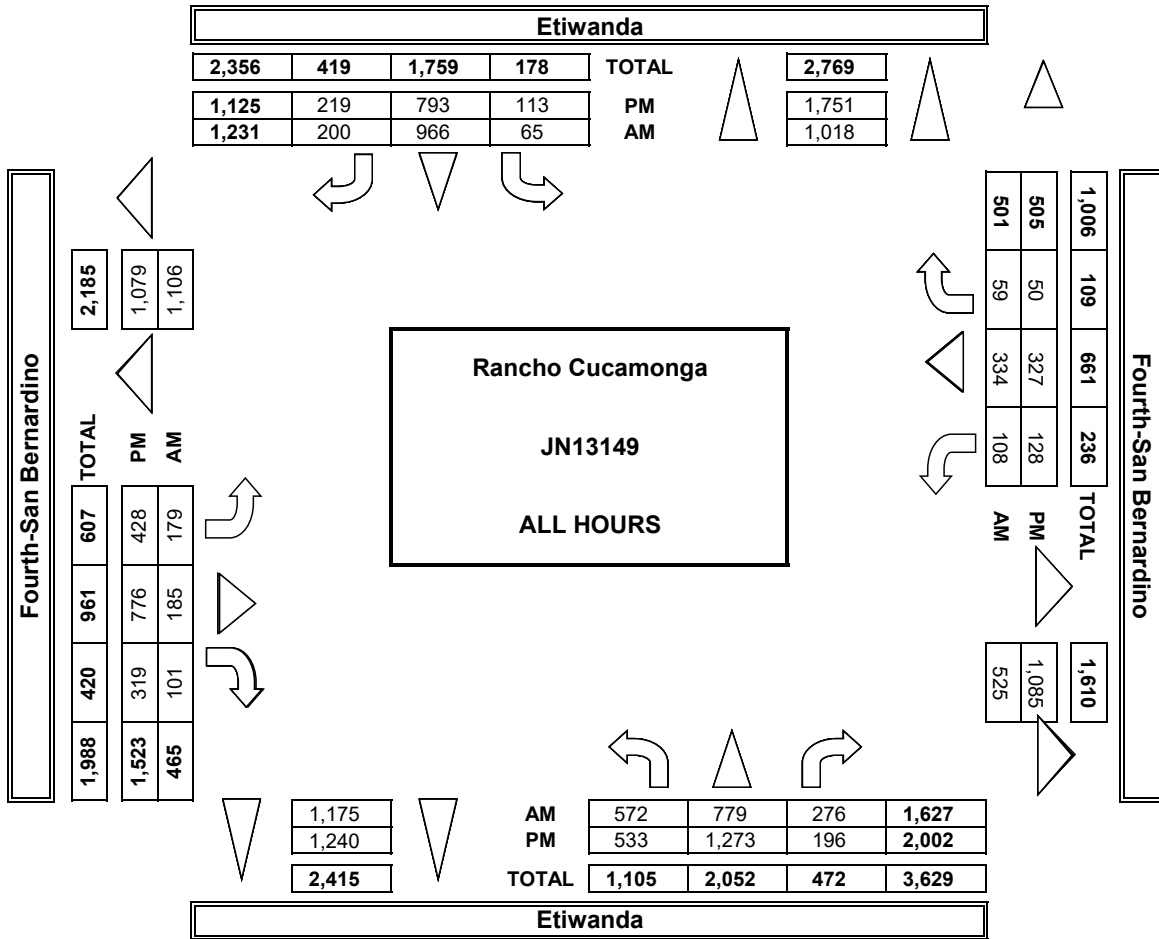
Summary table for Ped and Bike crossings, showing counts for AM and PM.

ALL PED AND BIKE table with columns: E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

PEDESTRIAN CROSSINGS table with columns: E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

BICYCLE CROSSINGS table with columns: ES, WS, SS, NS, TOTAL.

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda San Bernardino	PROJECT #: LOCATION #: CONTROL:	JN13149 6 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AP	▲ N	▶			
		PM			◀ W		
		MD				S	
		OTHER					▶ E
		OTHER					

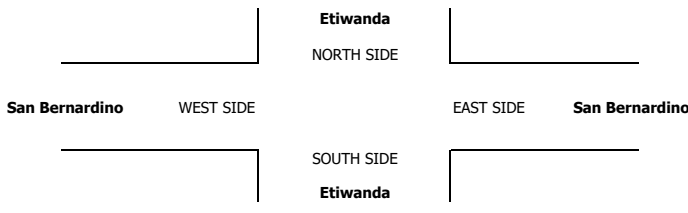
LANES:	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>San Bernardino</small>			WESTBOUND <small>San Bernardino</small>			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	

U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	1	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	1

RTOR			
NRR	SRR	ERR	WRR
X	0	0	0
0	4	5	2
0	6	2	2
0	7	6	2
0	16	5	3
0	11	4	0
0	6	3	3
0	5	6	2
0	6	3	0
0	61	34	14

7:00 AM	65	79	35	6	65	14	32	14	9	5	27	4	355	
7:15 AM	72	81	25	7	84	17	15	20	5	10	29	9	374	
7:30 AM	77	88	35	6	92	16	19	17	13	10	47	8	428	
7:45 AM	82	71	31	4	99	40	18	11	10	14	50	7	437	
8:00 AM	69	58	27	5	95	26	13	11	10	6	26	3	349	
8:15 AM	54	59	32	4	89	17	21	17	4	5	26	4	332	
8:30 AM	45	55	28	6	77	14	17	13	6	3	28	4	296	
8:45 AM	50	54	35	5	61	13	17	25	6	8	40	1	315	
VOLUMES	514	545	248	43	662	157	152	128	63	61	273	40	2,886	
APPROACH %	39%	42%	19%	5%	77%	18%	44%	37%	18%	16%	73%	11%		
APP/DEPART	1,307	/	738	862	/	786	343	/	418	374	/	944	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	296	319	126	22	340	87	84	62	37	39	153	28	1,594	
APPROACH %	40%	43%	17%	5%	76%	19%	46%	34%	20%	18%	70%	13%		
PEAK HR FACTOR	0.926			0.787			0.832			0.775			0.912	
APP/DEPART	741	/	432	450	/	416	183	/	210	220	/	536	0	
4:00 PM	61	126	20	3	91	29	51	90	39	17	35	7	569	
4:15 PM	59	131	17	8	71	23	45	84	24	19	30	3	514	
4:30 PM	68	147	25	5	65	27	46	82	35	17	29	3	549	
4:45 PM	63	137	21	9	76	25	46	89	24	11	35	4	540	
5:00 PM	63	130	22	9	126	44	55	113	48	10	43	4	667	
5:15 PM	58	124	15	5	73	23	65	87	31	6	37	5	529	
5:30 PM	68	143	21	2	69	17	48	79	28	11	37	10	533	
5:45 PM	56	155	17	3	69	17	42	86	27	9	37	4	522	
VOLUMES	496	1,093	158	44	640	205	398	710	256	100	283	40	4,423	
APPROACH %	28%	63%	9%	5%	72%	23%	29%	52%	19%	24%	67%	9%		
APP/DEPART	1,747	/	1,531	889	/	996	1,364	/	912	423	/	984	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	252	538	83	28	340	119	212	371	138	44	144	16	2,285	
APPROACH %	29%	62%	10%	6%	70%	24%	29%	51%	19%	22%	71%	8%		
PEAK HR FACTOR	0.909			0.680			0.834			0.895			0.856	
APP/DEPART	873	/	766	487	/	522	721	/	482	204	/	515	0	

0	33	18	9
0	12	14	3
0	8	11	2
0	23	19	2
0	17	8	2
0	27	18	1
0	16	15	2
0	11	11	7
0	12	13	3
0	126	109	22
0	83	60	7



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda San Bernardino	PROJECT #: LOCATION #: CONTROL:	JN13149 6 SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2	1	2	2	1	2	2	1	2	1.5	0.5	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	0	0

AM	7:00 AM	0	8	0	1	5	0	1	2	2	0	1	0	20
	7:15 AM	1	5	0	0	9	4	1	3	2	2	3	1	31
	7:30 AM	2	5	0	0	12	4	1	1	2	2	1	0	30
	7:45 AM	2	6	2	0	7	1	1	3	2	0	2	3	29
	8:00 AM	5	3	1	4	11	3	0	4	1	2	1	0	35
	8:15 AM	4	6	0	1	10	2	1	5	2	3	2	0	36
	8:30 AM	3	6	0	2	9	2	0	1	1	2	2	0	28
	8:45 AM	3	7	0	1	8	2	2	2	1	2	1	1	30
	VOLUMES	20	46	3	9	71	18	7	21	13	13	13	5	239
	APPROACH %	29%	67%	4%	9%	72%	18%	17%	51%	32%	42%	42%	16%	
APP/DEPART	69	/	58	98	/	97	41	/	33	31	/	51	0	
BEGIN PEAK HR	7:30 AM													
VOLUMES	13	20	3	5	40	10	3	13	7	7	6	3	130	
APPROACH %	36%	56%	8%	9%	73%	18%	13%	57%	30%	44%	38%	19%		
PEAK HR FACTOR	0.900			0.764			0.719			0.800			0.903	
APP/DEPART	36	/	26	55	/	54	23	/	21	16	/	29	0	
PM	4:00 PM	1	3	2	1	5	2	3	5	0	1	1	0	24
	4:15 PM	3	5	0	0	3	1	1	3	1	0	0	0	17
	4:30 PM	1	3	0	2	4	3	1	3	0	3	2	1	23
	4:45 PM	4	5	1	1	4	0	2	2	3	1	0	0	23
	5:00 PM	0	6	2	0	6	1	0	2	2	1	0	0	20
	5:15 PM	1	5	0	2	4	0	1	1	1	1	1	2	19
	5:30 PM	0	4	1	0	9	0	1	1	1	0	0	1	18
	5:45 PM	3	5	0	1	3	0	1	0	4	0	0	1	18
	VOLUMES	13	36	6	7	38	7	10	17	12	7	4	5	162
	APPROACH %	24%	65%	11%	13%	73%	13%	26%	44%	31%	44%	25%	31%	
APP/DEPART	55	/	51	52	/	57	39	/	30	16	/	24	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	9	16	3	4	16	6	7	13	4	5	3	1	87	
APPROACH %	32%	57%	11%	15%	62%	23%	29%	54%	17%	56%	33%	11%		
PEAK HR FACTOR	0.700			0.722			0.750			0.375			0.906	
APP/DEPART	28	/	24	26	/	25	24	/	20	9	/	18	0	

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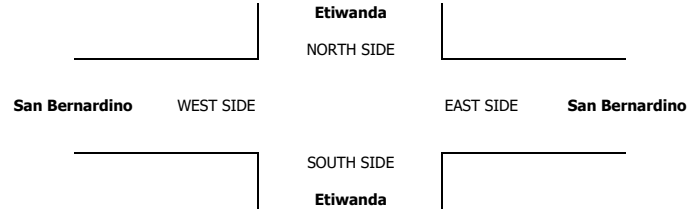
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0	4	7	1

0	4	1	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: San Bernardino	Rancho Cucamonga Etiwanda San Bernardino	PROJECT #: LOCATION #: CONTROL:	JN13149 6 SIGNAL																				
CLASS 3: 3-AXLE TRUCKS	NOTES:	<table border="1"> <tr> <td>AM</td> <td></td> <td>▲</td> <td></td> </tr> <tr> <td>PM</td> <td></td> <td>N</td> <td></td> </tr> <tr> <td>MD</td> <td>◀ W</td> <td></td> <td>E ▶</td> </tr> <tr> <td>OTHER</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> <td>▼</td> <td></td> </tr> </table>			AM		▲		PM		N		MD	◀ W		E ▶	OTHER		S		OTHER		▼	
AM		▲																						
PM		N																						
MD	◀ W		E ▶																					
OTHER		S																						
OTHER		▼																						

LANES:	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND San Bernardino			WESTBOUND San Bernardino			TOTAL
	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 1.5	WR 0.5	
7:00 AM	1	4	0	1	7	2	1	0	1	0	0	0	17
7:15 AM	0	8	0	2	13	1	0	0	0	0	2	1	27
7:30 AM	3	7	2	1	12	2	0	1	0	0	0	1	29
7:45 AM	2	14	0	3	6	1	1	0	3	1	0	1	32
8:00 AM	1	5	2	0	10	2	3	1	3	0	0	0	27
8:15 AM	2	10	0	0	8	1	1	0	0	0	1	0	23
8:30 AM	0	12	0	0	11	0	1	1	3	1	1	0	30
8:45 AM	0	9	1	0	14	1	0	2	1	1	0	1	30
VOLUMES	9	69	5	7	81	10	7	5	11	3	4	4	215
APPROACH %	11%	83%	6%	7%	83%	10%	30%	22%	48%	27%	36%	36%	
APP/DEPART	83	/	80	98	/	95	23	/	17	11	/	23	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	6	34	4	6	41	6	4	2	6	1	2	3	115
APPROACH %	14%	77%	9%	11%	77%	11%	33%	17%	50%	17%	33%	50%	
PEAK HR FACTOR	0.688			0.828			0.429			0.500			0.898
APP/DEPART	44	/	41	53	/	48	12	/	12	6	/	14	0
4:00 PM	2	7	1	4	5	0	1	4	0	1	0	0	25
4:15 PM	1	6	0	9	10	0	3	3	0	0	0	0	32
4:30 PM	0	7	2	3	6	0	1	2	1	1	2	0	25
4:45 PM	0	9	1	10	7	1	1	1	4	0	2	0	36
5:00 PM	0	4	0	5	6	0	1	2	2	1	1	1	23
5:15 PM	1	4	1	15	7	0	1	1	2	2	0	0	34
5:30 PM	2	2	2	3	7	1	1	2	0	0	1	0	21
5:45 PM	0	2	1	6	6	1	0	0	1	0	0	0	17
VOLUMES	6	41	8	55	54	3	9	15	10	5	6	1	213
APPROACH %	11%	75%	15%	49%	48%	3%	26%	44%	29%	42%	50%	8%	
APP/DEPART	55	/	51	112	/	69	34	/	78	12	/	15	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	1	24	4	33	26	1	4	6	9	4	5	1	118
APPROACH %	3%	83%	14%	55%	43%	2%	21%	32%	47%	40%	50%	10%	
PEAK HR FACTOR	0.725			0.682			0.792			0.833			0.819
APP/DEPART	29	/	29	60	/	39	19	/	43	10	/	7	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
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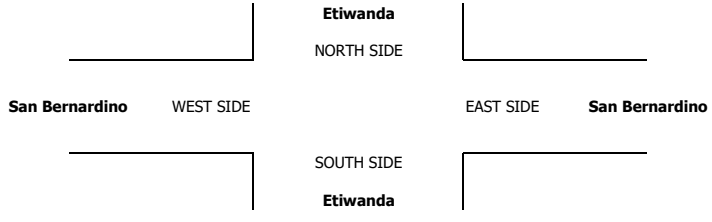
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NRR	SRR	ERR	WRR
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0	1	0	0
0	7	5	0

0	5	3	0
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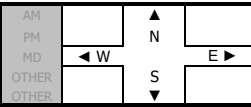


INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda San Bernardino	PROJECT #: LOCATION #: CONTROL:	JN13149 6 SIGNAL
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CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2	1	2	2	1	2	2	1	2	1.5	0.5	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	0	0

AM	7:00 AM	1	8	1	0	15	4	0	3	2	2	3	0	39
	7:15 AM	2	10	1	1	20	1	2	3	2	5	4	2	53
	7:30 AM	3	14	3	0	21	2	2	0	2	2	0	3	52
	7:45 AM	4	15	1	3	15	0	2	3	0	7	2	0	52
	8:00 AM	5	17	3	0	23	2	1	2	3	5	6	0	67
	8:15 AM	6	21	1	1	19	1	2	3	0	5	8	0	67
	8:30 AM	4	17	6	0	19	1	1	3	2	1	6	3	63
	8:45 AM	4	16	4	1	17	2	3	6	3	4	8	2	70
	VOLUMES	29	118	20	6	149	13	13	23	14	31	37	10	463
	APPROACH %	17%	71%	12%	4%	89%	8%	26%	46%	28%	40%	47%	13%	
APP/DEPART	167	/	141	168	/	194	50	/	49	78	/	79	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	19	71	14	2	78	6	7	14	8	15	28	5	267	
APPROACH %	18%	68%	13%	2%	91%	7%	24%	48%	28%	31%	58%	10%		
PEAK HR FACTOR	0.929			0.860			0.604			0.857			0.954	
APP/DEPART	104	/	83	86	/	101	29	/	30	48	/	53	0	
PM	4:00 PM	2	20	2	2	9	0	1	4	2	3	3	1	49
	4:15 PM	5	15	2	0	16	0	2	5	6	4	4	1	60
	4:30 PM	5	13	5	0	6	1	2	4	1	1	5	1	44
	4:45 PM	1	11	4	2	3	1	2	2	13	1	2	0	42
	5:00 PM	1	9	3	0	11	2	0	1	1	2	2	0	32
	5:15 PM	0	14	3	1	4	0	2	3	12	3	4	0	46
	5:30 PM	3	14	3	1	6	0	2	3	2	1	5	0	40
	5:45 PM	0	7	0	1	5	0	0	2	4	1	1	1	22
	VOLUMES	17	103	22	7	60	4	11	24	41	16	26	4	335
	APPROACH %	12%	73%	15%	10%	85%	6%	14%	32%	54%	35%	57%	9%	
APP/DEPART	142	/	118	71	/	117	76	/	53	46	/	47	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	13	59	13	4	34	2	7	15	22	9	14	3	195	
APPROACH %	15%	69%	15%	10%	85%	5%	16%	34%	50%	35%	54%	12%		
PEAK HR FACTOR	0.885			0.625			0.647			0.722			0.813	
APP/DEPART	85	/	69	40	/	65	44	/	32	26	/	29	0	

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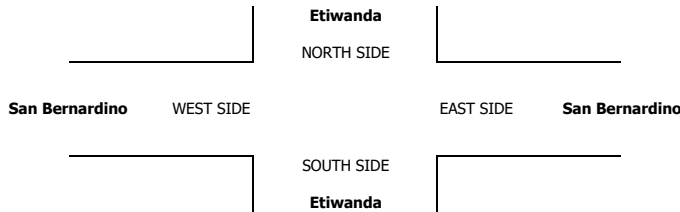
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0	1	8	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: San Bernardino	PROJECT #: JN13149 LOCATION #: 6 CONTROL: SIGNAL													
CLASS 5: RV	NOTES:	<table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">AM</td> <td style="padding: 2px;">▲</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">PM</td> <td style="padding: 2px;">◀</td> <td style="padding: 2px;">W</td> </tr> <tr> <td style="padding: 2px;">MD</td> <td style="padding: 2px;">E</td> <td style="padding: 2px;">▶</td> </tr> <tr> <td style="padding: 2px;">OTHER</td> <td style="padding: 2px;">▼</td> <td style="padding: 2px;">S</td> </tr> </table>		AM	▲	N	PM	◀	W	MD	E	▶	OTHER	▼	S
AM	▲	N													
PM	◀	W													
MD	E	▶													
OTHER	▼	S													

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			San Bernardino			San Bernardino			
	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 1.5	WR 0.5	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	0	0

AM	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	0	0	0	0	0	0
	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
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
PM	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	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	3:00 PM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	

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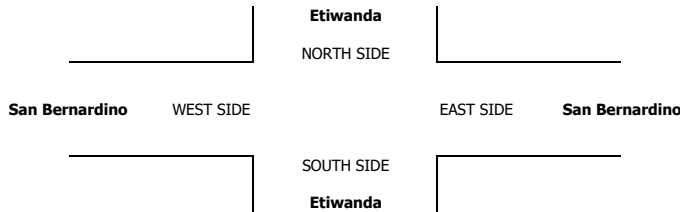
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0	0	0	0

0	0	0	0
---	---	---	---



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda San Bernardino	PROJECT #: LOCATION #: CONTROL:	JN13149 6 SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

LANES:	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND San Bernardino			WESTBOUND San Bernardino			TOTAL
	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 2	ET 2	ER 1	WL 2	WT 1.5	WR 0.5	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR X	SRR 0	ERR 0	WRR 0

AM	7:00 AM	0	1	0	0	0	0	1	0	0	1	0	3	
	7:15 AM	0	0	0	0	1	0	0	1	0	1	0	3	
	7:30 AM	0	0	0	0	0	1	0	0	0	0	0	2	
	7:45 AM	0	0	0	0	1	0	0	0	0	1	0	2	
	8:00 AM	0	0	0	0	0	0	0	1	0	2	0	3	
	8:15 AM	0	0	0	0	1	1	0	1	0	0	1	4	
	8:30 AM	0	0	0	0	0	0	0	1	0	0	1	2	
	8:45 AM	0	0	0	0	0	0	0	2	0	0	0	2	
	VOLUMES	0	1	0	0	3	2	0	8	0	0	7	0	21
	APPROACH %	0%	100%	0%	0%	60%	40%	0%	100%	0%	0%	100%	0%	
APP/DEPART	1	/	1	5	/	3	8	/	8	7	/	9	0	
BEGIN PEAK HR	7:30 AM													
VOLUMES	0	0	0	0	1	1	0	5	0	0	4	0	11	
APPROACH %	0%	0%	0%	0%	50%	50%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.250			0.625			0.500			0.688	
APP/DEPART	0	/	0	2	/	1	5	/	5	4	/	5	0	
PM	4:00 PM	0	0	0	0	0	0	0	1	0	0	2	3	
	4:15 PM	0	0	0	0	1	0	0	1	0	0	1	3	
	4:30 PM	0	0	1	0	0	0	0	1	0	0	0	2	
	4:45 PM	0	0	0	0	0	0	0	2	0	0	1	3	
	5:00 PM	0	0	0	0	0	0	0	1	0	0	2	3	
	5:15 PM	0	0	0	0	0	0	0	2	0	0	1	3	
	5:30 PM	0	0	1	0	0	0	0	1	0	0	1	3	
	5:45 PM	1	0	0	0	0	0	0	1	0	0	0	2	
	VOLUMES	1	0	2	0	1	0	0	10	0	0	8	0	22
	APPROACH %	33%	0%	67%	0%	100%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	3	/	0	1	/	1	10	/	12	8	/	9	0	
BEGIN PEAK HR	4:45 PM													
VOLUMES	0	0	1	0	0	0	0	6	0	0	5	0	12	
APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.250			0.000			0.750			0.625			1.000	
APP/DEPART	1	/	0	0	/	0	6	/	7	5	/	5	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
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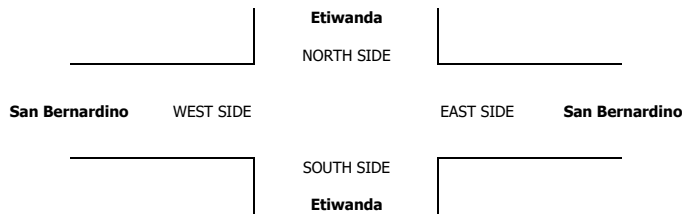
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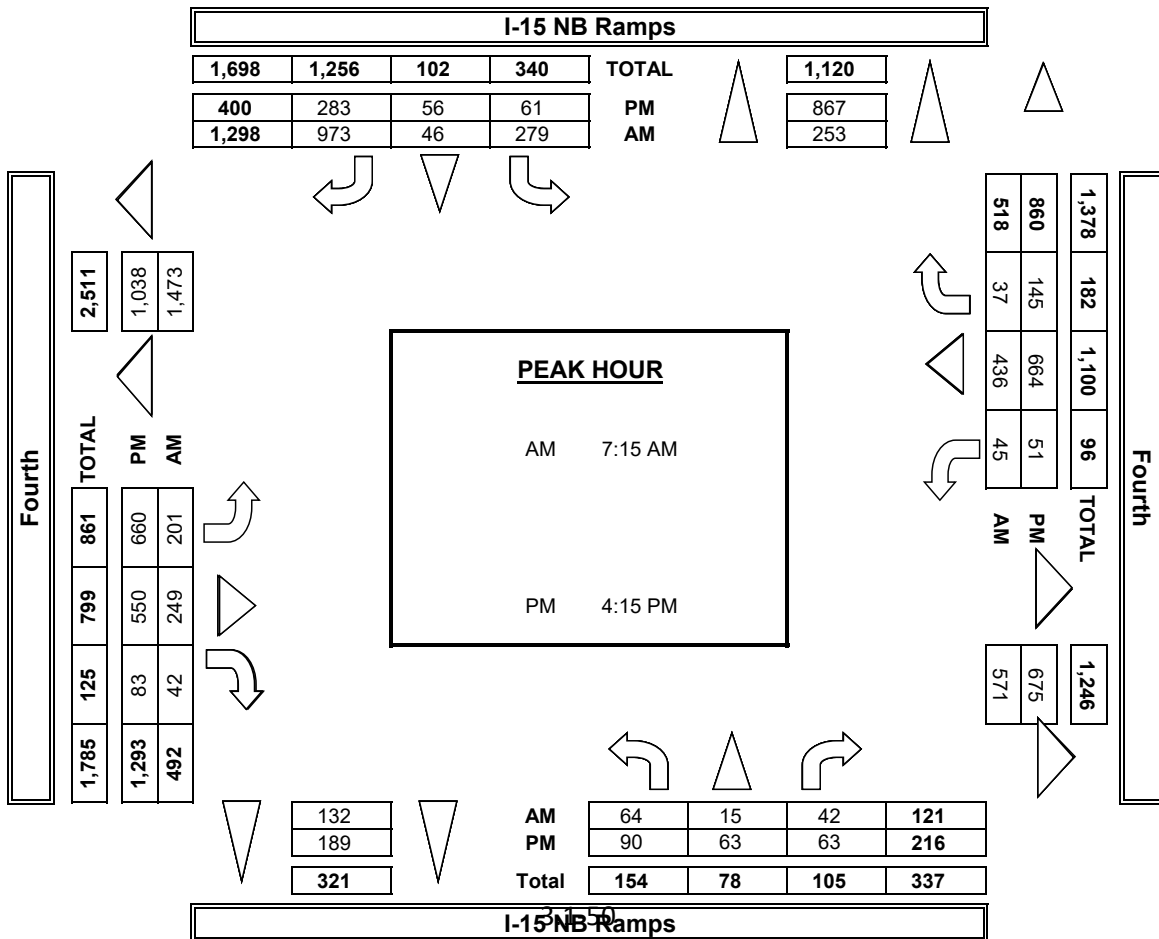
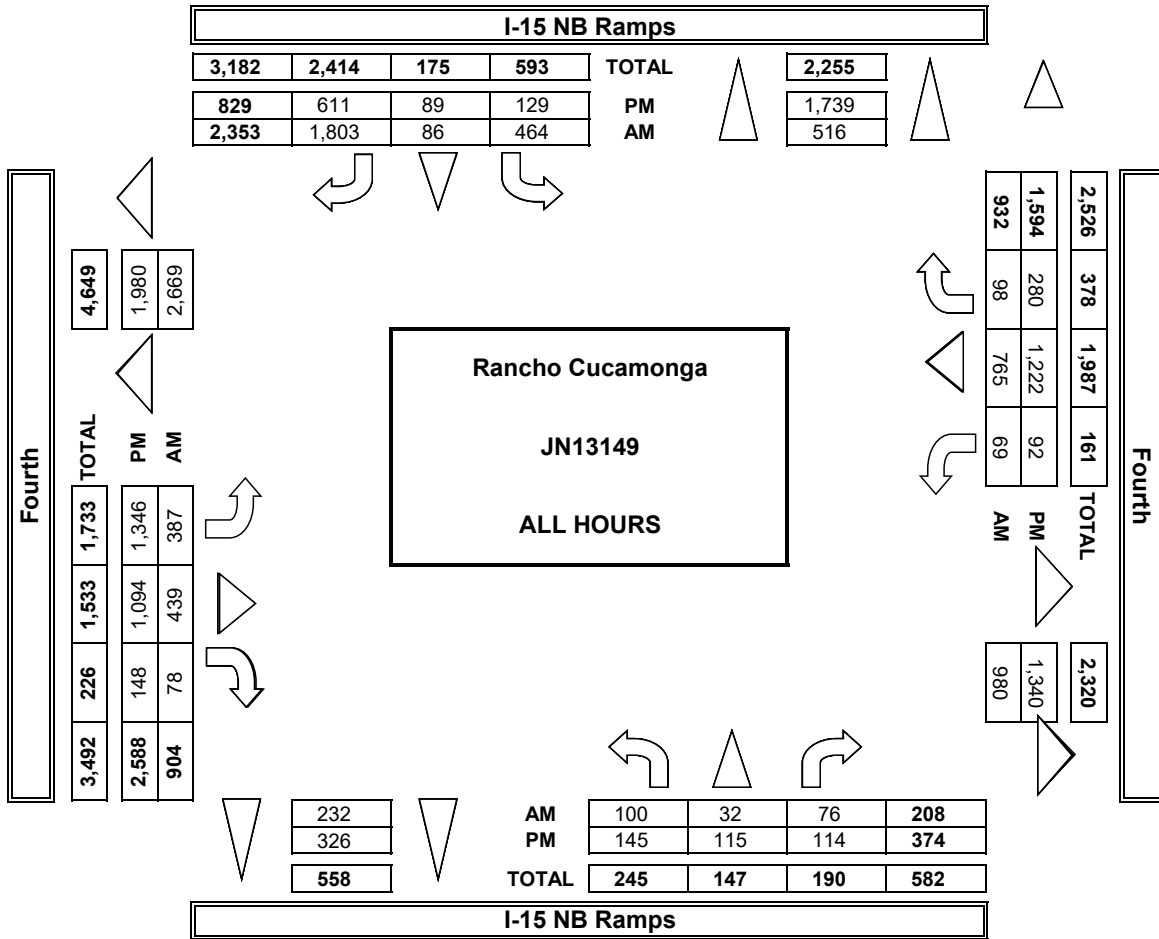
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0	0	0	0

0	0	0	0
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AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 7 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	▲ N E S ▼	◀ W ▶ ▶ E ▶
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	NORTHBOUND <small>I-15 NB Ramps</small>			SOUTHBOUND <small>I-15 NB Ramps</small>			EASTBOUND <small>Fourth</small>			WESTBOUND <small>Fourth</small>			TOTAL
	NL 1	NT 1.5	NR 0.5	SL 1.5	ST 0.5	SR 2	EL 2	ET 3	ER 1	WL 1	WT 2.5	WR 0.5	
7:00 AM	8	4	11	41	9	192	38	27	9	10	61	5	415
7:15 AM	12	7	7	45	11	187	47	57	6	9	66	2	456
7:30 AM	13	5	16	62	16	279	41	52	9	11	107	8	619
7:45 AM	15	0	8	75	7	266	51	57	8	9	108	8	612
8:00 AM	9	2	9	48	9	188	45	36	11	11	85	3	456
8:15 AM	7	1	8	37	5	191	48	35	8	7	78	14	439
8:30 AM	7	5	5	28	10	213	44	36	7	4	59	10	428
8:45 AM	9	6	7	25	10	177	43	33	8	2	66	2	388
VOLUMES	80	30	71	361	77	1,693	357	333	66	63	630	52	3,813
APPROACH %	44%	17%	39%	17%	4%	79%	47%	44%	9%	8%	85%	7%	
APP/DEPART	181	/	438	2,131	/	205	756	/	766	745	/	2,404	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	49	14	40	230	43	920	184	202	34	39	366	21	2,143
APPROACH %	48%	14%	39%	19%	4%	77%	44%	48%	8%	9%	86%	5%	
PEAK HR FACTOR	0.757			0.835			0.905			0.847			0.866
APP/DEPART	103	/	219	1,193	/	116	420	/	473	427	/	1,335	0
4:00 PM	21	13	9	15	7	77	189	109	13	13	174	47	687
4:15 PM	16	15	13	10	14	65	155	119	17	14	156	27	621
4:30 PM	20	14	16	9	14	62	175	100	23	12	160	46	651
4:45 PM	20	16	11	12	11	64	154	127	19	5	128	23	590
5:00 PM	28	16	19	12	12	69	168	143	23	15	163	30	698
5:15 PM	13	17	18	12	11	73	152	154	13	11	110	35	619
5:30 PM	13	11	11	12	6	75	158	118	16	7	123	20	570
5:45 PM	8	9	11	11	6	86	175	121	22	5	119	18	591
VOLUMES	139	111	108	93	81	571	1,326	991	146	82	1,133	246	5,027
APPROACH %	39%	31%	30%	12%	11%	77%	54%	40%	6%	6%	78%	17%	
APP/DEPART	358	/	1,681	745	/	308	2,463	/	1,193	1,461	/	1,845	0
BEGIN PEAK HR	4:15 PM												
VOLUMES	84	61	59	43	51	260	651	489	82	46	607	126	2,560
APPROACH %	41%	30%	29%	12%	14%	73%	53%	40%	7%	6%	78%	16%	
PEAK HR FACTOR	0.810			0.952			0.915			0.893			0.917
APP/DEPART	204	/	838	354	/	179	1,223	/	591	779	/	952	0

U-TURNS				
NB	SB	EB	WB	TTL
0	0	1	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	1	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	1	2

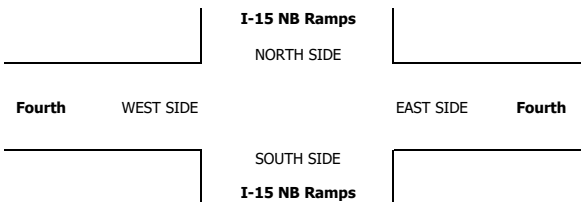
RTOR			
NRR	SRR	ERR	WRR
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3	102	4	0
4	112	2	0
11	127	7	1
3	128	5	1
3	82	4	0
5	127	3	2
4	109	2	3
3	91	5	0
36	878	32	7

21	449	18	2
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	0	0	0	0
0	0	2	1	3

4	44	3	2
6	43	5	6
7	37	7	11
6	45	6	5
5	37	10	2
9	45	4	7
5	39	5	6
6	62	3	0
48	352	43	39

24	162	28	24
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: Rancho Cucamonga NORTH & SOUTH: I-15 NB Ramps EAST & WEST: Fourth	PROJECT #: JN13149 LOCATION #: 7 CONTROL: SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	<table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">AM</td> <td style="text-align: center;">▲</td> </tr> <tr> <td style="text-align: center;">PM</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">MD</td> <td style="text-align: center;">◀ W</td> </tr> <tr> <td style="text-align: center;">OTHER</td> <td style="text-align: center;">E ▶</td> </tr> <tr> <td style="text-align: center;">OTHER</td> <td style="text-align: center;">S</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">▼</td> </tr> </table>	AM	▲	PM	N	MD	◀ W	OTHER	E ▶	OTHER	S		▼
AM	▲													
PM	N													
MD	◀ W													
OTHER	E ▶													
OTHER	S													
	▼													

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Fourth			Fourth			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1.5	0.5	1.5	0.5	2	2	3	1	1	2.5	0.5	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	1	0	0	3	2	8	3	2	1	0	2	1	23
	7:15 AM	2	0	1	3	0	6	2	2	1	1	3	0	21
	7:30 AM	1	0	0	4	0	7	3	2	1	1	7	0	26
	7:45 AM	2	0	1	4	1	5	3	6	3	1	7	4	37
	8:00 AM	3	1	0	1	0	6	1	3	2	0	7	0	24
	8:15 AM	1	1	0	3	0	8	1	4	0	0	3	4	25
	8:30 AM	1	0	0	1	1	7	2	9	1	0	8	3	33
	8:45 AM	1	0	2	5	0	5	1	3	1	0	5	1	24
	VOLUMES	12	2	4	24	4	52	16	31	10	3	42	13	213
	APPROACH %	67%	11%	22%	30%	5%	65%	28%	54%	18%	5%	72%	22%	
APP/DEPART	18	/	31	80	/	17	57	/	59	58	/	106	0	
BEGIN PEAK HR	7:45 AM													
VOLUMES	7	2	1	9	2	26	7	22	6	1	25	11	119	
APPROACH %	70%	20%	10%	24%	5%	70%	20%	63%	17%	3%	68%	30%		
PEAK HR FACTOR	0.625			0.841			0.729			0.771			0.804	
APP/DEPART	10	/	20	37	/	9	35	/	32	37	/	58	0	
PM	4:00 PM	0	0	0	2	2	5	3	3	1	1	2	2	21
	4:15 PM	3	1	1	4	0	4	2	5	0	1	3	1	25
	4:30 PM	0	0	2	0	1	3	0	1	1	1	5	0	14
	4:45 PM	0	1	0	1	2	2	0	3	0	0	7	1	17
	5:00 PM	1	0	1	1	1	5	0	5	0	1	2	1	18
	5:15 PM	0	0	0	3	1	4	2	3	0	0	3	2	18
	5:30 PM	0	1	0	3	0	1	1	3	0	0	3	2	14
	5:45 PM	0	0	0	0	0	0	0	2	0	0	1	1	4
	VOLUMES	4	3	4	14	7	24	8	25	2	4	26	10	131
	APPROACH %	36%	27%	36%	31%	16%	53%	23%	71%	6%	10%	65%	25%	
APP/DEPART	11	/	21	45	/	13	35	/	43	40	/	54	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	3	2	3	7	5	14	5	12	2	3	17	4	77	
APPROACH %	38%	25%	38%	27%	19%	54%	26%	63%	11%	13%	71%	17%		
PEAK HR FACTOR	0.400			0.722			0.679			0.750			0.770	
APP/DEPART	8	/	11	26	/	10	19	/	22	24	/	34	0	

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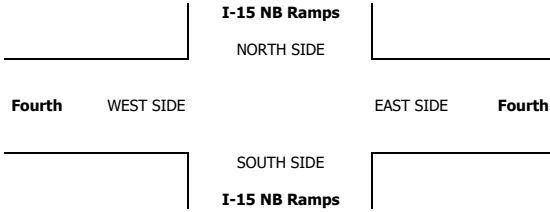
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1	1	0	1
3	26	3	2

1	14	3	1
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0	0	0	0	0

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0	2	0	0
0	3	0	0
0	3	0	1
0	1	0	1
0	0	0	0
1	14	0	2

1	7	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 7 SIGNAL
CLASS 3: 3-AXLE TRUCKS	NOTES:			

LANES:	NORTHBOUND <small>I-15 NB Ramps</small>			SOUTHBOUND <small>I-15 NB Ramps</small>			EASTBOUND <small>Fourth</small>			WESTBOUND <small>Fourth</small>			TOTAL
	NL 1	NT 1.5	NR 0.5	SL 1.5	ST 0.5	SR 2	EL 2	ET 3	ER 1	WL 1	WT 2.5	WR 0.5	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	1	0	0	0	0	2	0	2	0	0	4	0	9
	7:15 AM	0	0	0	1	0	0	0	1	0	0	1	0	3
	7:30 AM	0	0	0	2	1	1	1	0	0	0	1	1	7
	7:45 AM	1	0	0	4	0	0	0	4	0	0	2	1	12
	8:00 AM	0	0	0	3	0	0	0	2	0	0	2	0	7
	8:15 AM	0	0	0	0	0	0	1	3	0	0	4	0	8
	8:30 AM	0	0	0	0	0	2	1	3	0	0	4	1	11
	8:45 AM	0	0	0	1	1	1	0	1	0	0	2	0	6
	VOLUMES	2	0	0	11	2	6	3	16	0	0	20	3	63
	APPROACH %	100%	0%	0%	58%	11%	32%	16%	84%	0%	0%	87%	13%	
	APP/DEPART	2	/	6	19	/	2	19	/	27	23	/	28	0
	BEGIN PEAK HR	7:45 AM												
VOLUMES	1	0	0	7	0	2	2	12	0	0	12	2	38	
APPROACH %	100%	0%	0%	78%	0%	22%	14%	86%	0%	0%	86%	14%		
PEAK HR FACTOR	0.250			0.563			0.875			0.700			0.792	
APP/DEPART	1	/	4	9	/	0	14	/	19	14	/	15	0	
PM	4:00 PM	0	0	1	1	0	0	0	0	0	1	2	0	5
	4:15 PM	0	0	0	0	0	0	1	3	0	0	2	0	6
	4:30 PM	0	0	0	1	0	0	0	3	0	0	2	1	7
	4:45 PM	1	0	0	1	0	0	0	2	0	0	4	0	8
	5:00 PM	0	0	0	0	0	1	1	3	0	0	2	0	7
	5:15 PM	0	0	0	1	0	1	0	2	0	0	1	0	5
	5:30 PM	0	0	0	0	0	0	0	2	0	0	1	0	3
	5:45 PM	0	0	0	0	0	1	1	0	0	2	4	0	8
	VOLUMES	1	0	1	4	0	3	3	15	0	3	18	1	49
	APPROACH %	50%	0%	50%	57%	0%	43%	17%	83%	0%	14%	82%	5%	
	APP/DEPART	2	/	4	7	/	3	18	/	20	22	/	22	0
	BEGIN PEAK HR	4:15 PM												
VOLUMES	1	0	0	2	0	1	2	11	0	0	10	1	28	
APPROACH %	100%	0%	0%	67%	0%	33%	15%	85%	0%	0%	91%	9%		
PEAK HR FACTOR	0.250			0.750			0.813			0.688			0.875	
APP/DEPART	1	/	3	3	/	0	13	/	13	11	/	12	0	

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0	0	0	0	0
0	0	0	0	0
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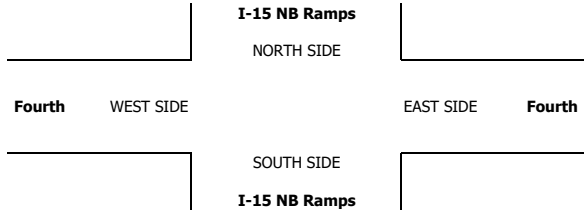
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0	0	0	0
0	1	0	0
0	2	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 7 SIGNAL
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:			

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Fourth			Fourth			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1.5	0.5	1.5	0.5	2	2	3	1	1	2.5	0.5	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	0	0	0	9	0	4	0	5	0	0	6	1	25
	7:15 AM	0	0	0	7	1	5	3	4	1	0	10	2	33
	7:30 AM	2	0	0	3	0	3	1	8	0	2	6	1	26
	7:45 AM	2	0	0	5	0	10	2	5	0	0	13	3	40
	8:00 AM	2	0	0	12	0	9	1	7	0	0	8	4	43
	8:15 AM	0	0	0	11	0	2	1	7	0	1	5	4	31
	8:30 AM	0	0	0	9	1	6	1	9	0	0	3	5	34
	8:45 AM	0	0	1	12	1	11	2	6	1	0	14	10	58
	VOLUMES	6	0	1	68	3	50	11	51	2	3	65	30	290
	APPROACH %	86%	0%	14%	56%	2%	41%	17%	80%	3%	3%	66%	31%	
APP/DEPART	7	/	41	121	/	8	64	/	120	98	/	121	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	2	0	1	44	2	28	5	29	1	1	30	23	166	
APPROACH %	67%	0%	33%	59%	3%	38%	14%	83%	3%	2%	56%	43%		
PEAK HR FACTOR	0.375			0.771			0.875			0.563			0.716	
APP/DEPART	3	/	28	74	/	4	35	/	74	54	/	60	0	
PM	4:00 PM	0	1	0	2	0	1	1	6	0	0	5	2	18
	4:15 PM	0	0	0	3	0	1	1	10	0	0	9	2	26
	4:30 PM	0	0	0	3	0	3	1	9	0	0	7	5	28
	4:45 PM	1	0	0	2	0	2	1	7	0	1	5	5	24
	5:00 PM	0	0	0	1	1	2	1	6	0	0	5	3	19
	5:15 PM	0	0	1	2	0	1	2	7	0	0	1	2	16
	5:30 PM	0	0	0	4	0	2	0	4	0	0	1	3	14
	5:45 PM	0	0	0	0	0	1	2	5	0	0	4	1	13
	VOLUMES	1	1	1	17	1	13	9	54	0	1	37	23	158
	APPROACH %	33%	33%	33%	55%	3%	42%	14%	86%	0%	2%	61%	38%	
APP/DEPART	3	/	33	31	/	2	63	/	72	61	/	51	0	
BEGIN PEAK HR	4:15 PM													
VOLUMES	1	0	0	9	1	8	4	32	0	1	26	15	97	
APPROACH %	100%	0%	0%	50%	6%	44%	11%	89%	0%	2%	62%	36%		
PEAK HR FACTOR	0.250			0.750			0.818			0.875			0.866	
APP/DEPART	1	/	19	18	/	2	36	/	41	42	/	35	0	

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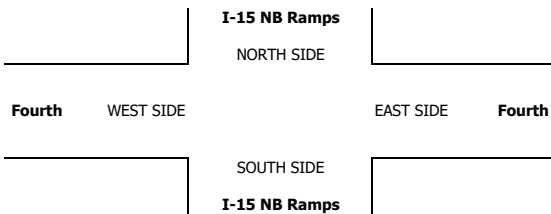
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1	8	0	3
1	26	0	6

1	16	0	6
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0	2	0	1
0	1	0	0
1	9	0	6

0	6	0	3
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 NB Ramps Fourth	PROJECT #: JN13149 LOCATION #: 7 CONTROL: SIGNAL
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CLASS 5: RV	NOTES:	AM PM	▲ N ▼	← W E →
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LANES:	NORTHBOUND I-15 NB Ramps			SOUTHBOUND I-15 NB Ramps			EASTBOUND Fourth			WESTBOUND Fourth			TOTAL
	NL 1	NT 1.5	NR 0.5	SL 1.5	ST 0.5	SR 2	EL 2	ET 3	ER 1	WL 1	WT 2.5	WR 0.5	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	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	0	0	0	0	0	0
	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
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR	7:00 AM												
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
PM	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	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR	3:00 PM												
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0

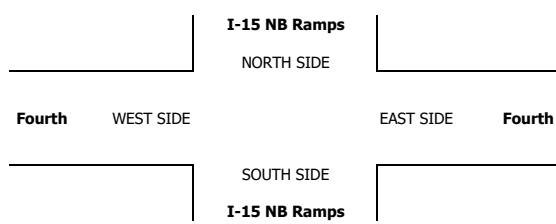
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 NB Ramps Fourth	PROJECT #: JN13149 LOCATION #: 7 CONTROL: SIGNAL
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CLASS 6:	NOTES:				
BUSES		AM PM MD OTHER OTHER	← W	E →	▲ N S ▼

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 NB Ramps			I-15 NB Ramps			Fourth			Fourth			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1.5	0.5	1.5	0.5	2	2	3	1	1	2.5	0.5	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	0	0	0	0	0	0	1	0	0	3	0	4	
	7:15 AM	0	0	0	0	0	0	1	0	0	0	0	1	
	7:30 AM	0	0	0	0	0	0	0	1	0	1	0	2	
	7:45 AM	0	0	0	0	0	1	0	0	0	0	0	1	
	8:00 AM	0	0	0	0	0	0	0	1	0	2	0	3	
	8:15 AM	0	0	0	0	0	0	0	2	0	0	0	2	
	8:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	
	8:45 AM	0	0	0	0	0	1	0	2	0	0	1	0	4
	VOLUMES	0	0	0	0	0	2	0	8	0	0	8	0	18
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	2	/	0	8	/	8	8	/	10	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	0	0	0	0	0	1	0	5	0	0	4	0	10	
APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.250			0.625			0.500			0.625	
APP/DEPART	0	/	0	1	/	0	5	/	5	4	/	5	0	
PM	4:00 PM	0	0	0	0	0	0	1	0	0	1	0	2	
	4:15 PM	0	0	0	1	0	0	0	2	0	0	1	4	
	4:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	
	4:45 PM	0	0	0	0	0	0	0	2	0	0	1	3	
	5:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	
	5:15 PM	0	0	0	0	0	0	0	2	0	0	0	2	
	5:30 PM	0	0	0	0	0	0	0	1	0	0	2	3	
	5:45 PM	0	0	0	0	0	0	0	1	0	0	1	2	
	VOLUMES	0	0	0	1	0	0	0	9	0	0	8	0	18
	APPROACH %	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%
APP/DEPART	0	/	0	1	/	0	9	/	10	8	/	8	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	0	0	1	0	0	0	5	0	0	4	0	10	
APPROACH %	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.250			0.625			1.000			0.625	
APP/DEPART	0	/	0	1	/	0	5	/	6	4	/	4	0	

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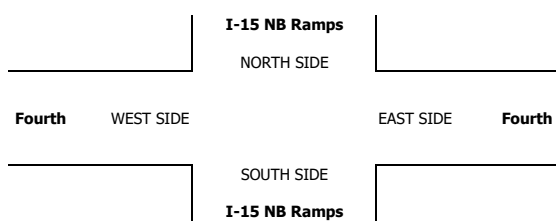
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0	2	0	0

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0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: Wed, Mar 11, 20	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Fourth	PROJECT #: JN13149	LOCATION #: 8	SIGNAL
NOTES:			AP PM MD OTHER OTHER	▲ N S ▼	← W E →

Add U-Turns to Left Turns

	NORTHBOUND I-15 SB Ramps-Ontario Mills			SOUTHBOUND I-15 SB Ramps-Ontario Mills			EASTBOUND Fourth			WESTBOUND Fourth			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	
7:00 AM	13	8	8	22	51	151	56	58	15	24	251	18	675
7:15 AM	14	16	17	26	55	176	43	82	9	17	245	30	730
7:30 AM	23	14	20	36	57	198	64	63	9	32	361	35	912
7:45 AM	20	17	26	34	85	244	70	80	6	27	364	39	1,012
8:00 AM	16	15	21	24	54	193	50	64	8	26	250	38	759
8:15 AM	16	24	16	25	55	167	61	70	8	29	246	24	741
8:30 AM	16	12	16	15	46	171	55	82	10	24	249	38	734
8:45 AM	21	20	17	24	56	170	46	60	9	34	231	28	716
VOLUMES	139	126	141	206	459	1,470	445	559	74	213	2,197	250	6,279
APPROACH %	34%	31%	35%	10%	21%	69%	41%	52%	7%	8%	83%	9%	
APP/DEPART	406	819	2,135	746	1,078	904	2,660	3,810	0				
BEGIN PEAK HR	7:30 AM												
VOLUMES	75	70	83	119	251	802	245	277	31	114	1,221	136	3,424
APPROACH %	33%	31%	36%	10%	21%	68%	44%	50%	6%	8%	83%	9%	
PEAK HR FACTOR	0.905			0.807			0.886			0.855			0.846
APP/DEPART	228	449	1,172	396	553	477	1,471	2,102	0				
4:00 PM	35	64	85	11	55	89	194	230	14	34	165	89	1,065
4:15 PM	37	45	83	14	62	116	199	219	18	39	169	52	1,053
4:30 PM	35	53	85	17	60	144	192	211	28	18	157	88	1,088
4:45 PM	43	39	75	14	87	122	195	226	20	31	131	74	1,057
5:00 PM	40	72	105	9	77	108	251	236	14	28	139	112	1,191
5:15 PM	19	67	78	11	56	117	210	248	22	23	110	74	1,035
5:30 PM	29	43	73	10	62	127	169	220	18	36	125	62	974
5:45 PM	35	50	92	15	65	110	196	222	17	45	134	46	1,027
VOLUMES	273	433	676	101	524	933	1,606	1,812	151	254	1,130	597	8,490
APPROACH %	20%	31%	49%	6%	34%	60%	45%	51%	4%	13%	57%	30%	
APP/DEPART	1,382	2,627	1,558	930	3,569	2,588	1,981	2,345	0				
BEGIN PEAK HR	4:15 PM												
VOLUMES	155	209	348	54	286	490	837	892	80	116	596	326	4,389
APPROACH %	22%	29%	49%	7%	34%	59%	46%	49%	4%	11%	57%	31%	
PEAK HR FACTOR	0.820			0.930			0.903			0.930			0.921
APP/DEPART	712	1,367	830	482	1,809	1,293	1,038	1,247	0				

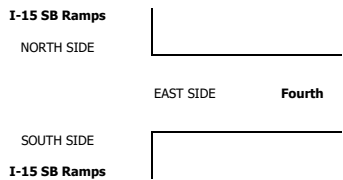
U-TURNS				
NB	SB	EB	WB	TTL
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0	0	0	0	0
0	0	2	0	2
0	1	0	0	1
0	0	0	0	0
0	1	2	0	3
0	0	0	0	0
0	0	0	0	0
0	2	4	0	6

RTOR			
NRR	SRR	ERR	WRR
2	39	4	4
6	49	3	7
10	47	3	14
12	65	1	18
11	51	2	13
8	39	2	6
11	52	4	19
9	51	1	6
69	393	20	87

41	202	8	51
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29	40	2	15
22	54	9	5
31	63	10	16
23	50	4	21
34	42	7	32
21	48	11	21
24	51	8	4
35	42	7	2
219	390	58	116

110	209	30	74
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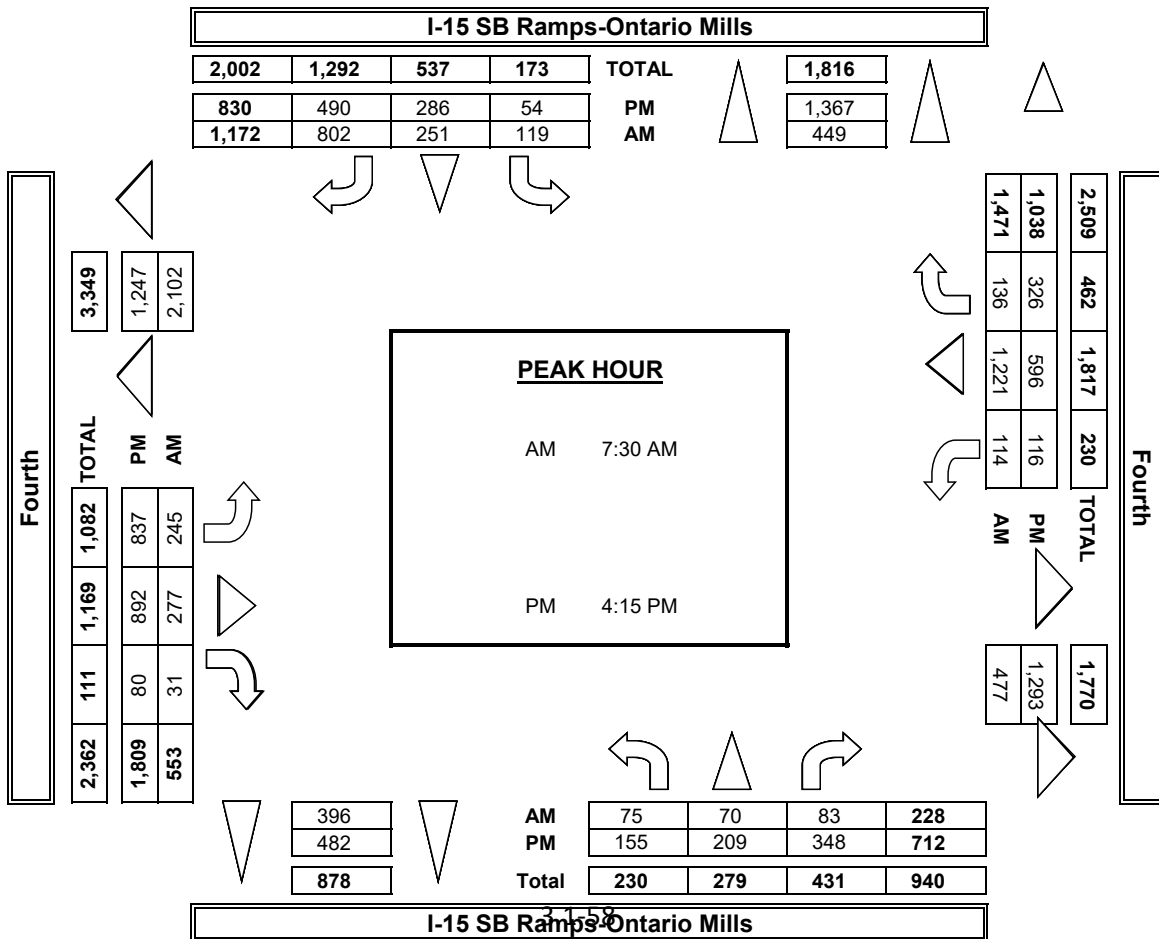
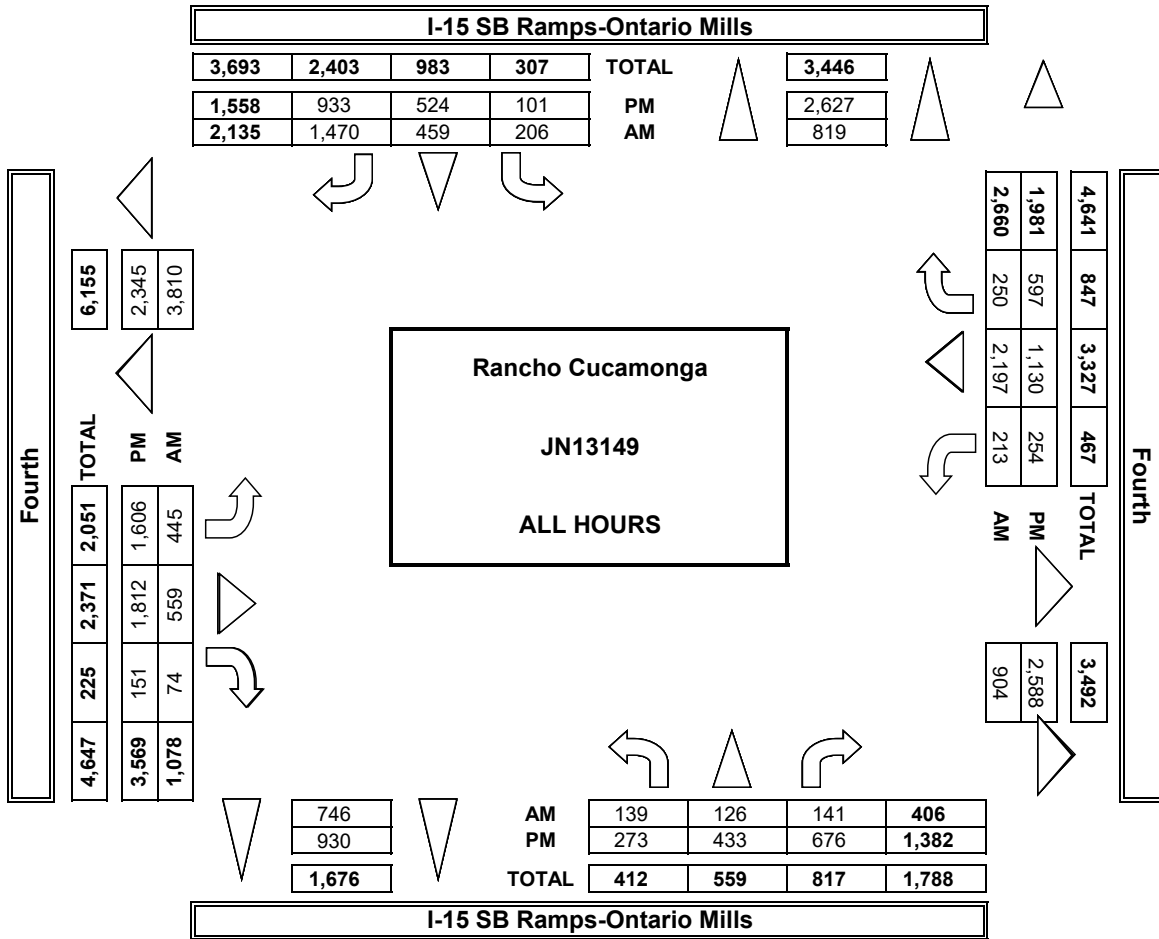


	ALL PED AND BIKE			
	E SIDE	W SIDE	S SIDE	N SIDE
7:00 AM	0	0	1	0
7:15 AM	0	0	2	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	1
8:30 AM	1	0	1	1
8:45 AM	0	0	0	0
TOTAL	1	0	4	2
4:00 PM	0	0	1	1
4:15 PM	0	0	0	0
4:30 PM	0	0	1	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	1	0
5:30 PM	0	0	2	0
5:45 PM	0	0	0	0
TOTAL	0	0	5	1

	PEDESTRIAN CROSSINGS			
	E SIDE	W SIDE	S SIDE	N SIDE
7:00 AM	0	0	1	0
7:15 AM	0	0	2	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	1
8:30 AM	1	0	1	1
8:45 AM	0	0	0	0
TOTAL	1	0	4	2
4:00 PM	0	0	1	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	1	0
5:30 PM	0	0	2	0
5:45 PM	0	0	0	0
TOTAL	0	0	4	0

	BICYCLE CROSSINGS			
	ES	WS	SS	NS
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	0	0	0	0
TOTAL	0	0	0	0
4:00 PM	0	0	1	1
4:15 PM	0	0	0	0
4:30 PM	0	0	1	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	0	0	0	0
TOTAL	0	0	1	1

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 8 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 SB Ramps			I-15 SB Ramps			Fourth			Fourth			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	
AM													
7:00 AM	13	5	7	17	51	149	44	50	13	22	230	10	611
7:15 AM	13	10	15	22	55	175	37	73	7	17	228	20	672
7:30 AM	21	13	19	29	57	195	55	54	8	28	343	28	850
7:45 AM	19	14	22	27	85	241	57	68	6	24	338	25	926
8:00 AM	16	12	20	17	54	188	40	55	8	24	223	28	685
8:15 AM	16	22	15	19	54	164	52	58	6	27	232	17	682
8:30 AM	16	8	14	8	45	169	42	65	9	23	228	28	655
8:45 AM	21	17	16	19	56	165	35	49	9	33	203	16	639
VOLUMES	135	101	128	158	457	1,446	362	472	66	198	2,025	172	5,720
APPROACH %	37%	28%	35%	8%	22%	70%	40%	52%	7%	8%	85%	7%	
APP/DEPART	364	/	633	2,061	/	721	900	/	756	2,395	/	3,610	0
BEGIN PEAK HR	7:30 AM												
VOLUMES	72	61	76	90	250	788	200	235	28	103	1,136	98	3,143
APPROACH %	34%	29%	36%	8%	22%	70%	43%	50%	6%	8%	85%	7%	
PEAK HR FACTOR	0.950			0.800			0.891			0.838			0.849
APP/DEPART	209	/	361	1,130	/	381	467	/	401	1,337	/	2,000	0
PM													
4:00 PM	35	64	82	6	54	86	181	223	14	34	156	82	1,017
4:15 PM	37	43	81	11	61	112	195	200	18	38	150	49	995
4:30 PM	35	52	84	8	60	138	182	206	28	18	142	82	1,035
4:45 PM	41	39	75	11	87	119	191	214	20	31	114	68	1,010
5:00 PM	40	70	104	5	77	106	245	225	14	28	126	106	1,146
5:15 PM	19	65	77	8	56	115	207	234	21	23	101	72	998
5:30 PM	28	43	73	7	61	125	165	212	17	36	118	59	944
5:45 PM	35	50	92	11	64	108	188	215	17	45	124	44	993
VOLUMES	270	426	668	67	520	909	1,554	1,729	149	253	1,031	562	8,138
APPROACH %	20%	31%	49%	4%	35%	61%	45%	50%	4%	14%	56%	30%	
APP/DEPART	1,364	/	2,535	1,496	/	923	3,432	/	2,463	1,846	/	2,217	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	135	226	340	32	280	478	822	879	83	100	483	328	4,189
APPROACH %	19%	32%	49%	4%	35%	61%	46%	49%	5%	11%	53%	36%	
PEAK HR FACTOR	0.819			0.910			0.923			0.876			0.914
APP/DEPART	701	/	1,376	790	/	463	1,787	/	1,251	911	/	1,099	0

U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0
0	0	0	0	0
0	0	2	0	2
0	1	0	0	1
0	0	0	0	0
0	1	2	0	3
0	0	0	0	0
0	0	0	0	0
0	2	4	0	6

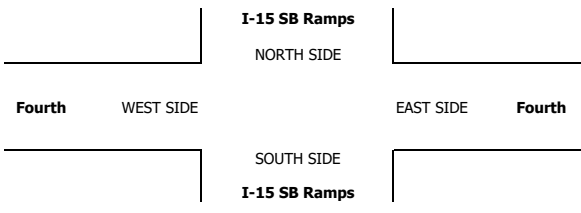
RTOR			
NRR	SRR	ERR	WRR
0	0	0	0
2	38	3	3
6	49	2	4
9	47	3	11
11	65	1	9
10	50	2	10
7	39	0	5
10	51	3	14
9	50	1	3
64	389	15	59

37	201	6	35
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0	0	3	0	3
0	1	2	0	3
0	0	0	0	0
0	0	1	0	1
0	0	2	0	2
0	0	0	0	0
0	0	0	0	0
1	0	0	0	1
1	1	8	0	10

28	40	2	14
22	53	9	4
31	63	10	15
23	49	4	20
34	42	7	32
20	48	10	20
24	51	7	4
35	42	7	2
217	388	56	111

108	202	31	87
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: Rancho Cucamonga NORTH & SOUTH: I-15 SB Ramps EAST & WEST: Fourth	PROJECT #: JN13149 LOCATION #: 8 CONTROL: SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	<table border="1" style="margin: auto;"> <tr><td>AM</td><td></td><td>▲</td><td></td></tr> <tr><td>PM</td><td></td><td>N</td><td></td></tr> <tr><td>MD</td><td>◀ W</td><td></td><td>E ▶</td></tr> <tr><td>OTHER</td><td></td><td>S</td><td></td></tr> <tr><td></td><td></td><td>▼</td><td></td></tr> </table>	AM		▲		PM		N		MD	◀ W		E ▶	OTHER		S				▼	
AM		▲																				
PM		N																				
MD	◀ W		E ▶																			
OTHER		S																				
		▼																				

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	I-15 SB Ramps			I-15 SB Ramps			Fourth			Fourth			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	2	1	1	1.5	1.5	2	3	1	2	3	1	

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM	7:00 AM	0	3	1	0	0	1	8	5	1	2	6	3	30
	7:15 AM	1	6	1	0	0	1	4	4	2	0	10	1	30
	7:30 AM	2	1	1	0	0	3	4	5	1	3	11	1	32
	7:45 AM	1	3	3	1	0	0	6	8	0	2	10	2	36
	8:00 AM	0	1	1	1	0	1	7	4	0	0	13	3	31
	8:15 AM	0	1	0	2	1	1	8	3	2	1	9	2	30
	8:30 AM	0	3	1	2	1	0	6	9	1	1	8	7	39
	8:45 AM	0	2	1	2	0	1	5	2	0	1	7	3	24
	VOLUMES	4	20	9	8	2	8	48	40	7	10	74	22	252
	APPROACH %	12%	61%	27%	44%	11%	44%	51%	42%	7%	9%	70%	21%	
APP/DEPART	33	/	90	18	/	19	95	/	57	106	/	86	0	
BEGIN PEAK HR	7:45 AM													
VOLUMES	1	8	5	6	2	2	27	24	3	4	40	14	136	
APPROACH %	7%	57%	36%	60%	20%	20%	50%	44%	6%	7%	69%	24%		
PEAK HR FACTOR	0.500			0.625			0.844			0.906			0.872	
APP/DEPART	14	/	49	10	/	9	54	/	35	58	/	43	0	
PM	4:00 PM	0	0	2	0	0	0	7	5	0	0	5	2	21
	4:15 PM	0	2	0	1	1	1	2	6	0	1	9	0	23
	4:30 PM	0	1	0	3	0	3	5	-1	0	0	4	4	19
	4:45 PM	2	0	0	0	0	2	3	3	0	0	5	4	19
	5:00 PM	0	2	1	1	0	1	3	3	0	0	5	3	19
	5:15 PM	0	2	1	0	0	1	1	4	1	0	7	0	17
	5:30 PM	1	0	0	0	1	1	1	4	1	0	3	1	13
	5:45 PM	0	0	0	1	0	1	6	1	0	0	1	0	10
	VOLUMES	3	7	4	6	2	10	28	25	2	1	39	14	141
	APPROACH %	21%	50%	29%	33%	11%	56%	51%	45%	4%	2%	72%	26%	
APP/DEPART	14	/	49	18	/	5	55	/	35	54	/	52	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	2	3	2	4	1	6	17	13	0	1	23	10	82	
APPROACH %	29%	43%	29%	36%	9%	55%	57%	43%	0%	3%	68%	29%		
PEAK HR FACTOR	0.875			0.458			0.625			0.850			0.891	
APP/DEPART	7	/	30	11	/	2	30	/	19	34	/	31	0	

0	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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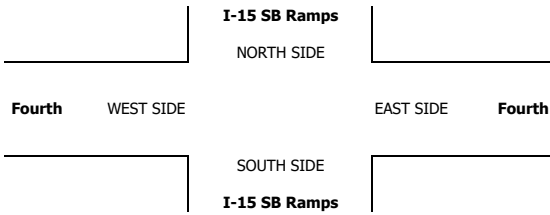
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0	0	2	0
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0	0	0	1
3	0	5	7

2	0	3	4
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
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0	0	0	0	0
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0	1	0	1
0	0	0	0
1	0	1	0
0	0	1	0
0	0	0	0
2	2	2	2

1	2	0	2
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 8 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	<table border="1" style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px;">AM</td> <td style="padding: 2px;">▲</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">PM</td> <td style="padding: 2px;">◀</td> <td style="padding: 2px;">W</td> </tr> <tr> <td style="padding: 2px;">MD</td> <td style="padding: 2px;">E</td> <td style="padding: 2px;">▶</td> </tr> <tr> <td style="padding: 2px;">OTHER</td> <td style="padding: 2px;">S</td> <td style="padding: 2px;">▼</td> </tr> <tr> <td style="padding: 2px;">OTHER</td> <td style="padding: 2px;">↓</td> <td style="padding: 2px;">↓</td> </tr> </table>	AM	▲	N	PM	◀	W	MD	E	▶	OTHER	S	▼	OTHER	↓	↓
AM	▲	N															
PM	◀	W															
MD	E	▶															
OTHER	S	▼															
OTHER	↓	↓															

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	I-15 SB Ramps			I-15 SB Ramps			Fourth			Fourth			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	TOTAL

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

RTOR			
NRR	SRR	ERR	WRR
0	0	0	0

AM		7:00 AM	0	0	0	1	0	0	0	1	0	0	7	0	9
		7:15 AM	0	0	0	0	0	0	0	1	0	0	0	1	2
		7:30 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
		7:45 AM	0	0	0	3	0	0	1	1	0	0	3	0	8
		8:00 AM	0	1	0	1	0	1	1	1	0	1	1	0	7
		8:15 AM	0	0	0	0	0	1	0	4	0	1	0	3	9
		8:30 AM	0	1	1	1	0	1	3	2	0	0	5	1	15
		8:45 AM	0	0	0	1	0	0	0	0	0	0	3	0	4
		VOLUMES	0	2	1	7	0	3	5	11	0	2	21	5	57
		APPROACH %	0%	67%	33%	70%	0%	30%	31%	69%	0%	7%	75%	18%	
		APP/DEPART	3	/	12	10	/	2	16	/	19	28	/	24	0
		BEGIN PEAK HR	7:45 AM												
		VOLUMES	0	2	1	5	0	3	5	8	0	2	9	4	39
		APPROACH %	0%	67%	33%	63%	0%	38%	38%	62%	0%	13%	60%	27%	
		PEAK HR FACTOR	0.375			0.667			0.650			0.625			0.650
		APP/DEPART	3	/	11	8	/	2	13	/	14	15	/	12	0
PM		4:00 PM	0	0	1	0	0	1	0	-1	0	0	0	2	3
		4:15 PM	0	0	1	0	0	0	0	3	0	0	2	0	6
		4:30 PM	0	0	1	0	0	0	1	2	0	0	2	0	6
		4:45 PM	0	0	0	0	0	0	0	2	0	0	5	0	7
		5:00 PM	0	0	0	1	0	0	1	3	0	0	2	1	8
		5:15 PM	0	0	0	0	0	0	0	2	0	0	2	0	4
		5:30 PM	0	0	0	0	0	0	0	2	0	0	0	1	3
		5:45 PM	0	0	0	0	0	0	0	1	0	0	5	0	6
		VOLUMES	0	0	3	1	0	1	2	14	0	0	18	4	43
		APPROACH %	0%	0%	100%	50%	0%	50%	13%	88%	0%	0%	82%	18%	
		APP/DEPART	3	/	6	2	/	0	16	/	18	22	/	19	0
		BEGIN PEAK HR	4:15 PM												
		VOLUMES	0	0	2	1	0	0	2	10	0	0	11	1	27
		APPROACH %	0%	0%	100%	100%	0%	0%	17%	83%	0%	0%	92%	8%	
		PEAK HR FACTOR	0.500			0.250			0.750			0.600			0.844
		APP/DEPART	2	/	3	1	/	0	12	/	13	12	/	11	0

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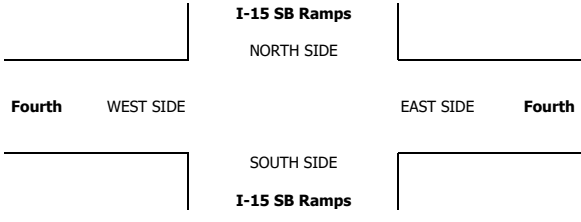
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0	0	0	0
0	0	0	0

0	0	0	2
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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
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0	0	0	0
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0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Rancho Cucamonga EAST & WEST: I-15 SB Ramps Fourth	PROJECT #: JN13149 LOCATION #: 8 CONTROL: SIGNAL																					
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	<table border="1" style="margin: auto;"> <tr><td>AM</td><td></td><td>▲</td><td></td></tr> <tr><td>PM</td><td></td><td>▲</td><td>N</td></tr> <tr><td>MD</td><td>◀ W</td><td></td><td>E ▶</td></tr> <tr><td>OTHER</td><td></td><td>▼</td><td>S</td></tr> <tr><td>OTHER</td><td></td><td></td><td></td></tr> </table>	AM		▲		PM		▲	N	MD	◀ W		E ▶	OTHER		▼	S	OTHER				
AM		▲																					
PM		▲	N																				
MD	◀ W		E ▶																				
OTHER		▼	S																				
OTHER																							

LANES:	NORTHBOUND <small>I-15 SB Ramps</small>			SOUTHBOUND <small>I-15 SB Ramps</small>			EASTBOUND <small>Fourth</small>			WESTBOUND <small>Fourth</small>			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	0	0	0	4	0	1	4	1	1	0	5	5	21
	7:15 AM	0	0	1	4	0	0	2	3	0	0	7	8	25
	7:30 AM	0	0	0	7	0	0	5	2	0	1	4	6	25
	7:45 AM	0	0	1	3	0	3	6	3	0	1	12	12	41
	8:00 AM	0	1	0	5	0	3	2	3	0	1	11	7	33
	8:15 AM	0	1	1	4	0	1	1	3	0	0	5	2	18
	8:30 AM	0	0	0	4	0	1	4	6	0	0	7	2	24
	8:45 AM	0	1	0	2	0	3	6	7	0	0	16	9	44
	VOLUMES	0	3	3	33	0	12	30	28	1	3	67	51	231
	APPROACH %	0%	50%	50%	73%	0%	27%	51%	47%	2%	2%	55%	42%	
APP/DEPART	6	/	84	45	/	4	59	/	64	121	/	79	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	0	1	2	19	0	6	15	11	0	3	34	33	124	
APPROACH %	0%	33%	67%	76%	0%	24%	58%	42%	0%	4%	49%	47%		
PEAK HR FACTOR	0.750			0.781			0.722			0.700			0.756	
APP/DEPART	3	/	49	25	/	3	26	/	32	70	/	40	0	
PM	4:00 PM	0	0	0	5	1	2	5	2	0	0	3	3	21
	4:15 PM	0	0	1	2	0	3	2	8	0	0	7	3	26
	4:30 PM	0	0	0	6	0	3	3	4	0	0	8	2	26
	4:45 PM	0	0	0	3	0	1	1	5	0	0	6	2	18
	5:00 PM	0	0	0	2	0	1	2	5	0	0	5	2	17
	5:15 PM	0	0	0	3	0	1	2	6	0	0	0	2	14
	5:30 PM	0	0	0	3	0	1	3	1	0	0	2	1	11
	5:45 PM	0	0	0	3	1	1	1	4	0	0	3	2	15
	VOLUMES	0	0	1	27	2	13	19	35	0	0	34	17	148
	APPROACH %	0%	0%	100%	64%	5%	31%	35%	65%	0%	0%	67%	33%	
APP/DEPART	1	/	36	42	/	2	54	/	63	51	/	47	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	0	1	16	1	9	11	19	0	0	24	10	91	
APPROACH %	0%	0%	100%	62%	4%	35%	37%	63%	0%	0%	71%	29%		
PEAK HR FACTOR	0.250			0.722			0.750			0.850			0.875	
APP/DEPART	1	/	21	26	/	1	30	/	36	34	/	33	0	

0	0	0	0	0
0	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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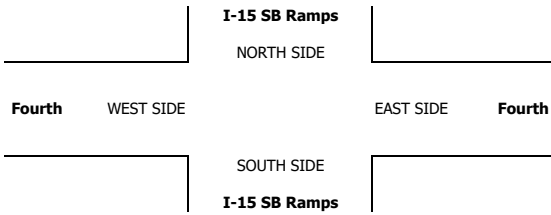
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0	0	0	2
2	3	0	19

1	1	0	16
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0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	1
0	0	0	0
0	0	0	0
0	0	0	3

0	0	0	2
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 8 SIGNAL
CLASS 5: RV	NOTES:			

LANES:	NORTHBOUND I-15 SB Ramps			SOUTHBOUND I-15 SB Ramps			EASTBOUND Fourth			WESTBOUND Fourth			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	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	0	0	0	0	0	0
	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
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
PM	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	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
	VOLUMES	0	0	0	0	0	0	1	0	0	0	0	0	1
	APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
APP/DEPART	0	/	1	0	/	0	1	/	0	0	/	0	0	
BEGIN PEAK HR	5:00 PM													
VOLUMES	0	0	0	0	0	0	1	0	0	0	0	0	1	
APPROACH %	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	
PEAK HR FACTOR	0.000			0.000			0.250			0.000			0.250	
APP/DEPART	0	/	1	0	/	0	1	/	0	0	/	0	0	

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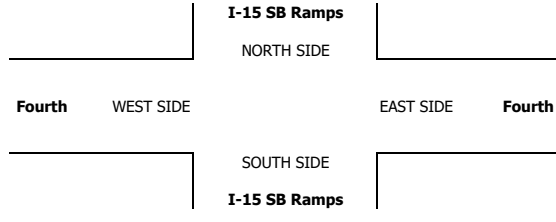
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0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga I-15 SB Ramps Fourth	PROJECT #: LOCATION #: CONTROL:	JN13149 8 SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES			

LANES:	NORTHBOUND I-15 SB Ramps			SOUTHBOUND I-15 SB Ramps			EASTBOUND Fourth			WESTBOUND Fourth			TOTAL
	NL 1	NT 2	NR 1	SL 1	ST 1.5	SR 1.5	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

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	1	0	0	0	0	1
	7:30 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
	7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
	8:00 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
	8:15 AM	0	0	0	0	0	0	0	2	0	0	0	0	2
	8:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
	8:45 AM	0	0	0	0	0	1	0	2	0	0	2	0	5
	VOLUMES	0	0	0	0	0	1	0	8	0	0	10	0	19
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	1	/	0	8	/	8	10	/	11	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	0	0	0	0	0	1	0	5	0	0	5	0	11	
APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.250			0.625			0.625			0.550	
APP/DEPART	0	/	0	1	/	0	5	/	5	5	/	6	0	
PM	4:00 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
	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	0	0	0	1	0	1
	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	0	0	0	1	0	1
	5:15 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
	5:30 PM	0	0	0	0	0	0	0	1	0	0	2	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	9	0	0	8	0	17
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	
APP/DEPART	0	/	0	0	/	0	9	/	9	8	/	8	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	0	0	0	0	0	0	5	0	0	4	0	9	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%		
PEAK HR FACTOR	0.000			0.000			0.625			1.000			0.750	
APP/DEPART	0	/	0	0	/	0	5	/	5	4	/	4	0	

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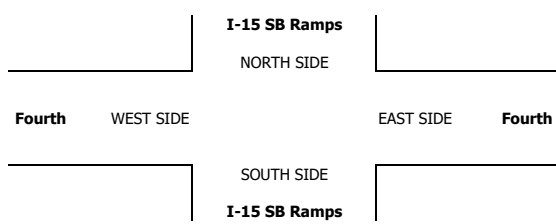
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0	0	0	0
0	0	0	0

0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: Wed, Mar 11, 20	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: JN13149	LOCATION #: 9	CONTROL: SIGNAL
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NOTES:	AP	
	PM	
	MD	
	OTHER	
	OTHER	

Add U-Turns to Left Turns

LANES:	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>Ontario Mills-Valley</small>			WESTBOUND <small>Ontario Mills-Valley</small>			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	

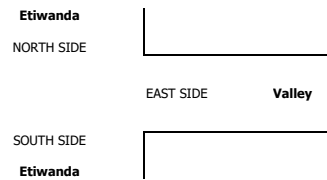
U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR	SRR	ERR	WRR

AM	7:00 AM	60	215	8	4	122	8	0	4	20	25	45	3	514
	7:15 AM	94	223	9	3	130	6	3	8	14	34	35	7	566
	7:30 AM	120	232	10	6	177	16	2	7	28	36	59	10	703
	7:45 AM	92	222	17	5	147	12	4	10	27	34	61	13	644
	8:00 AM	77	222	7	7	148	10	2	7	26	18	34	14	572
	8:15 AM	75	205	10	5	146	3	5	8	17	18	27	5	524
	8:30 AM	63	185	14	6	119	12	1	2	23	19	20	8	472
	8:45 AM	50	194	20	5	119	12	2	6	19	19	19	9	474
	VOLUMES	631	1,698	95	41	1,108	79	19	52	174	203	300	69	4,469
	APPROACH %	26%	70%	4%	3%	90%	6%	8%	21%	71%	35%	52%	12%	
APP/DEPART	2,424	/	1,786	1,228	/	1,495	245	/	188	572	/	1,000	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	383	899	43	21	602	44	11	32	95	122	189	44	2,485	
APPROACH %	29%	68%	3%	3%	90%	7%	8%	23%	69%	34%	53%	12%		
PEAK HR FACTOR	0.915													
APP/DEPART	1,325	/	954	667	/	824	138	/	96	355	/	611	0	
PM	4:00 PM	103	273	12	14	173	6	12	60	82	31	48	8	822
	4:15 PM	68	244	21	6	150	5	15	58	72	14	56	13	722
	4:30 PM	59	251	13	9	180	7	16	85	108	24	30	9	791
	4:45 PM	65	246	19	15	130	10	7	48	76	17	23	8	664
	5:00 PM	66	225	15	15	165	6	11	74	100	32	30	7	746
	5:15 PM	48	229	15	16	179	4	11	92	103	21	30	12	760
	5:30 PM	72	259	10	8	143	8	19	56	101	20	27	9	732
	5:45 PM	64	248	14	9	120	8	9	50	53	16	16	11	618
	VOLUMES	545	1,975	119	92	1,240	54	100	523	695	175	260	77	5,855
	APPROACH %	21%	75%	5%	7%	89%	4%	8%	40%	53%	34%	51%	15%	
APP/DEPART	2,639	/	2,152	1,386	/	2,112	1,318	/	734	512	/	857	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	295	1,014	65	44	633	28	50	251	338	86	157	38	2,999	
APPROACH %	21%	74%	5%	6%	90%	4%	8%	39%	53%	31%	56%	14%		
PEAK HR FACTOR	0.885													
APP/DEPART	1,374	/	1,102	705	/	1,058	639	/	360	281	/	479	0	

1	0	0	0	1
1	0	0	0	1
1	0	0	0	1
1	0	0	0	1
2	0	0	0	2
1	0	0	0	1
1	0	0	0	1
2	0	0	0	2
10	0	0	0	10

0	4	0	0
0	3	0	0
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0	3	0	0
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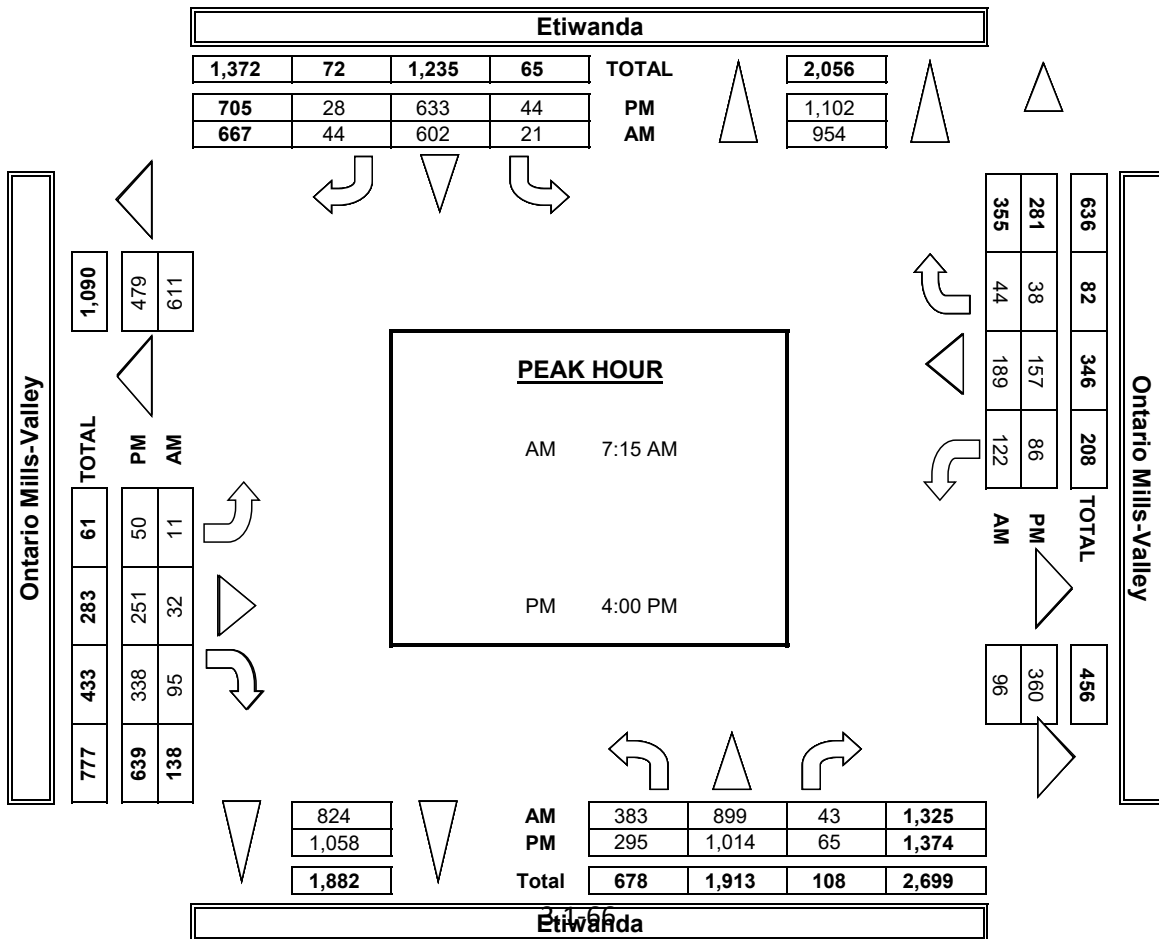
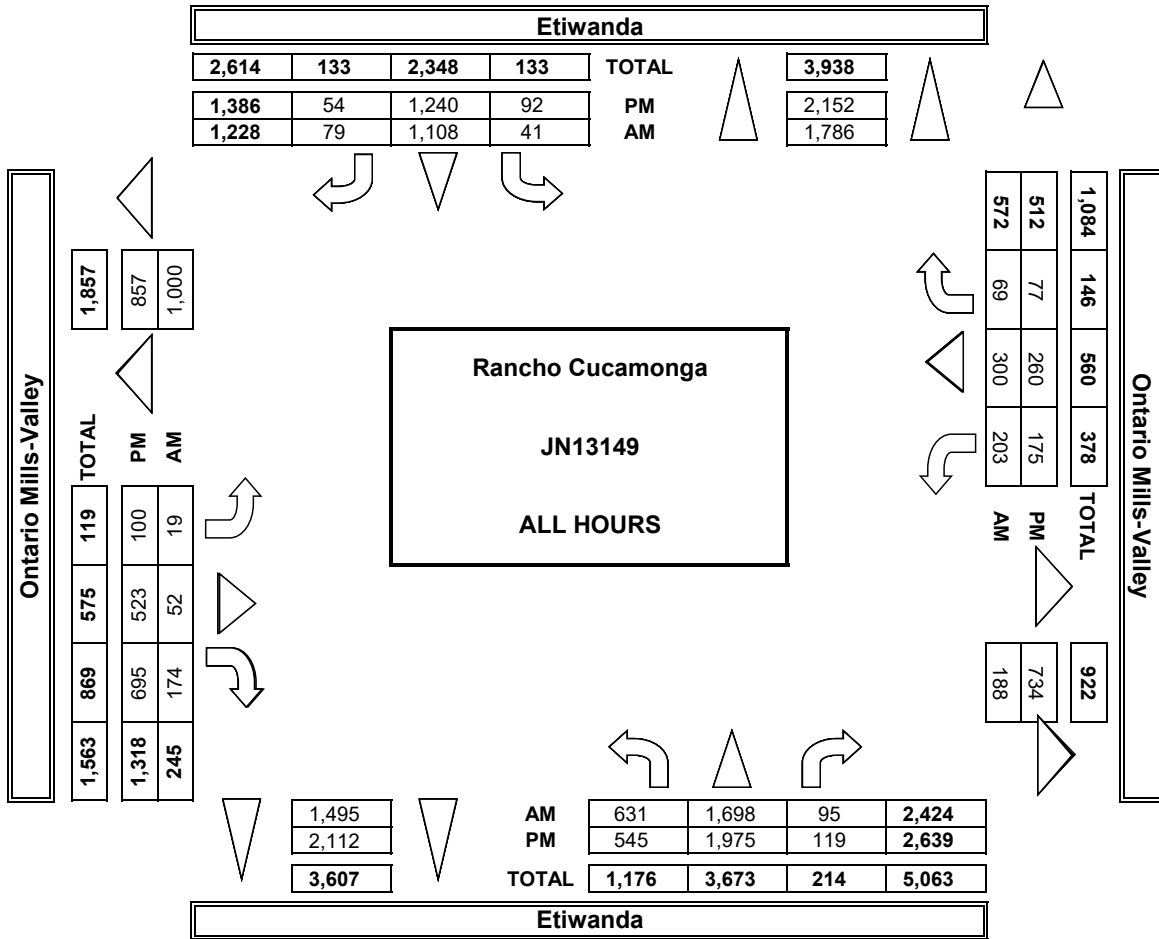


	ALL PED AND BIKE				TOTAL
	E SIDE	W SIDE	S SIDE	N SIDE	
7:00 AM	0	2	0	0	2
7:15 AM	0	2	0	0	2
7:30 AM	0	0	0	1	1
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL	0	4	0	1	5
4:00 PM	0	0	1	0	1
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	1	0	0	1
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	1	1
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL	0	1	1	1	3

	PEDESTRIAN CROSSINGS				TOTAL
	E SIDE	W SIDE	S SIDE	N SIDE	
7:00 AM	0	2	0	0	2
7:15 AM	0	2	0	0	2
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL	0	4	0	0	4
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL	0	0	0	0	0

	BICYCLE CROSSINGS				TOTAL
	ES	WS	SS	NS	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	1	1
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
TOTAL	0	0	0	1	1
4:00 PM	0	0	1	0	1
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	1	0	0	1
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	1	1
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL	0	1	1	1	3

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: LOCATION #: CONTROL:	JN13149 9 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	▲ N S ▼ ← W E →
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Valley			Valley			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
7:00 AM	51	180	3	3	82	6	0	4	9	17	43	2	400
7:15 AM	89	193	5	0	84	5	1	6	7	22	32	7	451
7:30 AM	106	201	8	3	124	16	2	7	18	21	57	7	570
7:45 AM	86	192	6	3	110	11	2	10	19	25	56	12	532
8:00 AM	70	180	4	5	93	10	2	4	15	11	30	7	431
8:15 AM	70	161	8	4	104	3	4	8	10	14	25	3	414
8:30 AM	52	133	5	3	73	10	1	2	17	14	17	6	333
8:45 AM	40	140	12	4	74	12	1	6	12	12	18	4	335
VOLUMES	564	1,380	51	25	744	73	13	47	107	136	278	48	3,466
APPROACH %	28%	69%	3%	3%	88%	9%	8%	28%	64%	29%	60%	10%	
APP/DEPART	1,995	/	1,441	842	/	997	167	/	123	462	/	905	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	346	766	23	11	411	42	7	27	59	79	175	33	1,984
APPROACH %	30%	67%	2%	2%	89%	9%	8%	29%	63%	28%	61%	11%	
PEAK HR FACTOR	0.905			0.811			0.750			0.772			0.870
APP/DEPART	1,140	/	806	464	/	554	93	/	61	287	/	563	0
4:00 PM	90	243	7	12	135	4	9	58	78	20	46	8	710
4:15 PM	62	214	17	4	121	4	12	55	62	12	52	9	624
4:30 PM	52	221	10	9	158	4	13	80	101	22	27	9	706
4:45 PM	61	208	13	12	100	10	7	48	72	11	22	7	571
5:00 PM	61	196	11	9	144	5	8	73	97	26	28	6	664
5:15 PM	43	201	11	14	159	4	11	86	101	16	30	10	686
5:30 PM	66	227	5	8	119	6	18	53	98	13	27	8	648
5:45 PM	54	214	9	9	85	8	9	48	50	12	15	7	520
VOLUMES	489	1,724	83	77	1,021	45	87	501	659	132	247	64	5,129
APPROACH %	21%	75%	4%	7%	89%	4%	7%	40%	53%	30%	56%	14%	
APP/DEPART	2,296	/	1,875	1,143	/	1,813	1,247	/	661	443	/	780	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	217	826	45	44	561	23	39	287	371	75	107	32	2,627
APPROACH %	20%	76%	4%	7%	89%	4%	6%	41%	53%	35%	50%	15%	
PEAK HR FACTOR	0.961			0.887			0.880			0.892			0.930
APP/DEPART	1,088	/	897	628	/	1,007	697	/	376	214	/	347	0

U-TURNS				
NB	SB	EB	WB	TTL
1	0	0	0	1
1	0	0	0	1
1	0	0	0	1
2	0	0	0	2
1	0	0	0	1
1	0	0	0	1
2	0	0	0	2
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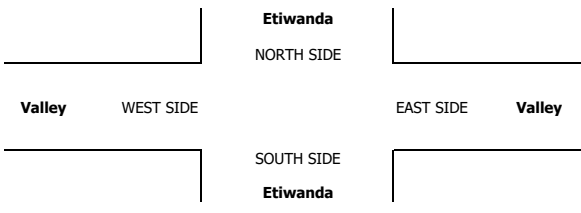
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0	3	0	0
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0	3	0	0
0	24	0	0

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0	2	0	0
0	3	0	0
0	1	0	0
0	4	0	0
0	5	0	0
0	4	0	0
0	25	0	0

0	10	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: LOCATION #: CONTROL:	JN13149 9 SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Valley			Valley			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2.5	0.5	1	3	0	1	2	1	2	2	1	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Valley			Valley			
AM													
7:00 AM	2	13	0	1	6	2	0	0	2	2	1	0	29
7:15 AM	0	6	2	0	12	0	0	1	5	1	1	0	28
7:30 AM	4	6	0	0	13	0	0	0	3	5	1	0	32
7:45 AM	1	8	3	1	13	0	1	0	3	1	2	0	33
8:00 AM	2	14	1	0	8	0	0	0	3	2	0	0	30
8:15 AM	1	12	0	0	10	0	0	0	0	3	0	1	27
8:30 AM	3	6	1	0	8	1	0	0	2	2	0	0	23
8:45 AM	2	12	3	1	8	0	0	0	1	1	1	1	30
VOLUMES	15	77	10	3	78	3	1	1	19	17	6	2	232
APPROACH %	15%	75%	10%	4%	93%	4%	5%	5%	90%	68%	24%	8%	
APP/DEPART	102	/	80	84	/	114	21	/	14	25	/	24	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	7	34	6	1	46	0	1	1	14	9	4	0	123
APPROACH %	15%	72%	13%	2%	98%	0%	6%	6%	88%	69%	31%	0%	
PEAK HR FACTOR	0.691			0.839			0.667			0.542			0.932
APP/DEPART	47	/	35	47	/	69	16	/	8	13	/	11	0
PM													
4:00 PM	4	7	1	0	5	0	0	0	1	2	0	0	20
4:15 PM	4	4	0	0	4	1	0	0	0	0	1	1	15
4:30 PM	3	4	0	0	5	1	0	2	4	0	0	0	19
4:45 PM	1	9	0	1	1	0	0	0	2	4	1	0	19
5:00 PM	2	6	0	1	3	0	1	0	0	0	1	0	14
5:15 PM	2	5	1	0	4	0	0	1	1	1	0	1	16
5:30 PM	1	9	0	0	1	0	0	2	1	2	0	0	16
5:45 PM	2	4	1	0	6	0	0	0	0	2	1	0	16
VOLUMES	19	48	3	2	29	2	1	5	9	11	4	2	135
APPROACH %	27%	69%	4%	6%	88%	6%	7%	33%	60%	65%	24%	12%	
APP/DEPART	70	/	51	33	/	49	15	/	10	17	/	25	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	12	24	1	1	15	2	0	2	7	6	2	1	73
APPROACH %	32%	65%	3%	6%	83%	11%	0%	22%	78%	67%	22%	11%	
PEAK HR FACTOR	0.771			0.750			0.375			0.450			0.913
APP/DEPART	37	/	25	18	/	28	9	/	4	9	/	16	0

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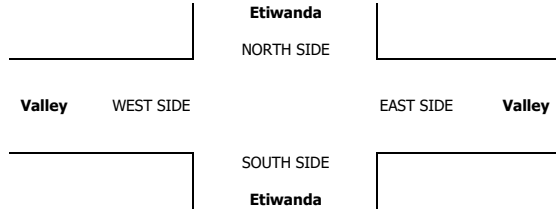
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: LOCATION #: CONTROL:	JN13149 9 SIGNAL
CLASS 3: 3-AXLE TRUCKS	NOTES:			

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Valley			Valley			
LANES:	NL 2	NT 2.5	NR 0.5	SL 1	ST 3	SR 0	EL 1	ET 2	ER 1	WL 2	WT 2	WR 1	
AM													
7:00 AM	0	4	1	0	11	0	0	0	3	1	0	0	20
7:15 AM	0	7	1	0	11	0	2	0	1	3	1	0	26
7:30 AM	2	10	0	1	11	0	0	0	0	2	0	1	27
7:45 AM	1	10	0	0	3	1	0	0	0	2	1	1	19
8:00 AM	0	6	0	0	15	0	0	2	2	2	1	4	32
8:15 AM	0	12	0	0	4	0	1	0	1	1	0	1	20
8:30 AM	0	17	0	0	9	0	0	0	1	2	0	0	29
8:45 AM	1	12	0	0	15	0	0	0	0	2	0	1	31
VOLUMES	4	78	2	1	79	1	3	2	8	15	3	8	204
APPROACH %	5%	93%	2%	1%	98%	1%	23%	15%	62%	58%	12%	31%	
APP/DEPART	84	/	89	81	/	102	13	/	5	26	/	8	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	1	47	0	0	43	0	1	2	4	7	1	6	112
APPROACH %	2%	98%	0%	0%	100%	0%	14%	29%	57%	50%	7%	43%	
PEAK HR FACTOR	0.706			0.717			0.438			0.500			0.875
APP/DEPART	48	/	54	43	/	54	7	/	2	14	/	2	0
PM													
4:00 PM	0	12	0	1	13	1	0	1	0	2	0	0	30
4:15 PM	1	4	1	2	7	0	2	3	2	0	0	1	23
4:30 PM	3	8	1	0	5	1	0	0	1	0	1	0	20
4:45 PM	0	10	2	1	10	0	0	0	1	0	0	1	25
5:00 PM	0	6	1	5	8	0	0	1	1	0	0	1	23
5:15 PM	1	6	0	0	4	0	0	3	0	3	0	0	17
5:30 PM	0	3	1	0	3	1	1	0	0	1	0	0	10
5:45 PM	0	7	1	0	10	0	0	0	0	0	0	2	20
VOLUMES	5	56	7	9	60	3	3	8	5	6	1	5	168
APPROACH %	7%	82%	10%	13%	83%	4%	19%	50%	31%	50%	8%	42%	
APP/DEPART	68	/	64	72	/	72	16	/	24	12	/	8	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	3	34	4	4	35	2	2	4	4	2	1	2	98
APPROACH %	7%	81%	10%	10%	85%	5%	20%	40%	40%	40%	20%	40%	
PEAK HR FACTOR	0.875			0.683			0.357			0.625			0.817
APP/DEPART	42	/	38	41	/	42	10	/	12	5	/	6	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
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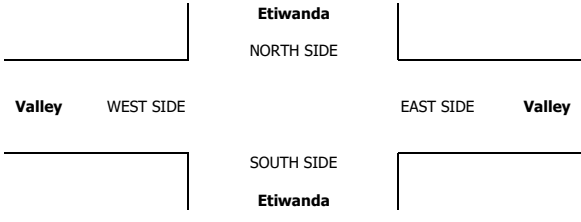
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: JN13149	LOCATION #: 9	CONTROL: SIGNAL
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CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	AM PM MD OTHER	▲ N ◀ W S ▼	E ▶
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2.5	0.5	1	3	0	1	2	1	2	2	1	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

	Etiwanda			Etiwanda			Valley			Valley			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
AM													
7:00 AM	7	18	4	0	23	0	0	0	6	5	1	1	65
7:15 AM	4	17	1	3	22	1	0	1	1	8	1	0	59
7:30 AM	7	15	2	2	29	0	0	0	7	8	1	2	73
7:45 AM	4	11	8	1	20	0	1	0	5	6	2	0	58
8:00 AM	5	22	2	2	31	0	0	1	6	3	3	3	78
8:15 AM	4	20	2	1	28	0	0	0	6	0	2	0	63
8:30 AM	8	28	8	3	29	1	0	0	3	1	3	2	86
8:45 AM	7	30	5	0	22	0	1	0	6	4	0	3	78
VOLUMES	46	161	32	12	204	2	2	2	40	35	13	11	560
APPROACH %	19%	67%	13%	6%	94%	1%	5%	5%	91%	59%	22%	19%	
APP/DEPART	239	/	174	218	/	279	44	/	46	59	/	61	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	24	100	17	6	110	1	1	1	21	8	8	8	305
APPROACH %	17%	71%	12%	5%	94%	1%	4%	4%	91%	33%	33%	33%	
PEAK HR FACTOR	0.801			0.886			0.821			0.667			0.887
APP/DEPART	141	/	109	117	/	139	23	/	24	24	/	33	0
PM													
4:00 PM	9	11	4	1	20	1	3	1	3	7	2	0	62
4:15 PM	1	22	3	0	18	0	1	0	8	2	3	2	60
4:30 PM	1	17	2	0	12	1	3	3	2	2	2	0	45
4:45 PM	3	19	4	1	19	0	0	0	1	2	0	0	49
5:00 PM	3	17	3	0	10	1	2	0	2	6	1	0	45
5:15 PM	2	17	3	2	12	0	0	2	1	1	0	1	41
5:30 PM	5	19	4	0	20	0	0	1	2	4	0	1	56
5:45 PM	8	22	3	0	19	0	0	2	3	2	0	2	61
VOLUMES	32	144	26	4	130	3	9	9	22	26	8	6	419
APPROACH %	16%	71%	13%	3%	95%	2%	23%	23%	55%	65%	20%	15%	
APP/DEPART	202	/	159	137	/	178	40	/	39	40	/	43	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	14	69	13	2	69	2	7	4	14	13	7	2	216
APPROACH %	15%	72%	14%	3%	95%	3%	28%	16%	56%	59%	32%	9%	
PEAK HR FACTOR	0.923			0.830			0.694			0.611			0.871
APP/DEPART	96	/	78	73	/	96	25	/	19	22	/	23	0

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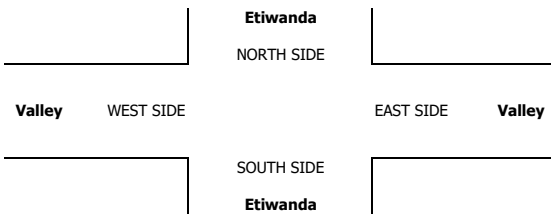
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: LOCATION #: CONTROL:	JN13149 9 SIGNAL
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CLASS 5:	NOTES:	AM PM	▲ N	E ►
RV		◄ W	S ▼	
		OTHER		

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			Valley			Valley			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2.5	0.5	1	3	0	1	2	1	2	2	1	

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

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

AM	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	0	0	0	0	0	0
	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
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	7:00 AM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
PM	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	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	
BEGIN PEAK HR	3:00 PM													
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000	
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0	

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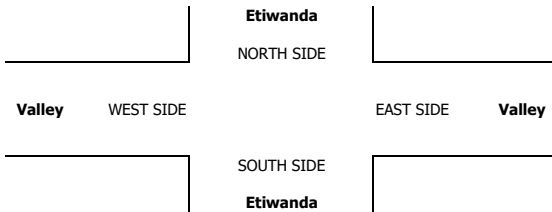
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda Valley	PROJECT #: LOCATION #: CONTROL:	JN13149 9 SIGNAL
CLASS 6:	NOTES:		AM PM MD OTHER OTHER	▲ N E ▶ S ▼
BUSES			◀ W	

LANES:	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND Valley			WESTBOUND Valley			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	2	2.5	0.5	1	3	0	1	2	1	2	2	1	

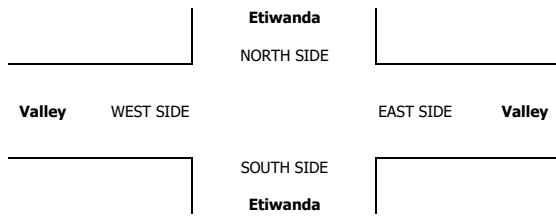
U-TURNS				
NB	SB	EB	WB	TTL
0	0	0	0	0

RTOR			
NRR	SRR	ERR	WRR
X	0	X	X

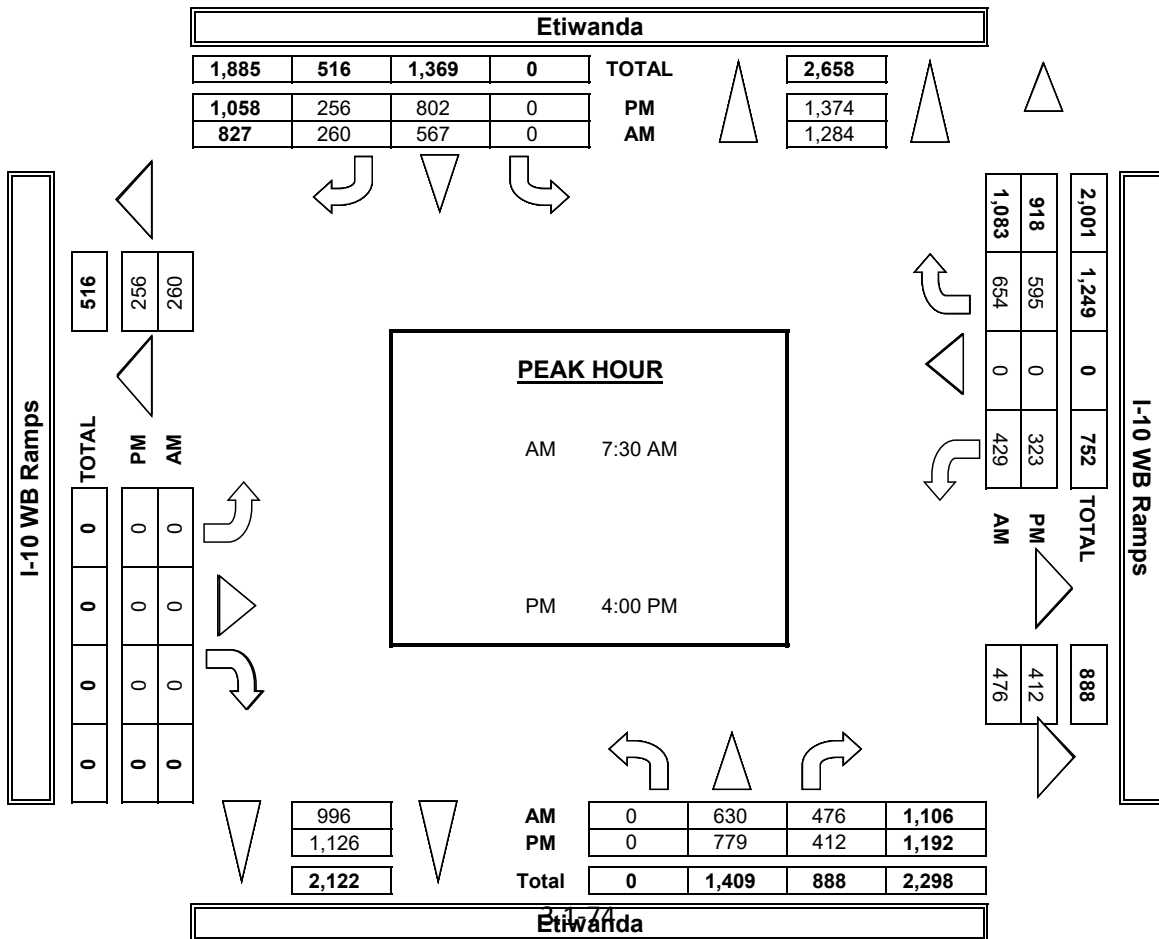
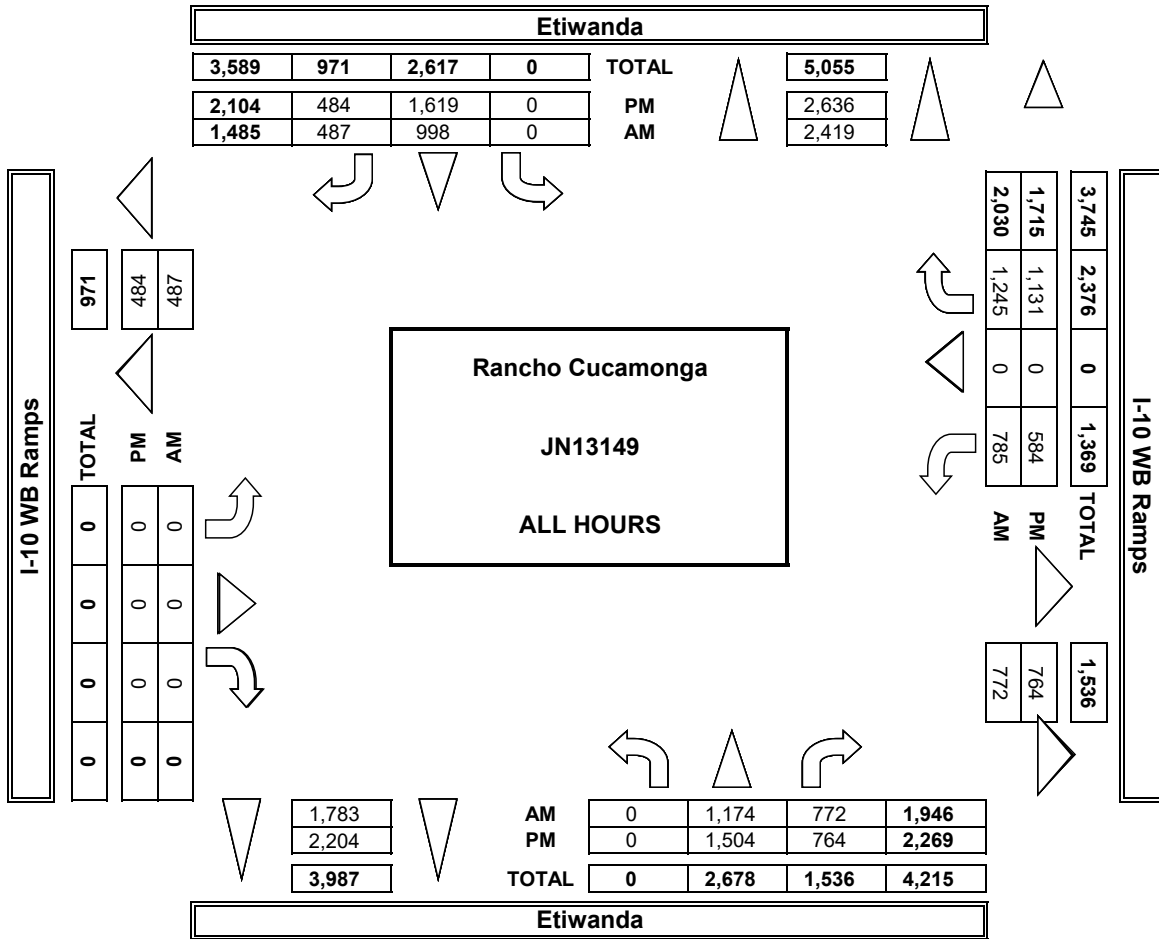
AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	1	0	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
	7:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	2	2	0	0	3	0	0	0	0	0	0	0	7
	APPROACH %	50%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	4	2	0	3	3	0	0	0	0	0	2	0	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	2	1	0	0	3	0	0	0	0	0	0	0	6	
APPROACH %	67%	33%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.750			0.750			0.000			0.000			0.750	
APP/DEPART	3	1	0	3	3	0	0	0	0	0	2	0	0	
PM	4:00 PM	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	
	4:30 PM	0	1	0	0	0	0	0	0	0	0	0	1	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	
	5:30 PM	0	1	0	0	0	1	0	0	0	0	0	2	
	5:45 PM	0	1	0	0	0	0	0	0	0	0	0	1	
	VOLUMES	0	3	0	0	0	1	0	0	0	0	0	4	
	APPROACH %	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%		
APP/DEPART	3	3	0	1	0	0	0	0	0	0	1	0		
BEGIN PEAK HR	5:00 PM													
VOLUMES	0	2	0	0	0	1	0	0	0	0	0	3		
APPROACH %	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%			
PEAK HR FACTOR	0.500			0.250			0.000			0.000			0.375	
APP/DEPART	2	2	0	1	0	0	0	0	0	0	1	0		

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0	0	0	0



AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE:	3/11/20	LOCATION:	Rancho Cucamonga	PROJECT #:	JN13149
WEDNESDAY		NORTH & SOUTH:	Etiwanda	LOCATION #:	10
		EAST & WEST:	I-10 WB Ramps	CONTROL:	SIGNAL

CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	▲ N ◀ W S ▶ E ▼
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	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>I-10 WB Ramps</small>			WESTBOUND <small>I-10 WB Ramps</small>			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
LANES:	X	2	1	X	3	1	X	X	X	1.5	X	1.5	
7:00 AM	0	96	27	0	83	26	0	0	0	98	0	138	468
7:15 AM	0	97	32	0	77	37	0	0	0	92	0	190	525
7:30 AM	0	138	74	0	132	32	0	0	0	103	0	177	656
7:45 AM	0	115	110	0	124	31	0	0	0	115	0	164	659
8:00 AM	0	119	76	0	86	35	0	0	0	74	0	135	525
8:15 AM	0	105	82	0	90	39	0	0	0	64	0	134	514
8:30 AM	0	89	69	0	64	31	0	0	0	70	0	101	424
8:45 AM	0	89	49	0	70	30	0	0	0	40	0	103	381
VOLUMES	0	848	519	0	726	261	0	0	0	656	0	1,142	4,152
APPROACH %	0%	62%	38%	0%	74%	26%	0%	0%	0%	36%	0%	64%	
APP/DEPART	1,367	/	1,990	987	/	1,382	0	/	519	1,798	/	261	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	0	469	292	0	419	135	0	0	0	384	0	666	2,365
APPROACH %	0%	62%	38%	0%	76%	24%	0%	0%	0%	37%	0%	63%	
PEAK HR FACTOR	0.846			0.845			0.000			0.931			0.897
APP/DEPART	761	/	1,135	554	/	803	0	/	292	1,050	/	135	0
4:00 PM	0	164	79	0	185	48	0	0	0	85	0	176	737
4:15 PM	0	162	81	0	154	41	0	0	0	70	0	131	639
4:30 PM	0	152	110	0	206	75	0	0	0	51	0	131	725
4:45 PM	0	164	87	0	138	45	0	0	0	43	0	118	595
5:00 PM	0	146	110	0	211	56	0	0	0	40	0	119	682
5:15 PM	0	147	76	0	220	56	0	0	0	58	0	108	665
5:30 PM	0	145	58	0	175	48	0	0	0	69	0	153	648
5:45 PM	0	151	65	0	118	28	0	0	0	49	0	125	536
VOLUMES	0	1,231	666	0	1,407	397	0	0	0	465	0	1,061	5,229
APPROACH %	0%	65%	35%	0%	78%	22%	0%	0%	0%	30%	0%	70%	
APP/DEPART	1,898	/	2,293	1,805	/	1,873	0	/	666	1,526	/	397	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	0	642	357	0	683	209	0	0	0	249	0	556	2,697
APPROACH %	0%	64%	36%	0%	77%	23%	0%	0%	0%	31%	0%	69%	
PEAK HR FACTOR	0.954			0.794			0.000			0.771			0.914
APP/DEPART	1,000	/	1,198	892	/	933	0	/	357	805	/	209	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
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0	0	0	0	0
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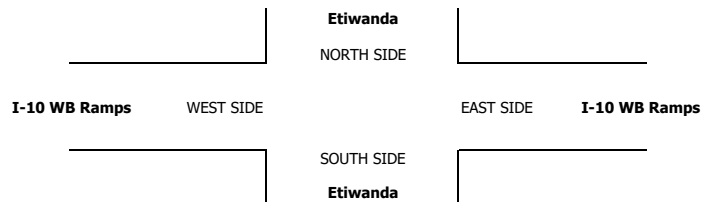
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NRR	SRR	ERR	WRR
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0	0	0	70
0	0	0	32
0	0	0	46
0	0	0	42
0	0	0	46
0	0	0	35
0	0	0	35
0	0	0	352

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0	0	0	44
0	0	0	34
0	0	0	47
0	0	0	41
0	0	0	57
0	0	0	39
0	0	0	357

0	0	0	173
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 WB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 10 SIGNAL
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CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:	AM PM MD OTHER	← W	N S	E →
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LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 WB Ramps			I-10 WB Ramps			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	2	1	X	3	1	X	X	X	1.5	X	1.5	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	X	0

AM	7:00 AM	0	13	5	0	6	4	0	0	0	4	0	2	34
	7:15 AM	0	4	8	0	11	7	0	0	0	5	0	4	39
	7:30 AM	0	9	6	0	13	8	0	0	0	4	0	1	41
	7:45 AM	0	11	12	0	12	5	0	0	0	5	0	1	46
	8:00 AM	0	13	11	0	11	2	0	0	0	6	0	4	47
	8:15 AM	0	12	11	0	7	6	0	0	0	8	0	1	45
	8:30 AM	0	8	12	0	9	3	0	0	0	4	0	2	38
	8:45 AM	0	12	7	0	6	4	0	0	0	5	0	5	39
	VOLUMES	0	82	72	0	75	39	0	0	0	41	0	20	329
	APPROACH %	0%	53%	47%	0%	66%	34%	0%	0%	0%	67%	0%	33%	
APP/DEPART	154	/	102	114	/	116	0	/	72	61	/	39	0	
BEGIN PEAK HR	7:30 AM													
VOLUMES	0	45	40	0	43	21	0	0	0	23	0	7	179	
APPROACH %	0%	53%	47%	0%	67%	33%	0%	0%	0%	77%	0%	23%		
PEAK HR FACTOR	0.885			0.762			0.000			0.750			0.952	
APP/DEPART	85	/	52	64	/	66	0	/	40	30	/	21	0	
PM	4:00 PM	0	7	1	0	7	1	0	0	0	11	0	5	32
	4:15 PM	0	6	5	0	4	0	0	0	8	0	2	25	
	4:30 PM	0	5	0	0	7	2	0	0	0	5	0	2	21
	4:45 PM	0	9	2	0	7	0	0	0	0	4	0	1	23
	5:00 PM	0	6	5	0	2	1	0	0	0	2	0	2	18
	5:15 PM	0	6	2	0	6	0	0	0	0	3	0	2	19
	5:30 PM	0	8	1	0	3	1	0	0	0	1	0	2	16
	5:45 PM	0	6	5	0	7	1	0	0	0	2	0	1	22
	VOLUMES	0	53	21	0	43	6	0	0	0	36	0	17	176
	APPROACH %	0%	72%	28%	0%	88%	12%	0%	0%	0%	68%	0%	32%	
APP/DEPART	74	/	70	49	/	79	0	/	21	53	/	6	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	27	8	0	25	3	0	0	0	28	0	10	101	
APPROACH %	0%	77%	23%	0%	89%	11%	0%	0%	0%	74%	0%	26%		
PEAK HR FACTOR	0.795			0.778			0.000			0.594			0.789	
APP/DEPART	35	/	37	28	/	53	0	/	8	38	/	3	0	

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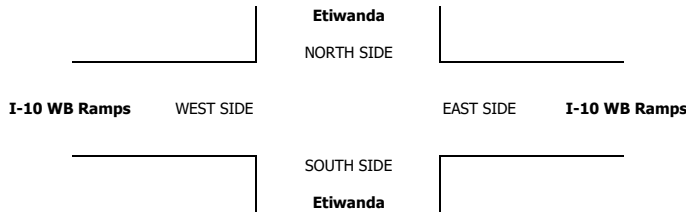
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 WB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 10 SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	AM PM MD OTHER OTHER	◀ W S ▶	▲ N E ▶ S ▼
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 WB Ramps			I-10 WB Ramps			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
7:00 AM	0	4	1	0	11	4	0	0	0	1	0	1	22
7:15 AM	0	8	2	0	7	8	0	0	0	1	0	0	26
7:30 AM	0	11	2	0	8	5	0	0	0	2	0	1	29
7:45 AM	0	8	3	0	3	2	0	0	0	0	0	3	19
8:00 AM	0	4	2	0	8	11	0	0	0	1	0	2	28
8:15 AM	0	9	4	0	1	5	0	0	0	1	0	3	23
8:30 AM	0	14	7	0	7	5	0	0	0	5	0	3	41
8:45 AM	0	13	3	0	10	7	0	0	0	0	0	0	33
VOLUMES	0	71	24	0	55	47	0	0	0	11	0	13	221
APPROACH %	0%	75%	25%	0%	54%	46%	0%	0%	0%	46%	0%	54%	
APP/DEPART	95	/	84	102	/	66	0	/	24	24	/	47	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	0	40	16	0	26	28	0	0	0	7	0	8	125
APPROACH %	0%	71%	29%	0%	48%	52%	0%	0%	0%	47%	0%	53%	
PEAK HR FACTOR	0.667			0.711			0.000			0.469			0.762
APP/DEPART	56	/	48	54	/	33	0	/	16	15	/	28	0
4:00 PM	0	11	0	0	5	10	0	0	0	0	0	1	27
4:15 PM	0	6	1	0	6	3	0	0	0	2	0	0	18
4:30 PM	0	10	0	0	4	3	0	0	0	4	0	2	23
4:45 PM	0	11	2	0	7	4	0	0	0	1	0	1	26
5:00 PM	0	6	1	0	3	6	0	0	0	1	0	1	18
5:15 PM	0	5	1	0	5	2	0	0	0	0	0	2	15
5:30 PM	0	4	3	0	3	1	0	0	0	2	0	0	13
5:45 PM	0	8	2	0	8	2	0	0	0	2	0	0	22
VOLUMES	0	61	10	0	41	31	0	0	0	12	0	7	162
APPROACH %	0%	86%	14%	0%	57%	43%	0%	0%	0%	63%	0%	37%	
APP/DEPART	71	/	68	72	/	53	0	/	10	19	/	31	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	0	38	3	0	22	20	0	0	0	7	0	4	94
APPROACH %	0%	93%	7%	0%	52%	48%	0%	0%	0%	64%	0%	36%	
PEAK HR FACTOR	0.788			0.700			0.000			0.458			0.870
APP/DEPART	41	/	42	42	/	29	0	/	3	11	/	20	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
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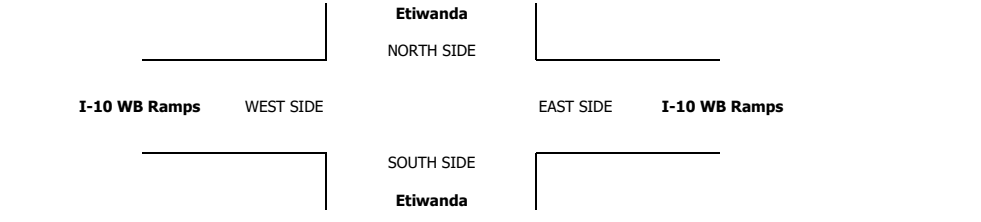
RTOR			
NRR	SRR	ERR	WRR
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 WB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 10 SIGNAL
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:			

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 WB Ramps			I-10 WB Ramps			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	2	1	X	3	1	X	X	X	1.5	X	1.5	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	X	0

AM	7:00 AM	0	23	9	0	18	16	0	0	0	3	0	6	75
	7:15 AM	0	14	11	0	19	12	0	0	0	6	0	8	70
	7:30 AM	0	20	22	0	20	24	0	0	0	7	0	4	97
	7:45 AM	0	16	16	0	15	16	0	0	0	11	0	7	81
	8:00 AM	0	22	21	0	22	18	0	0	0	13	0	7	103
	8:15 AM	0	17	24	0	13	21	0	0	0	15	0	9	99
	8:30 AM	0	33	25	0	17	16	0	0	0	11	0	11	113
	8:45 AM	0	26	29	0	15	17	0	0	0	11	0	16	114
	VOLUMES	0	171	157	0	139	140	0	0	0	77	0	68	752
	APPROACH %	0%	52%	48%	0%	50%	50%	0%	0%	0%	53%	0%	47%	
APP/DEPART	328	/	239	279	/	216	0	/	157	145	/	140	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	0	98	99	0	67	72	0	0	0	50	0	43	429	
APPROACH %	0%	50%	50%	0%	48%	52%	0%	0%	0%	54%	0%	46%		
PEAK HR FACTOR	0.849			0.869			0.000			0.861			0.941	
APP/DEPART	197	/	141	139	/	117	0	/	99	93	/	72	0	
PM	4:00 PM	0	18	13	0	23	7	0	0	0	12	0	6	79
	4:15 PM	0	19	11	0	22	6	0	0	0	10	0	7	75
	4:30 PM	0	14	13	0	10	6	0	0	0	10	0	6	59
	4:45 PM	0	20	7	0	17	5	0	0	0	6	0	6	61
	5:00 PM	0	21	4	0	13	5	0	0	0	8	0	2	53
	5:15 PM	0	17	4	0	9	5	0	0	0	9	0	5	49
	5:30 PM	0	23	10	0	15	11	0	0	0	6	0	5	70
	5:45 PM	0	26	5	0	19	5	0	0	0	9	0	7	71
	VOLUMES	0	158	67	0	128	50	0	0	0	70	0	44	517
	APPROACH %	0%	70%	30%	0%	72%	28%	0%	0%	0%	61%	0%	39%	
APP/DEPART	225	/	202	178	/	198	0	/	67	114	/	50	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	71	44	0	72	24	0	0	0	38	0	25	274	
APPROACH %	0%	62%	38%	0%	75%	25%	0%	0%	0%	60%	0%	40%		
PEAK HR FACTOR	0.927			0.800			0.000			0.875			0.867	
APP/DEPART	115	/	96	96	/	110	0	/	44	63	/	24	0	

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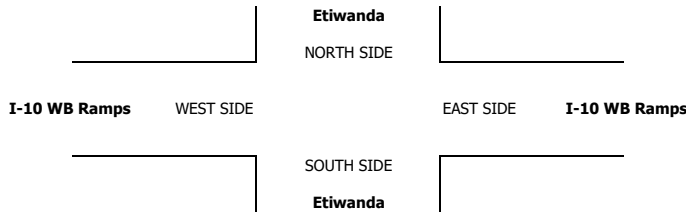
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: I-10 WB Ramps	Rancho Cucamonga Etiwanda I-10 WB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 10 SIGNAL
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CLASS 5: RV	NOTES:	AM PM MD OTHER	▲ N ◀ W S ▶ E ▼
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	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND I-10 WB Ramps			WESTBOUND I-10 WB Ramps			TOTAL
LANES:	NL X	NT 2	NR 1	SL X	ST 3	SR 1	EL X	ET X	ER X	WL 1.5	WT X	WR 1.5	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR X	SRR X	ERR X	WRR 0

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	0	0	0	0	0	0
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
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	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	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0
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	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
BEGIN PEAK HR	3:00 PM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0

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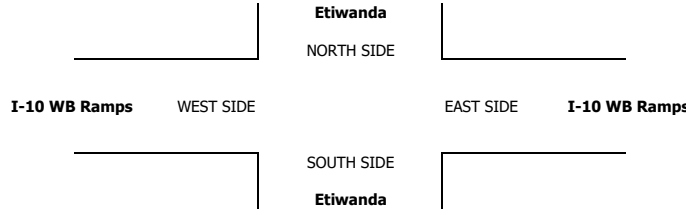
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0	0	0	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 WB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 10 SIGNAL
CLASS 6:	NOTES:		AM PM MD OTHER OTHER	▲ N ◀ W E ▶ S ▼
BUSES				

LANES:	NORTHBOUND Etiwanda			SOUTHBOUND Etiwanda			EASTBOUND I-10 WB Ramps			WESTBOUND I-10 WB Ramps			TOTAL
	NL X	NT 2	NR 1	SL X	ST 3	SR 1	EL X	ET X	ER X	WL 1.5	WT X	WR 1.5	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR X	SRR X	ERR X	WRR 0

AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	1
	7:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	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	1	1
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	2	0	0	3	0	0	0	0	0	0	2	7
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	
APP/DEPART	2	/	4	3	/	3	0	/	0	2	/	0	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	0	2	0	0	3	0	0	0	0	0	0	1	6	
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%		
PEAK HR FACTOR	0.500			0.750			0.000			0.250			0.750	
APP/DEPART	2	/	3	3	/	3	0	/	0	1	/	0	0	
PM	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	0
	4:30 PM	0	1	0	0	0	0	0	0	0	1	0	0	2
	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	0	0	0	0	0	0
	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	0	0	0	0	1	1
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
	VOLUMES	0	1	0	0	0	0	0	0	0	1	0	2	4
	APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	33%	0%	67%	
APP/DEPART	1	/	3	0	/	1	0	/	0	3	/	0	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	0	1	0	0	0	0	0	0	0	1	0	0	2	
APPROACH %	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%		
PEAK HR FACTOR	0.250			0.000			0.000			0.250			0.250	
APP/DEPART	1	/	1	0	/	1	0	/	0	1	/	0	0	

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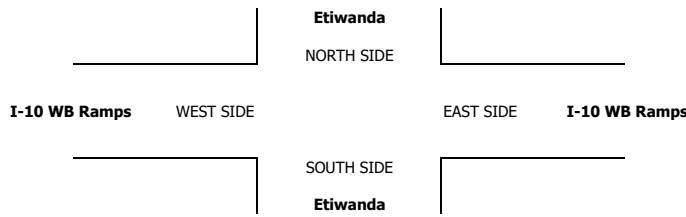
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: Wed, Mar 11, 20 LOCATION: Rancho Cucamonga Etiwanda I-10 EB Ramps PROJECT #: JN13149 LOCATION #: 11 CONTROL: 11 SIGNAL



Add U-Turns to Left Turns

Table with columns for NORTHBOUND, SOUTHBOUND, EASTBOUND, WESTBOUND, and TOTAL, including lane counts (NL, NT, NR, SL, ST, SR, EL, ET, ER, WL, WT, WR).

U-TURNS table with columns NB, SB, EB, WB, TTL.

RTOR table with columns NRR, SRR, ERR, WRR.

Main volume table with rows for AM and PM periods, including VOLUMES, APPROACH %, APP/DEPART, and BEGIN PEAK HR.

U-TURNS table for AM and PM periods.

RTOR table for AM and PM periods.

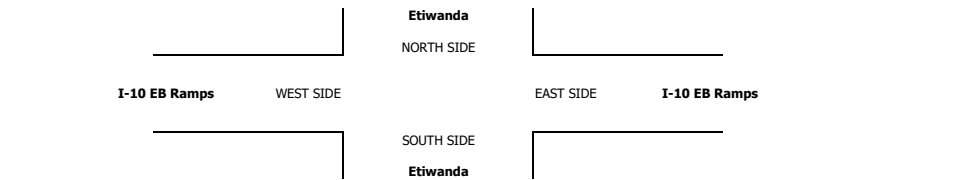


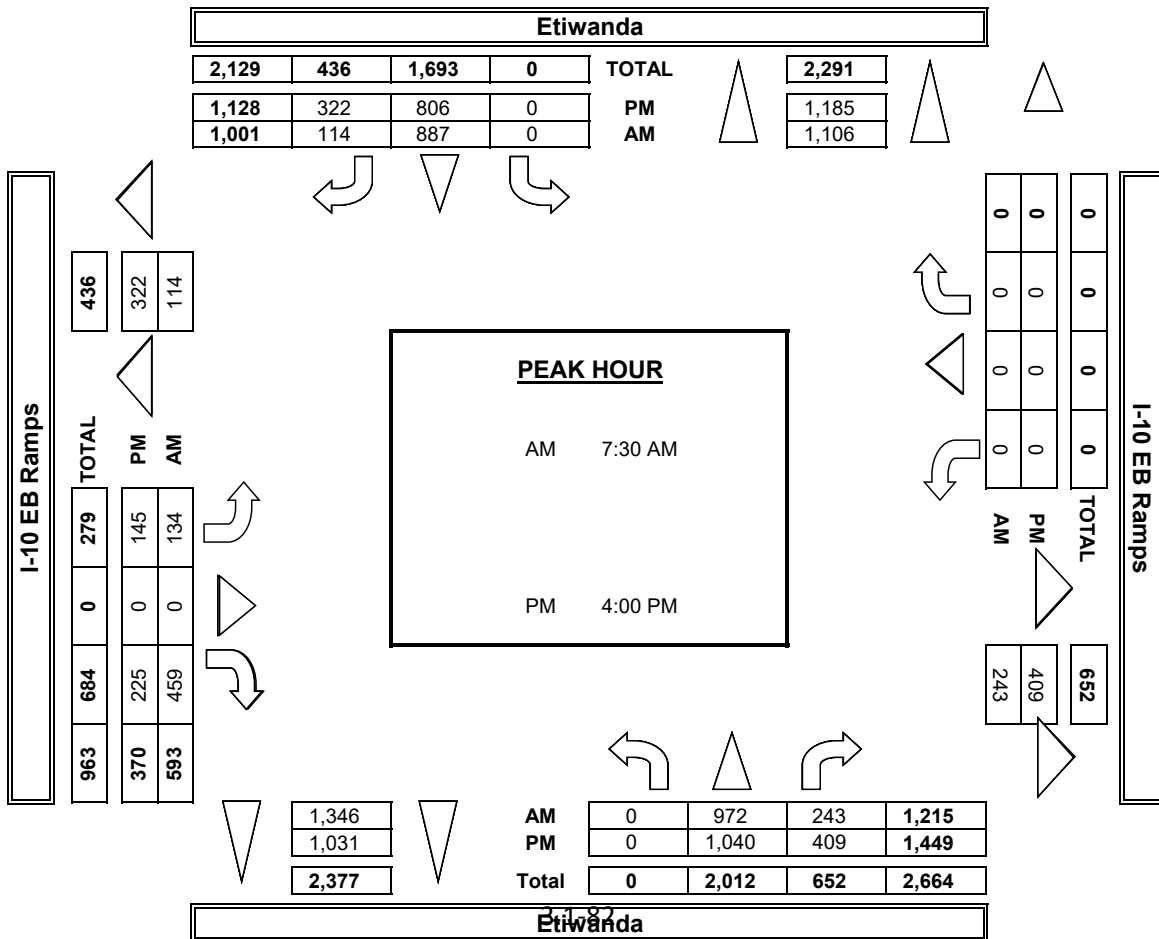
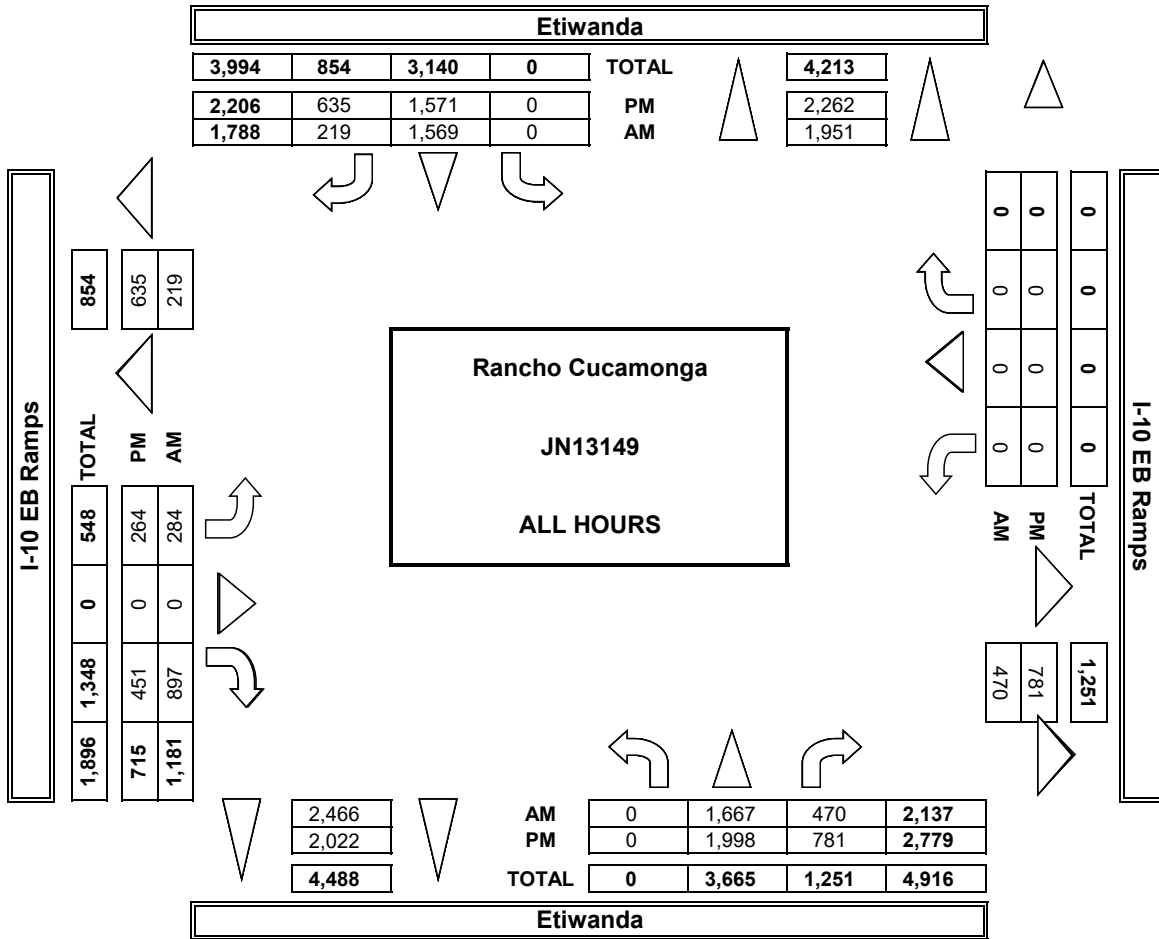
Table for Pedestrian and Bike counts by time period (AM and PM).

ALL PED AND BIKE table with columns E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

PEDESTRIAN CROSSINGS table with columns E SIDE, W SIDE, S SIDE, N SIDE, TOTAL.

BICYCLE CROSSINGS table with columns ES, WS, SS, NS, TOTAL.

AimTD LLC
TURNING MOVEMENT COUNTS



INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 EB Ramps	PROJECT #: LOCATION #: CONTROL:	JN13149 11 SIGNAL
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CLASS 1: PASSENGER VEHICLES	NOTES:	AM PM MD OTHER OTHER	
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	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 EB Ramps			I-10 EB Ramps			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
7:00 AM	0	102	44	0	167	14	21	0	101	0	0	0	449
7:15 AM	0	107	40	0	153	16	27	0	104	0	0	0	447
7:30 AM	0	186	45	0	219	16	26	0	93	0	0	0	585
7:45 AM	0	205	40	0	222	17	20	0	134	0	0	0	638
8:00 AM	0	184	41	0	149	16	11	0	76	0	0	0	477
8:15 AM	0	179	34	0	122	32	8	0	61	0	0	0	436
8:30 AM	0	146	24	0	118	16	12	0	71	0	0	0	387
8:45 AM	0	131	28	0	89	21	7	0	61	0	0	0	337
VOLUMES	0	1,240	296	0	1,239	148	132	0	701	0	0	0	3,756
APPROACH %	0%	81%	19%	0%	89%	11%	16%	0%	84%	0%	0%	0%	0%
APP/DEPART	1,536	/	1,372	1,387	/	1,940	833	/	296	0	/	148	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	0	682	166	0	743	65	84	0	407	0	0	0	2,147
APPROACH %	0%	80%	20%	0%	92%	8%	17%	0%	83%	0%	0%	0%	0%
PEAK HR FACTOR	0.865			0.845			0.797			0.000			0.841
APP/DEPART	848	/	766	808	/	1,150	491	/	166	0	/	65	0
4:00 PM	0	224	102	0	177	94	20	0	47	0	0	0	664
4:15 PM	0	212	67	0	159	67	31	0	39	0	0	0	575
4:30 PM	0	235	111	0	177	80	20	0	37	0	0	0	660
4:45 PM	0	227	85	0	124	57	24	0	36	0	0	0	553
5:00 PM	0	241	88	0	172	79	15	0	42	0	0	0	637
5:15 PM	0	206	83	0	181	97	17	0	47	0	0	0	631
5:30 PM	0	178	77	0	179	65	25	0	41	0	0	0	565
5:45 PM	0	198	63	0	118	49	18	0	33	0	0	0	479
VOLUMES	0	1,721	676	0	1,287	588	170	0	322	0	0	0	4,764
APPROACH %	0%	72%	28%	0%	69%	31%	35%	0%	65%	0%	0%	0%	0%
APP/DEPART	2,397	/	1,891	1,875	/	1,609	492	/	676	0	/	588	0
BEGIN PEAK HR	4:30 PM												
VOLUMES	0	909	367	0	654	313	76	0	162	0	0	0	2,481
APPROACH %	0%	71%	29%	0%	68%	32%	32%	0%	68%	0%	0%	0%	0%
PEAK HR FACTOR	0.922			0.870			0.930			0.000			0.940
APP/DEPART	1,276	/	985	967	/	816	238	/	367	0	/	313	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

RTOR			
NRR	SRR	ERR	WRR
0	0	23	0
0	0	33	0
0	0	14	0
0	0	23	0
0	0	16	0
0	0	17	0
0	0	29	0
0	0	32	0
0	0	187	0

0	0	86	0
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0	0	59	0
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Etiwanda
NORTH SIDE

I-10 EB Ramps WEST SIDE
EAST SIDE I-10 EB Ramps

SOUTH SIDE
Etiwanda

INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: I-10 EB Ramps	Rancho Cucamonga Etiwanda I-10 EB Ramps	PROJECT #: JN13149	LOCATION #: 11	CONTROL: SIGNAL																
CLASS 2: 2-AXLE WORK VEHICLES/ TRUCKS	NOTES:				<table border="1"> <tr> <td>AM</td> <td></td> <td>▲</td> <td></td> </tr> <tr> <td>PM</td> <td></td> <td>▼</td> <td></td> </tr> <tr> <td>MD</td> <td>◀ W</td> <td></td> <td>E ▶</td> </tr> <tr> <td>OTHER</td> <td></td> <td>S</td> <td></td> </tr> </table>	AM		▲		PM		▼		MD	◀ W		E ▶	OTHER		S	
AM		▲																			
PM		▼																			
MD	◀ W		E ▶																		
OTHER		S																			

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 EB Ramps			I-10 EB Ramps			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	3	1	X	2	1	1.5	X	1.5	X	X	X	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	0	X
0	0	3	0
0	0	4	0
0	0	1	0
0	0	0	0
0	0	2	0
0	0	3	0
0	0	3	0
0	0	4	0
0	0	20	0

AM	7:00 AM	0	17	4	0	9	1	1	0	9	0	0	0	41
	7:15 AM	0	10	8	0	14	2	2	0	6	0	0	0	42
	7:30 AM	0	13	7	0	15	2	2	0	3	0	0	0	42
	7:45 AM	0	19	8	0	13	4	4	0	4	0	0	0	52
	8:00 AM	0	22	6	0	15	2	2	0	8	0	0	0	55
	8:15 AM	0	22	4	0	15	0	1	0	5	0	0	0	47
	8:30 AM	0	18	9	0	12	1	2	0	8	0	0	0	50
	8:45 AM	0	16	5	0	11	0	3	0	6	0	0	0	41
	VOLUMES	0	137	51	0	104	12	17	0	49	0	0	0	370
	APPROACH %	0%	73%	27%	0%	90%	10%	26%	0%	74%	0%	0%	0%	
APP/DEPART	188	/	154	116	/	153	66	/	51	0	/	12	0	
BEGIN PEAK HR	7:45 AM													
VOLUMES	0	81	27	0	55	7	9	0	25	0	0	0	204	
APPROACH %	0%	75%	25%	0%	89%	11%	26%	0%	74%	0%	0%	0%		
PEAK HR FACTOR	0.964		0.912			0.850		0.000		0.927				
APP/DEPART	108	/	90	62	/	80	34	/	27	0	/	7	0	
PM	4:00 PM	0	7	4	0	17	1	1	0	3	0	0	0	33
	4:15 PM	0	11	3	0	9	3	0	0	7	0	0	0	33
	4:30 PM	0	5	0	0	12	0	0	0	2	0	0	0	19
	4:45 PM	0	5	4	0	9	2	6	0	3	0	0	0	29
	5:00 PM	0	10	5	0	1	3	1	0	2	0	0	0	22
	5:15 PM	0	7	2	0	9	0	1	0	3	0	0	0	22
	5:30 PM	0	9	5	0	4	0	0	0	6	0	0	0	24
	5:45 PM	0	9	0	0	6	3	2	0	3	0	0	0	23
	VOLUMES	0	63	23	0	67	12	11	0	29	0	0	0	205
	APPROACH %	0%	73%	27%	0%	85%	15%	28%	0%	73%	0%	0%	0%	
APP/DEPART	86	/	74	79	/	96	40	/	23	0	/	12	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	28	11	0	47	6	7	0	15	0	0	0	114	
APPROACH %	0%	72%	28%	0%	89%	11%	32%	0%	68%	0%	0%	0%		
PEAK HR FACTOR	0.696		0.736			0.611		0.000		0.864				
APP/DEPART	39	/	35	53	/	62	22	/	11	0	/	6	0	

0	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

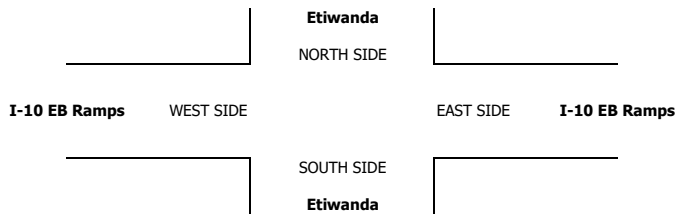
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0	0	4	0
0	0	1	0
0	0	0	0
0	0	2	0
0	0	3	0
0	0	3	0
0	0	4	0
0	0	20	0

0	0	8	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

0	0	2	0
0	0	1	0
0	0	1	0
0	0	3	0
0	0	0	0
0	0	1	0
0	0	2	0
0	0	1	0
0	0	11	0

0	0	7	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: I-10 EB Ramps	PROJECT #: JN13149 LOCATION #: 11 CONTROL: SIGNAL
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CLASS 3: 3-AXLE TRUCKS	NOTES:	<table style="margin: auto;"> <tr> <td style="border: 1px solid black; padding: 2px;">AM</td> <td style="border: 1px solid black; padding: 2px;">▲</td> <td style="border: 1px solid black; padding: 2px;">N</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">PM</td> <td style="border: 1px solid black; padding: 2px;">◀</td> <td style="border: 1px solid black; padding: 2px;">W</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">MD</td> <td style="border: 1px solid black; padding: 2px;">E</td> <td style="border: 1px solid black; padding: 2px;">▶</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">OTHER</td> <td style="border: 1px solid black; padding: 2px;">▼</td> <td style="border: 1px solid black; padding: 2px;">S</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">OTHER</td> <td style="border: 1px solid black; padding: 2px;">▼</td> <td style="border: 1px solid black; padding: 2px;">S</td> </tr> </table>	AM	▲	N	PM	◀	W	MD	E	▶	OTHER	▼	S	OTHER	▼	S
AM	▲	N															
PM	◀	W															
MD	E	▶															
OTHER	▼	S															
OTHER	▼	S															

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	Etiwanda			Etiwanda			I-10 EB Ramps			I-10 EB Ramps			
LANES:	NL X	NT 3	NR 1	SL X	ST 2	SR 1	EL 1.5	ET X	ER 1.5	WL X	WT X	WR X	
AM													
7:00 AM	0	3	0	0	12	0	2	0	3	0	0	0	20
7:15 AM	0	5	1	0	8	0	5	0	0	0	0	0	19
7:30 AM	0	7	3	0	8	2	6	0	0	0	0	0	26
7:45 AM	0	6	1	0	2	1	5	0	1	0	0	0	16
8:00 AM	0	3	0	0	7	2	3	0	3	0	0	0	18
8:15 AM	0	8	2	0	2	0	5	0	4	0	0	0	21
8:30 AM	0	14	3	0	11	1	7	0	3	0	0	0	39
8:45 AM	0	9	5	0	5	5	7	0	1	0	0	0	32
VOLUMES	0	55	15	0	55	11	40	0	15	0	0	0	191
APPROACH %	0%	79%	21%	0%	83%	17%	73%	0%	27%	0%	0%	0%	
APP/DEPART	70	/	95	66	/	70	55	/	15	0	/	11	0
BEGIN PEAK HR	8:00 AM												
VOLUMES	0	34	10	0	25	8	22	0	11	0	0	0	110
APPROACH %	0%	77%	23%	0%	76%	24%	67%	0%	33%	0%	0%	0%	
PEAK HR FACTOR	0.647			0.688			0.825			0.000			0.705
APP/DEPART	44	/	56	33	/	36	33	/	10	0	/	8	0
PM													
4:00 PM	0	8	3	0	4	1	3	0	0	0	0	0	19
4:15 PM	0	7	0	0	8	0	0	0	5	0	0	0	20
4:30 PM	0	7	0	0	8	0	3	0	1	0	0	0	19
4:45 PM	0	8	1	0	8	0	5	0	3	0	0	0	25
5:00 PM	0	3	0	0	4	0	4	0	1	0	0	0	12
5:15 PM	0	5	4	0	4	1	1	0	1	0	0	0	16
5:30 PM	0	7	1	0	5	0	0	0	2	0	0	0	15
5:45 PM	0	9	3	0	8	2	1	0	0	0	0	0	23
VOLUMES	0	54	12	0	49	4	17	0	13	0	0	0	149
APPROACH %	0%	82%	18%	0%	92%	8%	57%	0%	43%	0%	0%	0%	
APP/DEPART	66	/	71	53	/	62	30	/	12	0	/	4	0
BEGIN PEAK HR	4:00 PM												
VOLUMES	0	30	4	0	28	1	11	0	9	0	0	0	83
APPROACH %	0%	88%	12%	0%	97%	3%	55%	0%	45%	0%	0%	0%	
PEAK HR FACTOR	0.773			0.906			0.625			0.000			0.830
APP/DEPART	34	/	41	29	/	37	20	/	4	0	/	1	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

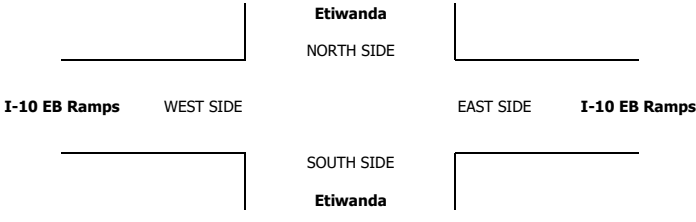
RTOR			
NRR	SRR	ERR	WRR
X	X	0	X
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	2	0
0	0	3	0
0	0	1	0
0	0	0	0
0	0	6	0

0	0	6	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
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0	0	2	0
0	0	0	0
0	0	1	0
0	0	1	0
0	0	0	0
0	0	7	0

0	0	5	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: I-10 EB Ramps	PROJECT #: JN13149 LOCATION #: 11 CONTROL: SIGNAL																					
CLASS 4: 4 OR MORE AXLE TRUCKS	NOTES:	<table border="1" style="margin: auto;"> <tr> <td>AM</td> <td></td> <td>▲</td> <td></td> </tr> <tr> <td>PM</td> <td></td> <td>N</td> <td></td> </tr> <tr> <td>MD</td> <td>◀ W</td> <td></td> <td>E ▶</td> </tr> <tr> <td>OTHER</td> <td></td> <td>S</td> <td></td> </tr> <tr> <td></td> <td></td> <td>▼</td> <td></td> </tr> </table>		AM		▲		PM		N		MD	◀ W		E ▶	OTHER		S				▼	
AM		▲																					
PM		N																					
MD	◀ W		E ▶																				
OTHER		S																					
		▼																					

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	3	1	X	2	1	1.5	X	1.5	X	X	X	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	0	X

AM	7:00 AM	0	19	9	0	13	8	13	0	18	0	0	0	80
	7:15 AM	0	17	10	0	19	6	8	0	16	0	0	0	76
	7:30 AM	0	32	10	0	26	1	10	0	16	0	0	0	95
	7:45 AM	0	24	10	0	21	5	8	0	18	0	0	0	86
	8:00 AM	0	28	15	0	28	7	15	0	19	0	0	0	112
	8:15 AM	0	33	17	0	22	6	8	0	14	0	0	0	100
	8:30 AM	0	38	20	0	21	7	20	0	19	0	0	0	125
	8:45 AM	0	42	17	0	19	7	13	0	12	0	0	0	110
	VOLUMES	0	233	108	0	169	47	95	0	132	0	0	0	784
	APPROACH %	0%	68%	32%	0%	78%	22%	42%	0%	58%	0%	0%	0%	
APP/DEPART	341	/	328	216	/	301	227	/	108	0	/	47	0	
BEGIN PEAK HR	8:00 AM													
VOLUMES	0	141	69	0	90	27	56	0	64	0	0	0	447	
APPROACH %	0%	67%	33%	0%	77%	23%	47%	0%	53%	0%	0%	0%		
PEAK HR FACTOR	0.890			0.836			0.769			0.000			0.894	
APP/DEPART	210	/	197	117	/	154	120	/	69	0	/	27	0	
PM	4:00 PM	0	23	9	0	34	1	8	0	14	0	0	0	89
	4:15 PM	0	19	2	0	24	8	11	0	13	0	0	0	77
	4:30 PM	0	22	5	0	18	2	5	0	10	0	0	0	62
	4:45 PM	0	19	13	0	17	6	8	0	5	0	0	0	68
	5:00 PM	0	17	12	0	19	2	8	0	6	0	0	0	64
	5:15 PM	0	16	16	0	17	1	5	0	9	0	0	0	64
	5:30 PM	0	24	7	0	14	7	9	0	14	0	0	0	75
	5:45 PM	0	19	6	0	24	4	12	0	16	0	0	0	81
	VOLUMES	0	159	70	0	167	31	66	0	87	0	0	0	580
	APPROACH %	0%	69%	31%	0%	84%	16%	43%	0%	57%	0%	0%	0%	
APP/DEPART	229	/	225	198	/	254	153	/	70	0	/	31	0	
BEGIN PEAK HR	4:00 PM													
VOLUMES	0	83	29	0	93	17	32	0	42	0	0	0	296	
APPROACH %	0%	74%	26%	0%	85%	15%	43%	0%	57%	0%	0%	0%		
PEAK HR FACTOR	0.875			0.786			0.771			0.000			0.831	
APP/DEPART	112	/	115	110	/	135	74	/	29	0	/	17	0	

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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
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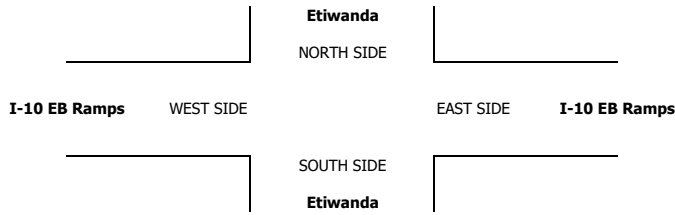
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0	0	1	0
0	0	26	0

0	0	16	0
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0	0	3	0
0	0	0	0
0	0	6	0
0	0	5	0
0	0	8	0
0	0	38	0

0	0	19	0
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: Etiwanda EAST & WEST: I-10 EB Ramps	PROJECT #: JN13149 LOCATION #: 11 CONTROL: SIGNAL
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CLASS 5: RV	NOTES:	<table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">AM</td> <td style="padding: 2px;">▲</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">PM</td> <td style="padding: 2px;">◀</td> <td style="padding: 2px;">E ▶</td> </tr> <tr> <td style="padding: 2px;">MD</td> <td style="padding: 2px;">W</td> <td style="padding: 2px;">S</td> </tr> <tr> <td style="padding: 2px;">OTHER</td> <td style="padding: 2px;">▼</td> <td style="padding: 2px;"></td> </tr> </table>	AM	▲	N	PM	◀	E ▶	MD	W	S	OTHER	▼	
AM	▲	N												
PM	◀	E ▶												
MD	W	S												
OTHER	▼													

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	X	3	1	X	2	1	1.5	X	1.5	X	X	X	

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

RTOR			
NRR	SRR	ERR	WRR
X	X	0	X

AM	7:00 AM	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
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	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
	8:15 AM	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
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	
BEGIN PEAK HR	7:00 AM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	
PM	4:00 PM	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
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	
BEGIN PEAK HR	3:00 PM												
VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	
APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PEAK HR FACTOR	0.000			0.000			0.000			0.000			0.000
APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	

0	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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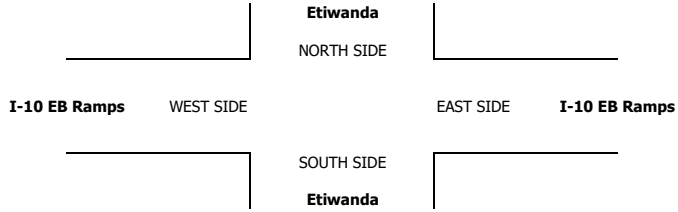
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INTERSECTION TURNING MOVEMENT COUNTS

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

DATE: 3/11/20 WEDNESDAY	LOCATION: NORTH & SOUTH: EAST & WEST:	Rancho Cucamonga Etiwanda I-10 EB Ramps	PROJECT #: JN13149 LOCATION #: 11 CONTROL: SIGNAL
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CLASS 6:	NOTES:	AM PM MD OTHER	▲ N E ▶	◀ W S ▼
BUSES				

LANES:	NORTHBOUND <small>Etiwanda</small>			SOUTHBOUND <small>Etiwanda</small>			EASTBOUND <small>I-10 EB Ramps</small>			WESTBOUND <small>I-10 EB Ramps</small>			TOTAL
	NL X	NT 3	NR 1	SL X	ST 2	SR 1	EL 1.5	ET X	ER 1.5	WL X	WT X	WR X	

U-TURNS				
NB	SB	EB	WB	TTL

RTOR			
NRR X	SRR X	ERR 0	WRR X

AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	1	0	0	0	1	0	0	0	0	0	0	2
	8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
	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
	VOLUMES	0	2	0	0	2	1	0	0	0	0	0	0	5
	APPROACH %	0%	100%	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%	
APP/DEPART	2	/	2	3	/	2	0	/	0	0	/	1	0	
BEGIN PEAK HR	7:15 AM													
VOLUMES	0	2	0	0	2	1	0	0	0	0	0	0	5	
APPROACH %	0%	100%	0%	0%	67%	33%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.500			0.750			0.000			0.000			0.625	
APP/DEPART	2	/	2	3	/	2	0	/	0	0	/	1	0	
PM	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	0
	4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
	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	0	0	0	0	0	0
	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	0	0	0	0	0	0
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	VOLUMES	0	1	0	0	1	0	0	0	0	0	0	0	2
	APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	
APP/DEPART	1	/	1	1	/	1	0	/	0	0	/	0	0	
BEGIN PEAK HR	4:30 PM													
VOLUMES	0	1	0	0	1	0	0	0	0	0	0	0	2	
APPROACH %	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%		
PEAK HR FACTOR	0.250			0.250			0.000			0.000			0.250	
APP/DEPART	1	/	1	1	/	1	0	/	0	0	/	0	0	

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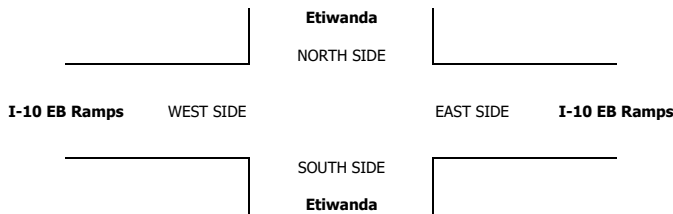
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24-HOUR ROADWAY SEGMENT COUNTS (WITH FHWA CLASSIFICATION)

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

DATE: Wednesday, March 11, 2020
JOB #: JN13149

LOCATION# Rancho Cucamonga
#N/A

Main data table with columns for AM TIME, EASTBOUND (1-13), TOTAL, PM Time, EASTBOUND (1-13), and TOTAL. Includes AM PEAK HOUR (11:00 AM) and PM PEAK HOUR (3:45 PM) summaries.

CLASS 1 Class 1 — Motorcycles, CLASS 2 Passenger Cars, CLASS 3 2 Axles, 4-Tire Single Units, CLASS 4 Buses, CLASS 5 2 Axles, 6-Tire Single Units, CLASS 6 3 Axles, Single Unit, CLASS 7 4 or More Axles, Single Unit, CLASS 8 3 to 4 Axles, Single Trailer, CLASS 9 5 Axles, Single Trailer, CLASS 10 6 or More Axles, Single Trailer, CLASS 11 5 or Less Axles, Multi-Trailers, CLASS 12 6 Axles, Multi-Trailers, CLASS 13 7 or More Axles, Multi-Trailers.

TOTAL: AM+PM and % OF TOTAL tables. Includes a Class breakdown table with columns 1-13 and a second TOTAL: ALL and % OF TOTAL table.

