

February 16, 2010
SDB055800

Mr. Jose Lopez
San Diego Gas & Electric
Underground Construction and Engineering
8315 Century Park Court, CP21G
San Diego, CA 92123

SUBJECT: Evaluation of Alpine Boulevard Traffic Counts

Dear Mr. Lopez:

This is to present an evaluation of the traffic counts recently collected for the Alpine Boulevard TL23054 and TL23055 underground project. On February 9, 2010 our subconsultant, KOA Corporation with assistance from True Count obtained counts of vehicle movements at the following locations:

- Signalized intersections of Alpine Boulevard at Tavern Road; Arnold Way/West Victoria Drive; and South Grade Road/East Victoria Drive
- Tavern Road at the I-8 on and off ramps, westbound and eastbound locations

The intent of the field work and the data summarized in the attached graphics is to aid in SDG&E's response to Mitigation Measure T-9(a) of the EIR, which calls for a Construction Transportation Management Plan (CTMP) to ultimately secure a Notice to Proceed with the Alpine Boulevard underground work. Note that the CTMP is not a traffic control plan.

Volumes were determined for the AM peak and PM peak. The various intersections, movements, and volumes are represented in the attached graphics. The AM and PM peaks were as follows:

- Alpine Boulevard at Tavern Road:
 - AM Peak, 8:00 AM to 9:00 AM
 - PM Peak, 4:45 PM to 5:45 PM
- Alpine Boulevard at Arnold Way:
 - AM Peak, 8:00 AM to 9:00 AM
 - PM Peak, 4:00 PM to 5:00 PM
- Alpine Boulevard at South Grade Road:
 - AM Peak, 8:00 AM to 9:00 AM
 - PM Peak, 4:15 PM to 5:15 PM
- Tavern Road at I-8 Westbound on and off ramps:

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AM Peak, 7:00 AM to 8:00 AM

PM Peak, 4:15 PM to 5:15 PM

- Tavern Road at I-8 Eastbound on and off ramps:
 - AM Peak, 7:00 AM to 8:00 AM
 - PM Peak, 4:30 PM to 5:30 PM

Although intersection analysis was not performed, based on the volumes recorded and the geometry of the intersections, the intersections appear to operate at acceptable levels of service.

Based on the data provided and in response to Mitigation Measure T-9(a) of the EIR we submit the following relative to traffic and transportation in the Alpine Boulevard work zone:

TL23054 and TL23055 underground construction is generally in the middle of Alpine Boulevard and will affect traffic in both directions. At the intersections, the planned construction includes at least two phases to trench across the intersections. This proposed construction phasing is typical for constructing underground utilities through a signalized intersection. As part of the construction, certain lanes will be closed and traffic will be diverted around the construction zone for relatively short durations over the period of a few days at each intersection. During this time, the traffic signals could be adjusted to allow more green time for those movements with additional diverted traffic. The County of San Diego will accept the responsibility of adjusting traffic signal timing in the field.

Generally, construction affecting roadways in areas of congestion and commuter travel could be scheduled to start after the morning peak and end before the evening peak. Based on the volumes recorded, the working hours could be adjusted to 9:00 AM to 3:30 PM. This would help alleviate the potential for traffic impacts.

Ultimately, the County will direct the work hours.

Construction will be able to proceed with a resultant acceptable level of service. The mitigation for the construction zone is the traffic control plan now being reviewed by the County. Implementation of the traffic control plan will mitigate against concerns of safety, convenience, and overall impacts to the local community due to the anticipated construction. This approach is consistent with T-9(a).



We are available at your convenience to review the attached data and the summary outlined above.

Sincerely,

Nolte Associates, Inc.


James R. Hettinger, P.E., LEED AP
Associate

Attachment

LEGEND	
	Lane Configuration
	Traffic Signal/Stop Sign

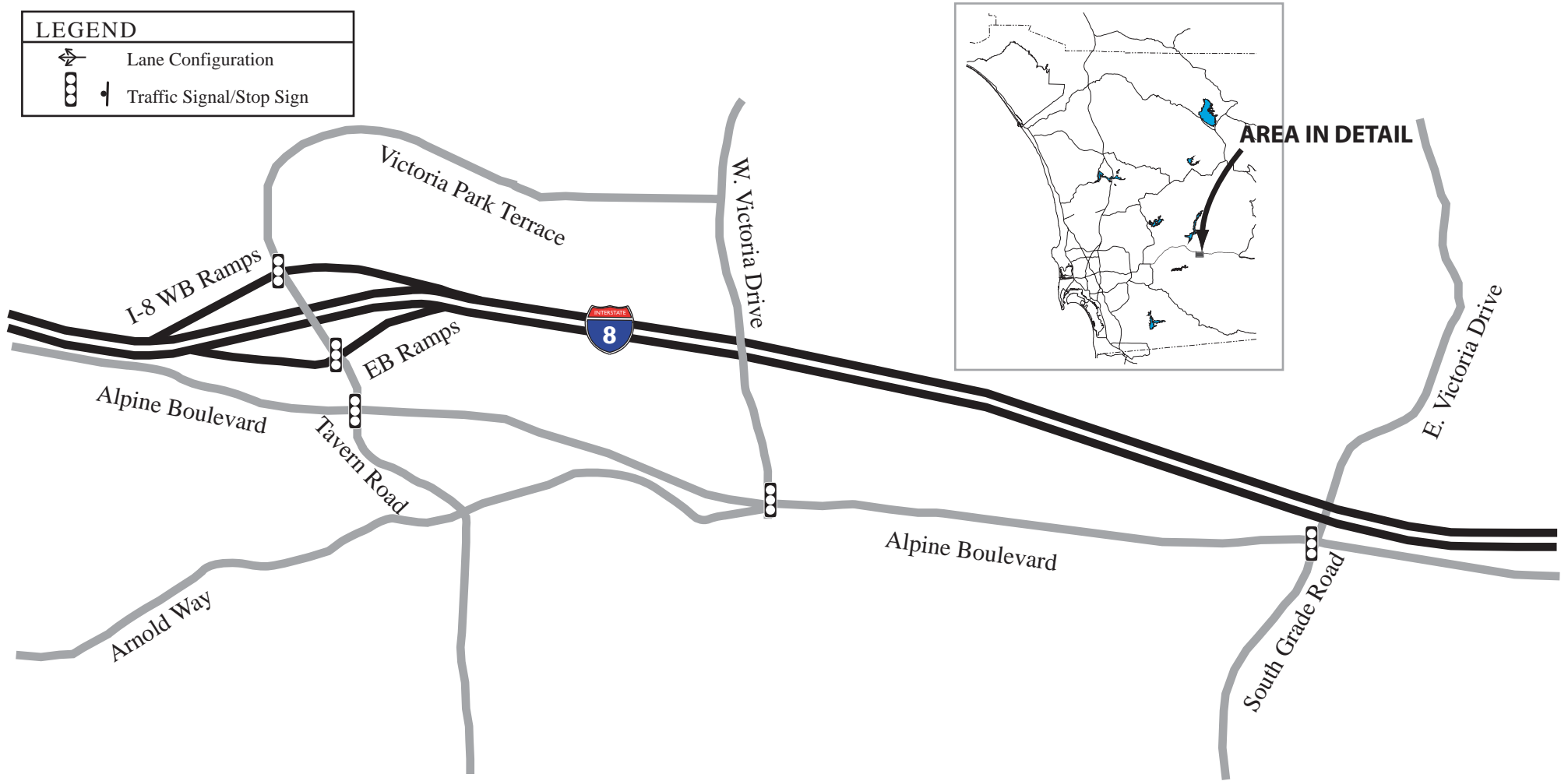


Figure 1
Project Area



Not To Scale

LEGEND	
10/20 ↗	AM/PM Peak Hour Traffic

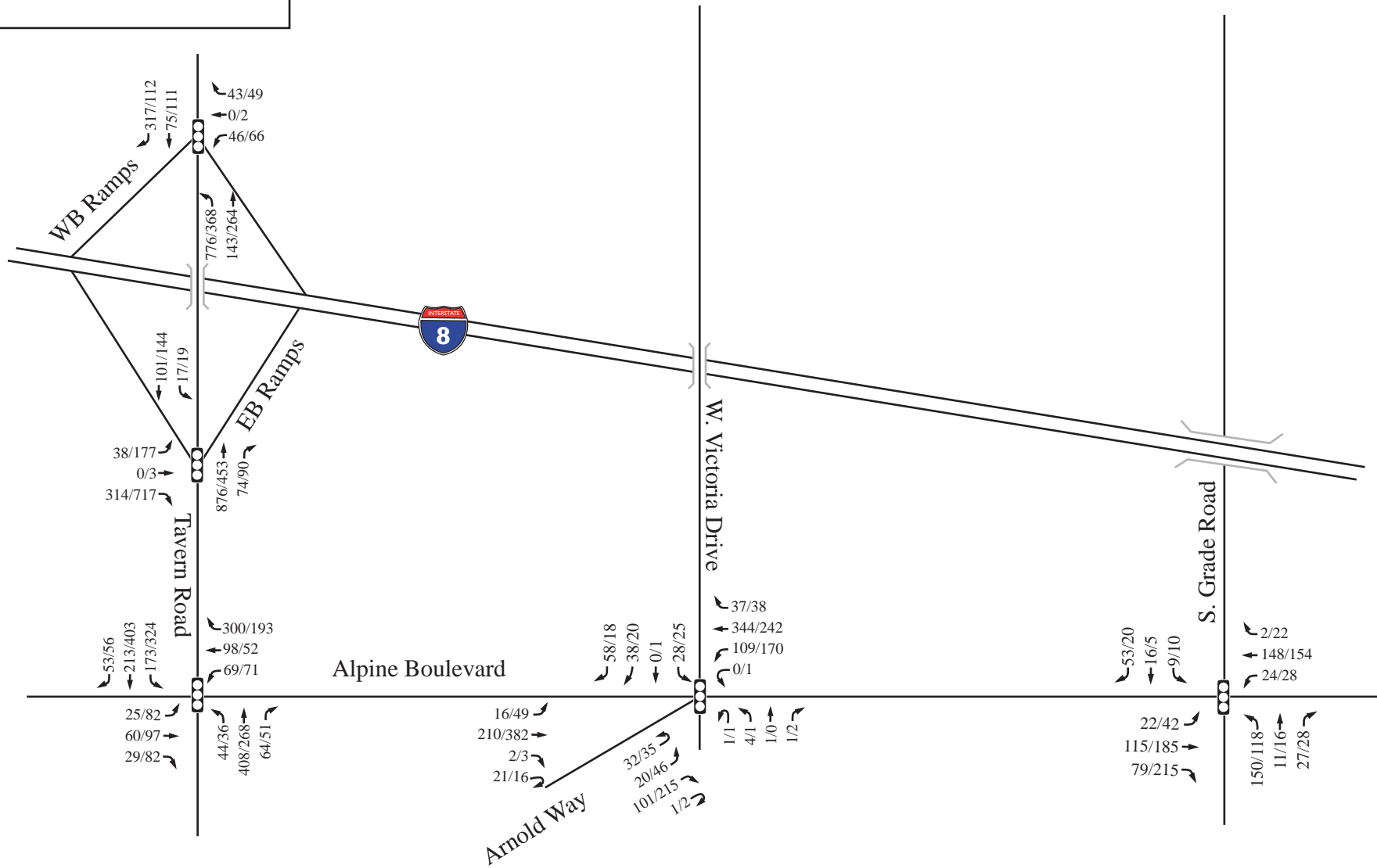


Figure 2
Existing AM/PM Peak Hour Intersection Volumes

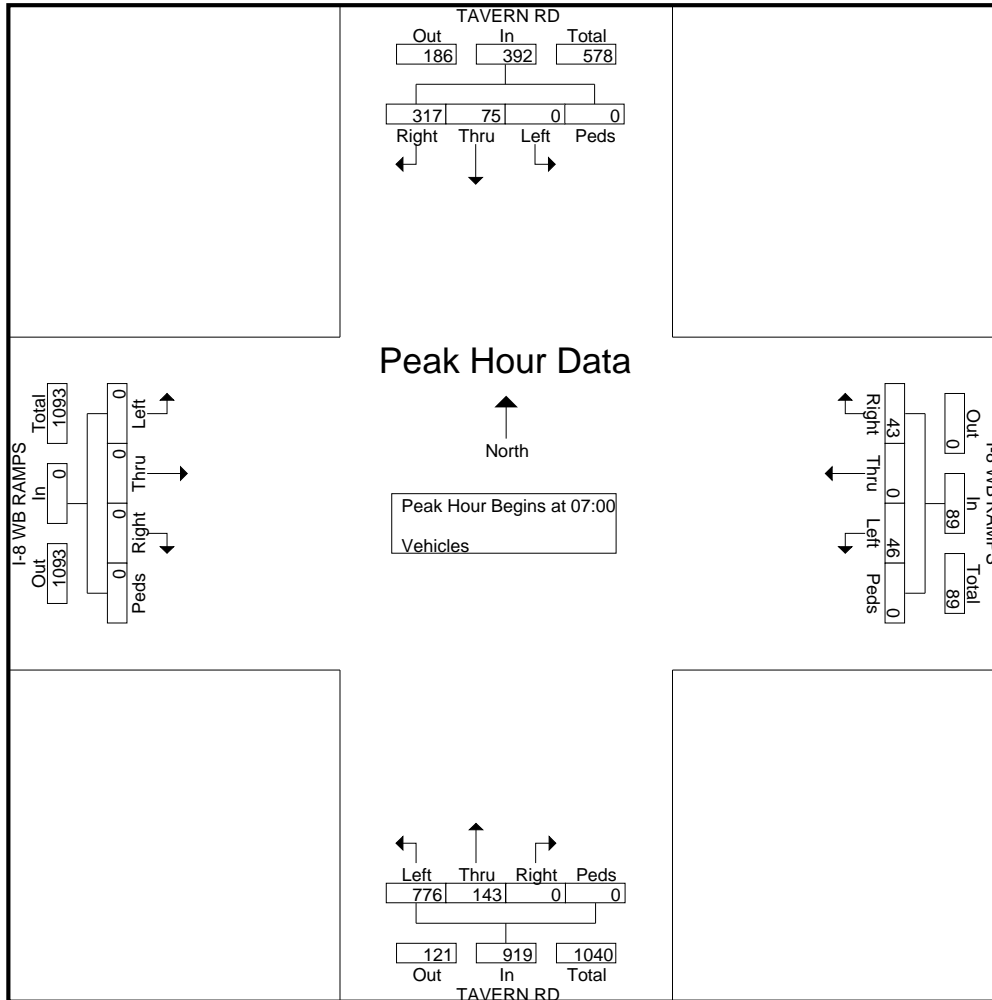


True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.05.TAVERN RD.I-8 WB RAMPS
Site Code : 00000000
Start Date : 2/9/2010
Page No : 2

Start Time	TAVERN RD Southbound					I-8 WB RAMPS Westbound					TAVERN RD Northbound					I-8 WB RAMPS Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 to 12:30 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	0	23	86	0	109	17	0	14	0	31	208	36	0	0	244	0	0	0	0	0	384
07:15	0	21	103	0	124	15	0	17	0	32	234	42	0	0	276	0	0	0	0	0	432
07:30	0	14	70	0	84	4	0	8	0	12	203	30	0	0	233	0	0	0	0	0	329
07:45	0	17	58	0	75	10	0	4	0	14	131	35	0	0	166	0	0	0	0	0	255
Total Volume	0	75	317	0	392	46	0	43	0	89	776	143	0	0	919	0	0	0	0	0	1400
% App. Total	0	19.1	80.9	0		51.7	0	48.3	0		84.4	15.6	0	0		0	0	0	0	0	
PHF	.000	.815	.769	.000	.790	.676	.000	.632	.000	.695	.829	.851	.000	.000	.832	.000	.000	.000	.000	.000	.810

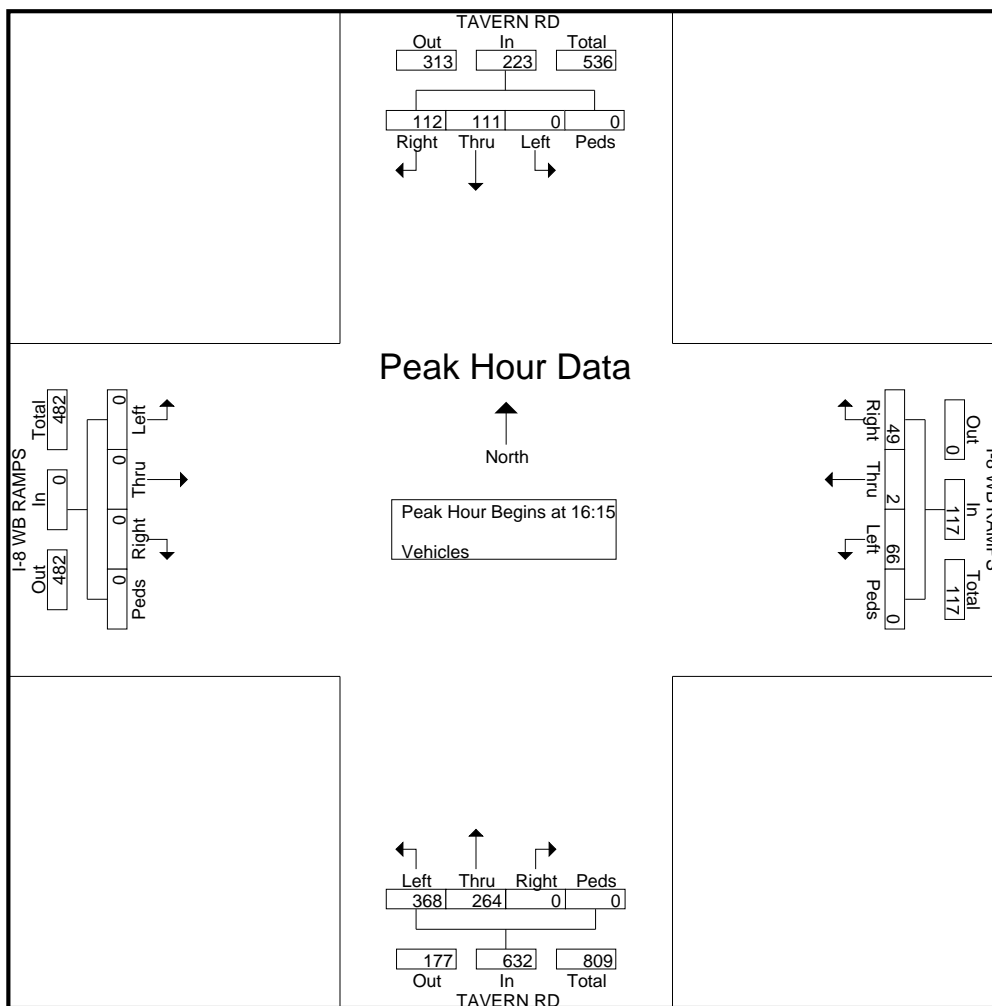


True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.05.TAVERN RD.I-8 WB RAMPS
Site Code : 00000000
Start Date : 2/9/2010
Page No : 3

Start Time	TAVERN RD Southbound					I-8 WB RAMPS Westbound					TAVERN RD Northbound					I-8 WB RAMPS Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:45 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	0	20	34	0	54	19	1	16	0	36	95	61	0	0	156	0	0	0	0	0	246
16:30	0	27	25	0	52	19	0	11	0	30	86	56	0	0	142	0	0	0	0	0	224
16:45	0	23	28	0	51	10	0	14	0	24	73	82	0	0	155	0	0	0	0	0	230
17:00	0	41	25	0	66	18	1	8	0	27	114	65	0	0	179	0	0	0	0	0	272
Total Volume	0	111	112	0	223	66	2	49	0	117	368	264	0	0	632	0	0	0	0	0	972
% App. Total	0	49.8	50.2	0		56.4	1.7	41.9	0		58.2	41.8	0	0		0	0	0	0	0	
PHF	.000	.677	.824	.000	.845	.868	.500	.766	.000	.813	.807	.805	.000	.000	.883	.000	.000	.000	.000	.000	.893



True Count
 3401 First Ave #123
 San Diego, CA 92103

File Name : 1014.04.TAVERN RD.I-8 EB RAMPS
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 1

Groups Printed- Vehicles

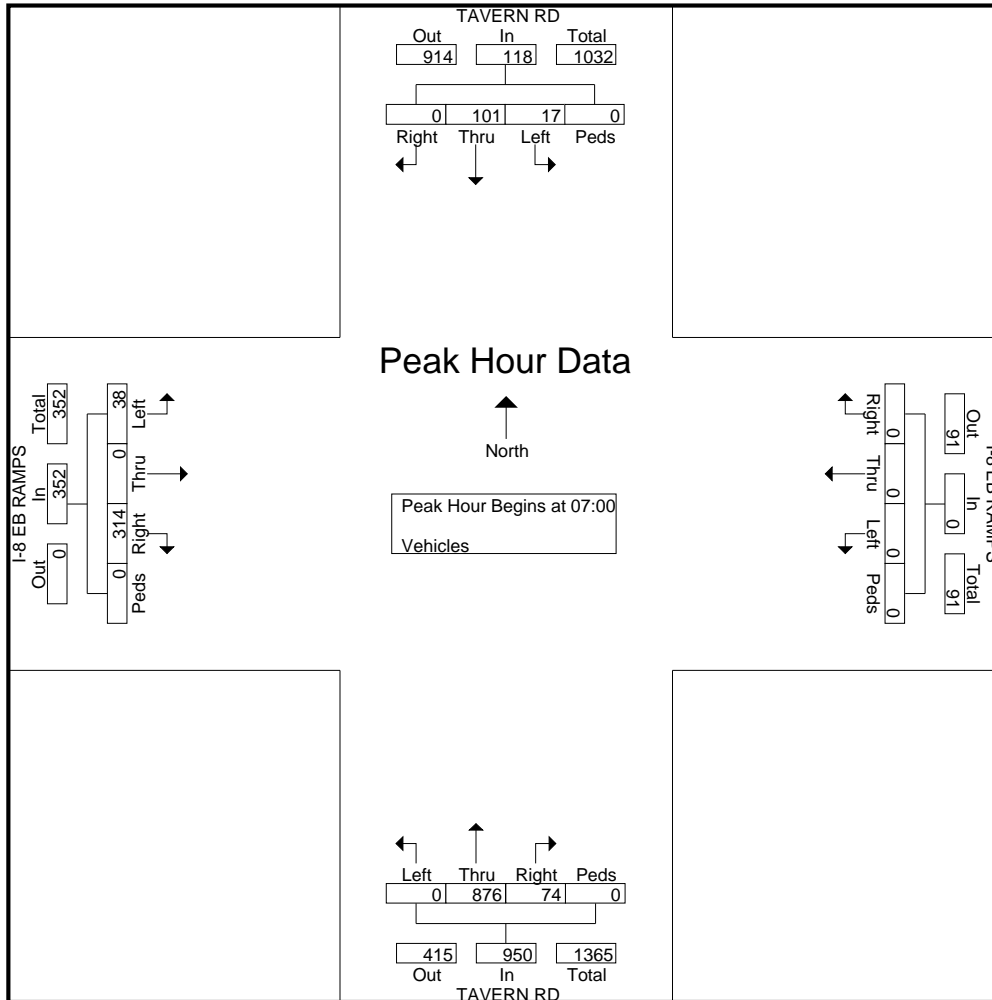
Start Time	TAVERN RD Southbound				I-8 EB RAMPS Westbound				TAVERN RD Northbound				I-8 EB RAMPS Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
07:00	4	35	0	0	0	0	0	0	0	230	23	0	8	0	71	0	371
07:15	5	29	0	0	0	0	0	0	0	253	22	0	12	0	73	0	394
07:30	1	16	0	0	0	0	0	0	0	238	21	0	9	0	73	0	358
07:45	7	21	0	0	0	0	0	0	0	155	8	0	9	0	97	0	297
Total	17	101	0	0	0	0	0	0	0	876	74	0	38	0	314	0	1420
08:00	4	26	0	0	0	0	0	0	0	171	8	0	17	0	109	0	335
08:15	2	27	0	0	0	0	0	0	0	150	10	0	11	1	101	0	302
08:30	6	42	0	0	0	0	0	0	0	202	16	0	18	0	81	0	365
08:45	5	39	0	0	0	0	0	0	0	188	6	0	10	0	78	0	326
Total	17	134	0	0	0	0	0	0	0	711	40	0	56	1	369	0	1328
*** BREAK ***																	
16:00	4	35	0	0	0	0	0	0	0	103	22	0	28	0	179	0	371
16:15	6	31	0	0	0	0	0	0	0	128	22	0	34	0	157	0	378
16:30	5	34	0	0	0	0	0	0	0	102	29	0	40	1	182	0	393
16:45	6	27	0	0	0	0	0	0	0	101	14	0	53	1	185	0	387
Total	21	127	0	0	0	0	0	0	0	434	87	0	155	2	703	0	1529
17:00	4	52	0	0	0	0	0	0	0	141	26	0	37	0	164	0	424
17:15	4	31	0	0	0	0	0	0	0	109	21	0	47	1	186	0	399
17:30	3	24	0	0	0	0	0	0	0	108	18	0	41	0	151	0	345
17:45	8	30	0	0	0	0	0	0	0	85	13	0	40	0	169	0	345
Total	19	137	0	0	0	0	0	0	0	443	78	0	165	1	670	0	1513
Grand Total	74	499	0	0	0	0	0	0	0	2464	279	0	414	4	2056	0	5790
Apprch %	12.9	87.1	0	0	0	0	0	0	0	89.8	10.2	0	16.7	0.2	83.1	0	
Total %	1.3	8.6	0	0	0	0	0	0	0	42.6	4.8	0	7.2	0.1	35.5	0	

True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.04.TAVERN RD.I-8 EB RAMP
Site Code : 00000000
Start Date : 2/9/2010
Page No : 2

Start Time	TAVERN RD Southbound					I-8 EB RAMP Westbound					TAVERN RD Northbound					I-8 EB RAMP Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 to 12:30 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	4	35	0	0	39	0	0	0	0	0	0	230	23	0	253	8	0	71	0	79	371
07:15	5	29	0	0	34	0	0	0	0	0	0	253	22	0	275	12	0	73	0	85	394
07:30	1	16	0	0	17	0	0	0	0	0	0	238	21	0	259	9	0	73	0	82	358
07:45	7	21	0	0	28	0	0	0	0	0	0	155	8	0	163	9	0	97	0	106	297
Total Volume	17	101	0	0	118	0	0	0	0	0	0	876	74	0	950	38	0	314	0	352	1420
% App. Total	14.4	85.6	0	0		0	0	0	0	0	0	92.2	7.8	0		10.8	0	89.2	0		
PHF	.607	.721	.000	.000	.756	.000	.000	.000	.000	.000	.000	.866	.804	.000	.864	.792	.000	.809	.000	.830	.901

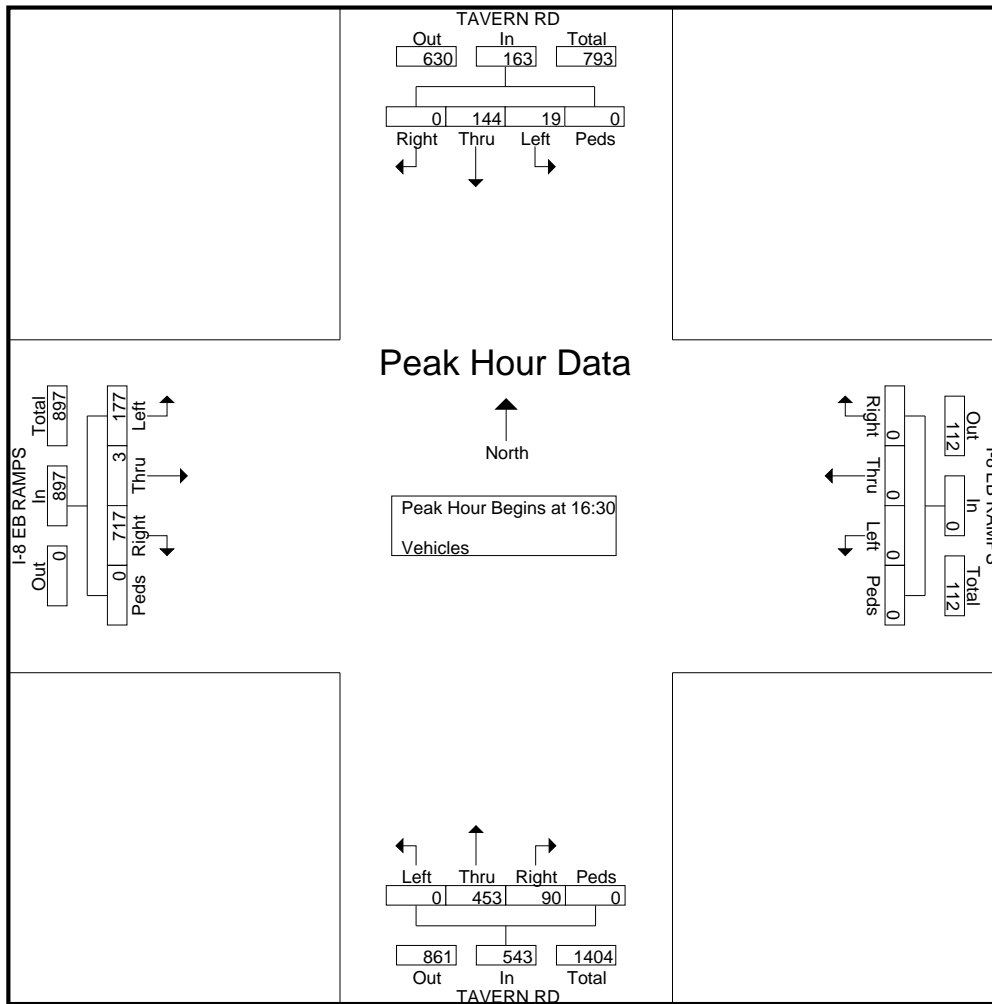


True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.04.TAVERN RD.I-8 EB RAMPS
Site Code : 00000000
Start Date : 2/9/2010
Page No : 3

Start Time	TAVERN RD Southbound					I-8 EB RAMPS Westbound					TAVERN RD Northbound					I-8 EB RAMPS Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:45 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	5	34	0	0	39	0	0	0	0	0	0	102	29	0	131	40	1	182	0	223	393
16:45	6	27	0	0	33	0	0	0	0	0	0	101	14	0	115	53	1	185	0	239	387
17:00	4	52	0	0	56	0	0	0	0	0	0	141	26	0	167	37	0	164	0	201	424
17:15	4	31	0	0	35	0	0	0	0	0	0	109	21	0	130	47	1	186	0	234	399
Total Volume	19	144	0	0	163	0	0	0	0	0	0	453	90	0	543	177	3	717	0	897	1603
% App. Total	11.7	88.3	0	0		0	0	0	0	0	0	83.4	16.6	0		19.7	0.3	79.9	0		
PHF	.792	.692	.000	.000	.728	.000	.000	.000	.000	.000	.000	.803	.776	.000	.813	.835	.750	.964	.000	.938	.945



True Count
 3401 First Ave #123
 San Diego, CA 92103

File Name : 1014.01.TAVERN RD.ALPIE BLVD
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 1

Groups Printed- Vehicles

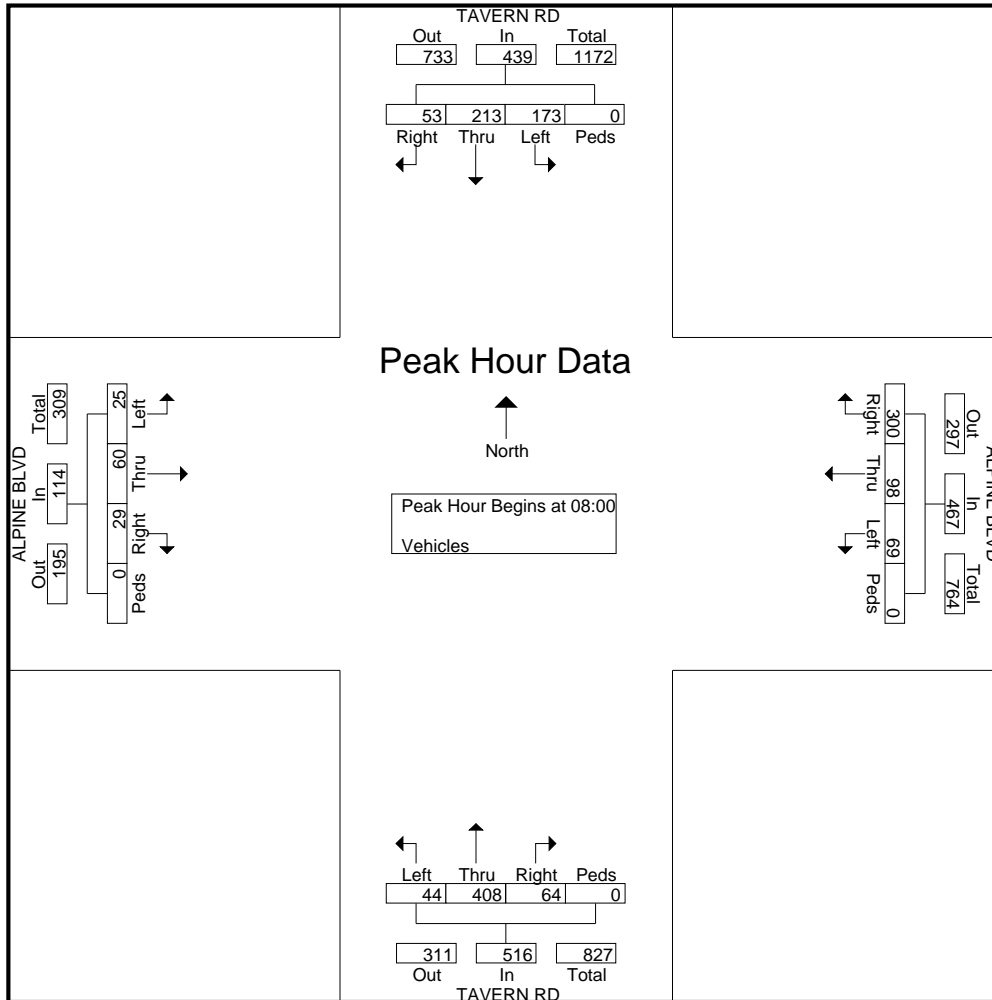
Start Time	TAVERN RD Southbound				ALPINE BLVD Westbound				TAVERN RD Northbound				ALPINE BLVD Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
07:00	38	54	6	0	12	6	86	0	14	151	5	0	8	11	10	0	401
07:15	28	52	8	0	7	4	97	0	13	166	14	0	7	10	14	0	420
07:30	34	44	6	0	7	9	89	0	15	130	5	0	6	9	7	0	361
07:45	46	50	14	0	2	10	60	0	11	75	5	0	11	10	11	0	305
Total	146	200	34	0	28	29	332	0	53	522	29	0	32	40	42	0	1487
08:00	52	68	7	0	6	16	69	0	10	106	6	0	7	15	5	0	367
08:15	44	53	10	0	9	14	76	0	7	79	16	0	5	6	3	0	322
08:30	36	52	16	0	28	28	89	0	9	113	26	0	8	25	10	0	440
08:45	41	40	20	0	26	40	66	0	18	110	16	0	5	14	11	0	407
Total	173	213	53	0	69	98	300	0	44	408	64	0	25	60	29	0	1536
*** BREAK ***																	
16:00	75	102	14	0	22	24	46	0	10	47	11	0	23	19	19	0	412
16:15	63	87	18	0	13	16	49	0	9	63	14	0	19	20	18	0	389
16:30	80	114	11	0	15	10	55	0	10	54	7	0	20	27	17	0	420
16:45	90	102	11	0	11	15	43	0	9	66	5	0	16	26	29	0	423
Total	308	405	54	0	61	65	193	0	38	230	37	0	78	92	83	0	1644
17:00	76	105	16	0	21	12	58	0	9	74	9	0	28	24	16	0	448
17:15	73	100	14	0	11	14	40	2	9	66	17	0	20	21	21	0	408
17:30	85	96	15	0	28	11	51	0	9	62	20	0	18	26	16	0	437
17:45	75	104	8	0	11	13	25	0	3	57	12	0	24	22	17	0	371
Total	309	405	53	0	71	50	174	2	30	259	58	0	90	93	70	0	1664
Grand Total	936	1223	194	0	229	242	999	2	165	1419	188	0	225	285	224	0	6331
Apprch %	39.8	52	8.2	0	15.6	16.4	67.9	0.1	9.3	80.1	10.6	0	30.7	38.8	30.5	0	
Total %	14.8	19.3	3.1	0	3.6	3.8	15.8	0	2.6	22.4	3	0	3.6	4.5	3.5	0	

True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.01.TAVERN RD.ALPINE BLVD
Site Code : 00000000
Start Date : 2/9/2010
Page No : 2

Start Time	TAVERN RD Southbound					ALPINE BLVD Westbound					TAVERN RD Northbound					ALPINE BLVD Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00																					
08:00	52	68	7	0	127	6	16	69	0	91	10	106	6	0	122	7	15	5	0	27	367
08:15	44	53	10	0	107	9	14	76	0	99	7	79	16	0	102	5	6	3	0	14	322
08:30	36	52	16	0	104	28	28	89	0	145	9	113	26	0	148	8	25	10	0	43	440
08:45	41	40	20	0	101	26	40	66	0	132	18	110	16	0	144	5	14	11	0	30	407
Total Volume	173	213	53	0	439	69	98	300	0	467	44	408	64	0	516	25	60	29	0	114	1536
% App. Total	39.4	48.5	12.1	0		14.8	21	64.2	0		8.5	79.1	12.4	0		21.9	52.6	25.4	0		
PHF	.832	.783	.663	.000	.864	.616	.613	.843	.000	.805	.611	.903	.615	.000	.872	.781	.600	.659	.000	.663	.873

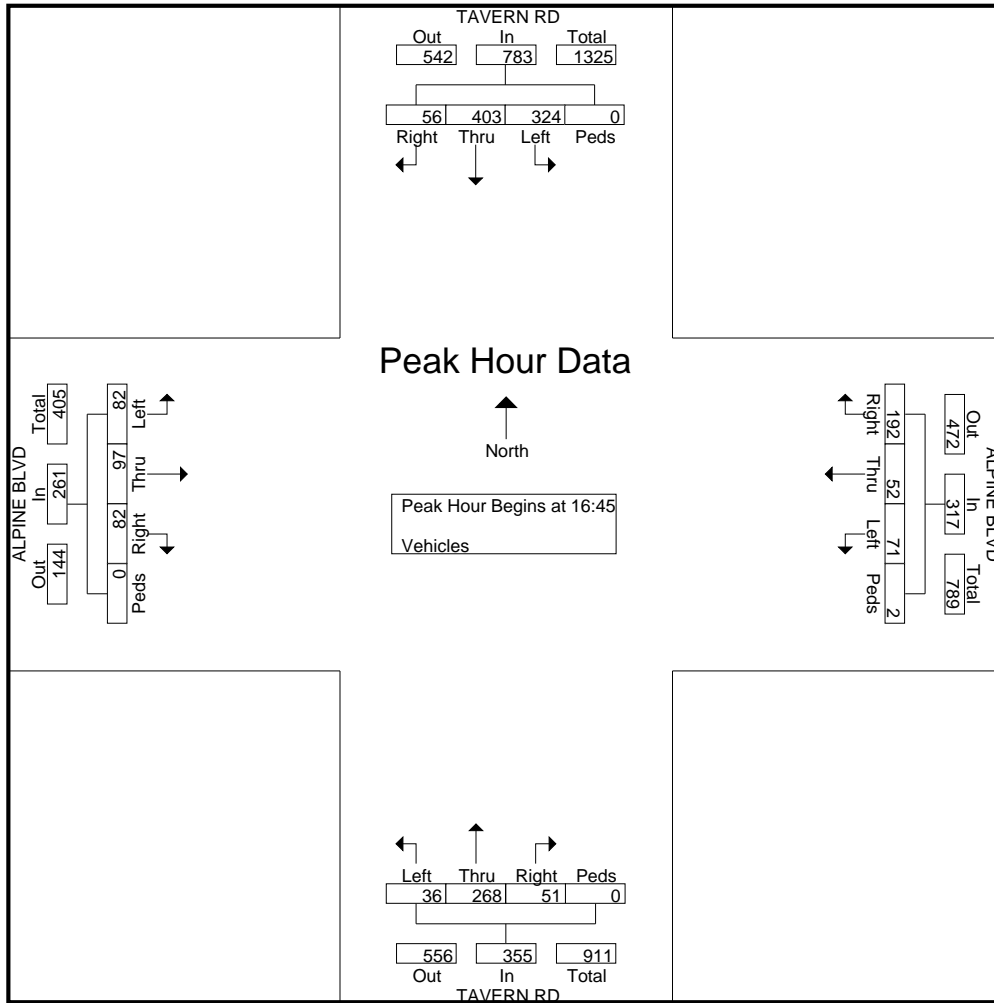


True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.01.TAVERN RD.ALPIE BLVD
Site Code : 00000000
Start Date : 2/9/2010
Page No : 3

Start Time	TAVERN RD Southbound					ALPINE BLVD Westbound					TAVERN RD Northbound					ALPINE BLVD Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	90	102	11	0	203	11	15	43	0	69	9	66	5	0	80	16	26	29	0	71	423
17:00	76	105	16	0	197	21	12	58	0	91	9	74	9	0	92	28	24	16	0	68	448
17:15	73	100	14	0	187	11	14	40	2	67	9	66	17	0	92	20	21	21	0	62	408
17:30	85	96	15	0	196	28	11	51	0	90	9	62	20	0	91	18	26	16	0	60	437
Total Volume	324	403	56	0	783	71	52	192	2	317	36	268	51	0	355	82	97	82	0	261	1716
% App. Total	41.4	51.5	7.2	0		22.4	16.4	60.6	0.6		10.1	75.5	14.4	0		31.4	37.2	31.4	0		
PHF	.900	.960	.875	.000	.964	.634	.867	.828	.250	.871	1.000										



True Count
 3401 First Ave #123
 San Diego, CA 92103

File Name : 1014.02.ARNOLD WY.ALPIE BLVD
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 1

Groups Printed- Vehicles

Start Time	W VICTORIA DR Southbound					ALPINE BLVD Westbound					DRWY Northbound					ARNOLD WY Northeastbound					ALPINE BLVD Eastbound					Int. Total
	Left	Thru	Bear Right	Right	Peds	Left	Bear Left	Thru	Right	Peds	Hard Left	Left	Thru	Right	Peds	Hard Left	Bear Left	Bear Right	Hard Right	Peds	Left	Thru	Right	Hard Right	Peds	
07:00	7	0	16	9	0	1	24	91	11	0	0	0	0	0	0	7	8	27	0	0	11	28	0	4	0	244
07:15	9	0	11	8	0	0	21	77	9	1	0	5	0	0	0	12	15	53	0	0	7	25	0	4	0	257
07:30	6	0	5	5	0	0	11	72	11	1	0	0	0	0	0	8	9	21	0	0	3	29	0	5	1	187
07:45	11	0	11	6	2	0	13	73	7	0	0	2	0	0	0	4	2	22	0	0	6	47	0	7	0	213
Total	33	0	43	28	2	1	69	313	38	2	0	7	0	0	0	31	34	123	0	0	27	129	0	20	1	901
08:00	8	0	4	3	2	0	19	72	6	2	0	1	1	1	1	6	3	18	0	0	3	48	2	5	0	205
08:15	3	0	10	15	4	0	26	81	6	2	0	1	0	0	0	6	3	13	0	0	3	38	0	3	0	214
08:30	11	0	19	23	1	0	28	101	14	0	1	2	0	0	0	12	8	40	0	0	7	61	0	7	0	335
08:45	6	0	5	17	0	0	36	90	11	1	0	0	0	0	0	8	6	30	1	0	3	63	0	6	0	283
Total	28	0	38	58	7	0	109	344	37	5	1	4	1	1	1	32	20	101	1	0	16	210	2	21	0	1037
*** BREAK ***																										
16:00	8	1	3	4	0	0	56	64	7	2	0	1	0	0	0	8	10	64	0	0	7	93	0	4	0	332
16:15	6	0	3	4	0	0	37	67	13	1	0	0	0	0	1	7	8	44	1	0	5	92	0	3	0	292
16:30	3	0	9	3	0	0	31	50	10	1	0	0	0	1	1	9	12	43	0	0	9	86	1	4	0	273
16:45	8	0	5	7	0	1	46	61	8	1	1	0	0	1	0	11	16	64	1	0	28	111	2	5	0	377
Total	25	1	20	18	0	1	170	242	38	5	1	1	0	2	2	35	46	215	2	0	49	382	3	16	0	1274
17:00	9	0	2	5	0	0	39	50	9	0	1	0	0	1	0	5	3	38	0	0	7	107	1	7	0	284
17:15	1	0	3	5	0	0	30	57	15	0	1	0	0	0	0	6	11	51	1	0	14	101	1	7	0	304
17:30	6	0	4	5	0	0	35	41	7	0	1	1	0	0	0	12	7	65	0	0	13	94	1	6	0	298
17:45	10	0	1	10	0	0	22	37	11	1	1	0	0	0	0	4	6	56	0	0	8	93	1	4	0	265
Total	26	0	10	25	0	0	126	185	42	1	4	1	0	1	0	27	27	210	1	0	42	395	4	24	0	1151
Grand Total	112	1	111	129	9	2	474	1084	155	13	6	13	1	4	3	125	127	649	4	0	134	1116	9	81	1	4363
Apprch %	30.9	0.3	30.7	35.6	2.5	0.1	27.4	62.7	9	0.8	22.2	48.1	3.7	14.8	11.1	13.8	14	71.7	0.4	0	10	83.2	0.7	6	0.1	
Total %	2.6	0	2.5	3	0.2	0	10.9	24.8	3.6	0.3	0.1	0.3	0	0.1	0.1	2.9	2.9	14.9	0.1	0	3.1	25.6	0.2	1.9	0	

True Count

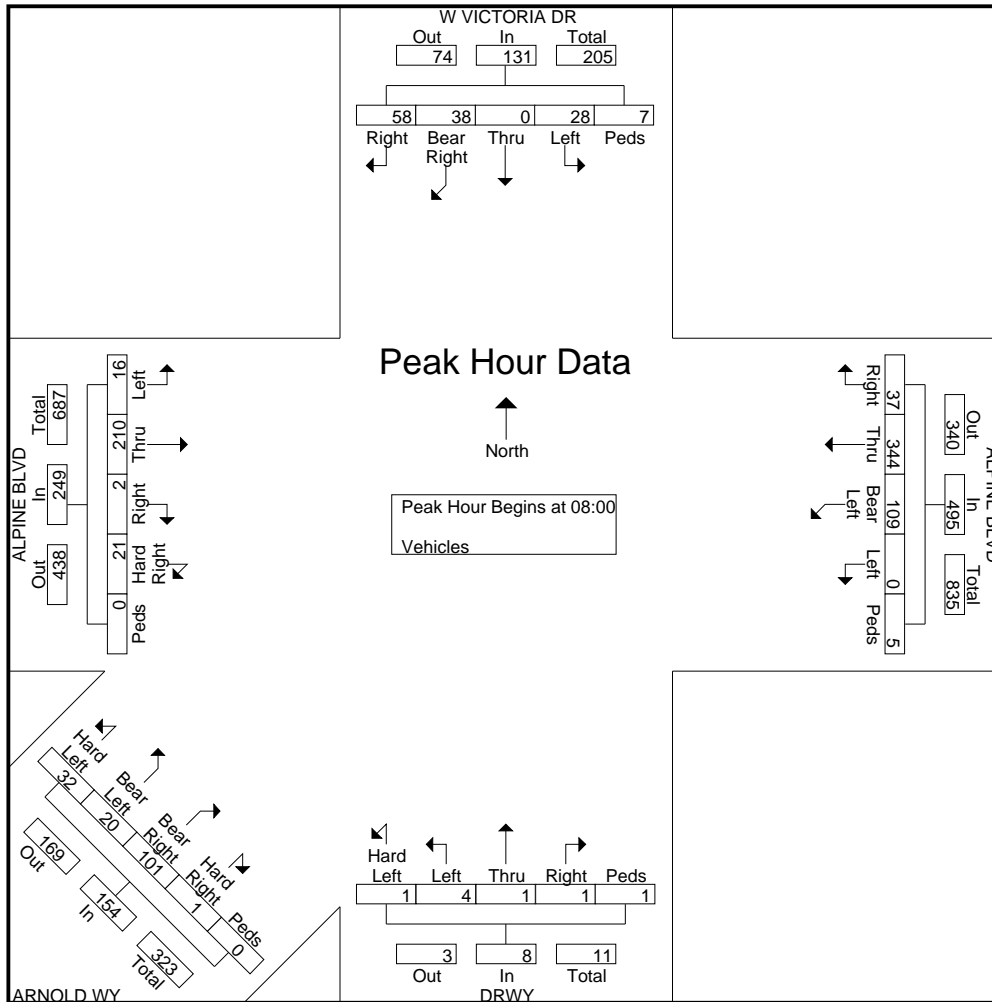
3401 First Ave #123
San Diego, CA 92103

File Name : 1014.02.ARNOLD WY.ALPINE BLVD
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 2

Start Time	W VICTORIA DR Southbound						ALPINE BLVD Westbound						DRWY Northbound						ARNOLD WY Northeastbound						ALPINE BLVD Eastbound						Int. Total
	Left	Thru	Bear Right	Right	Peds	App. Total	Left	Bear Left	Thru	Right	Peds	App. Total	Hard Left	Left	Thru	Right	Peds	App. Total	Hard Left	Bear Left	Bear Right	Hard Right	Peds	App. Total	Left	Thru	Right	Hard Right	Peds	App. Total	
08:00	8	0	4	3	2	17	0	19	72	6	2	99	0	1	1	1	1	4	6	3	18	0	0	27	3	48	2	5	0	58	205
08:15	3	0	10	15	4	32	0	26	81	6	2	115	0	1	0	0	0	1	6	3	13	0	0	22	3	38	0	3	0	44	214
08:30	11	0	19	23	1	54	0	28	101	14	0	143	1	2	0	0	0	3	12	8	40	0	0	60	7	61	0	7	0	75	335
08:45	6	0	5	17	0	28	0	36	90	11	1	138	0	0	0	0	0	0	8	6	30	1	0	45	3	63	0	6	0	72	283
Total Volume	28	0	38	58	7	131	0	109	344	37	5	495	1	4	1	1	1	8	32	20	101	1	0	154	16	210	2	21	0	249	1037
% App. Total	21.4	0	29	44.3	5.3		0	22	69.5	7.5	1		12.5	50	12.5	12.5	12.5		20.8	13	65.6	0.6	0		6.4	84.3	0.8	8.4	0		
PHF	.636	.000	.500	.630	.438	.606	.000	.757	.851	.661	.625	.865	.250	.500	.250	.250	.250	.500	.667	.625	.631	.250	.000	.642	.571	.833	.250	.750	.000	.830	.774

Peak Hour Analysis From 07:00 to 12:30 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 08:00

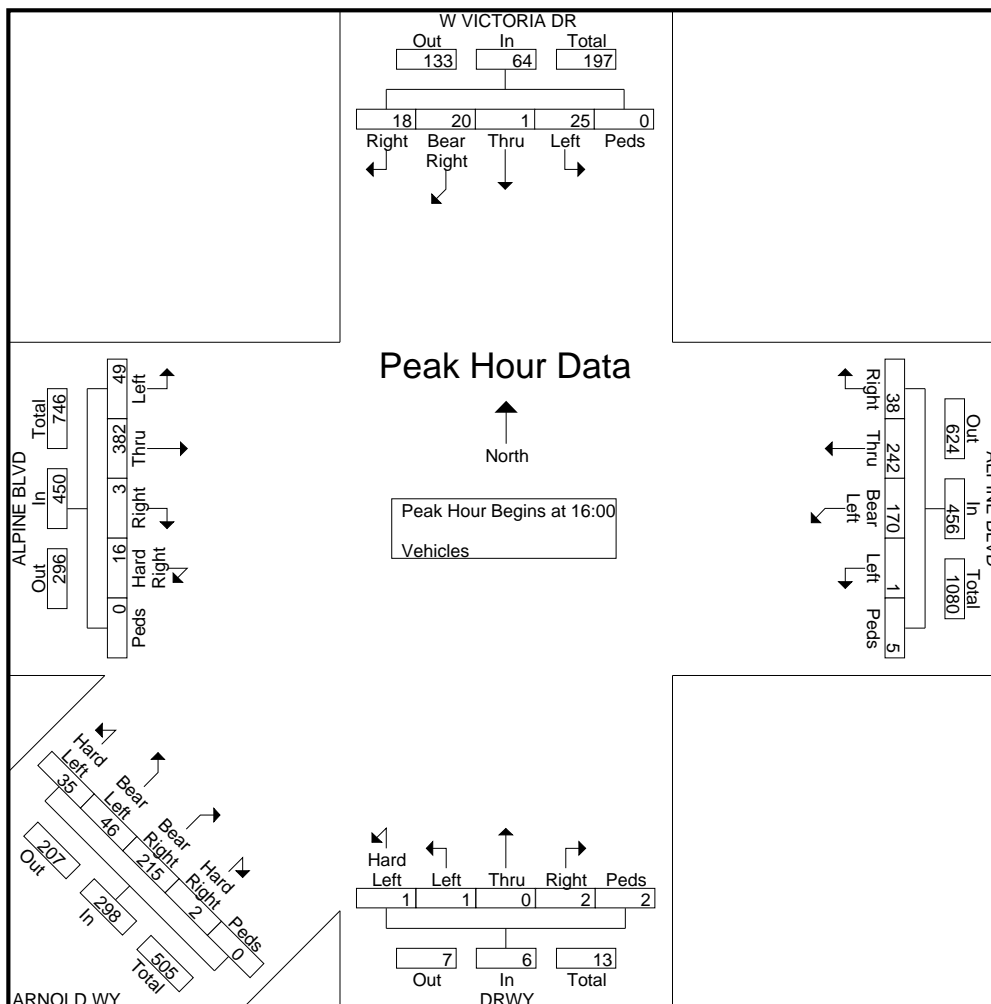


True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.02.ARNOLD WY.ALPIKE BLVD
Site Code : 00000000
Start Date : 2/9/2010
Page No : 3

Start Time	W VICTORIA DR Southbound						ALPINE BLVD Westbound						DRWY Northbound						ARNOLD WY Northeastbound						ALPINE BLVD Eastbound						Int. Total
	Left	Thru	Bear Right	Right	Peds	App. Total	Left	Bear Left	Thru	Right	Peds	App. Total	Hard Left	Left	Thru	Right	Peds	App. Total	Hard Left	Bear Left	Bear Right	Hard Right	Peds	App. Total	Left	Thru	Right	Hard Right	Peds	App. Total	
Peak Hour Analysis From 12:45 to 17:45 - Peak 1 of 1																															
Peak Hour for Entire Intersection Begins at 16:00																															
16:00	8	1	3	4	0	16	0	56	64	7	2	129	1	0	0	0	1	8	10	64	0	0	82	7	93	0	4	0	104	332	
16:15	6	0	3	4	0	13	0	37	67	13	1	118	0	0	0	0	1	7	8	44	1	0	60	5	92	0	3	0	100	292	
16:30	3	0	9	3	0	15	0	31	50	10	1	92	0	0	0	1	1	2	9	12	43	0	0	64	9	86	1	4	0	100	273
16:45	8	0	5	7	0	20	1	46	61	8	1	117	1	0	0	1	0	2	11	16	64	1	0	92	28	111	2	5	0	146	377
Total Volume	25	1	20	18	0	64	1	170	242	38	5	456	1	1	0	2	2	6	35	46	215	2	0	298	49	382	3	16	0	450	1274
% App. Total	39.1	1.6	31.2	28.1	0		0.2	37.3	53.1	8.3	1.1		16.7	16.7	0	33.3	33.3		11.7	15.4	72.1	0.7	0		10.9	84.9	0.7	3.6	0		
PHF	.781	.250	.556	.643	.000	.800	.250	.759	.903	.731	.625	.884	.250	.250	.000	.500	.500	.750	.795	.719	.840	.500	.000	.810	.438	.860	.375	.800	.000	.771	.845



True Count
 3401 First Ave #123
 San Diego, CA 92103

File Name : 1014.03.S GRADE RD.ALPINE BLVD
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 1

Groups Printed- Vehicles

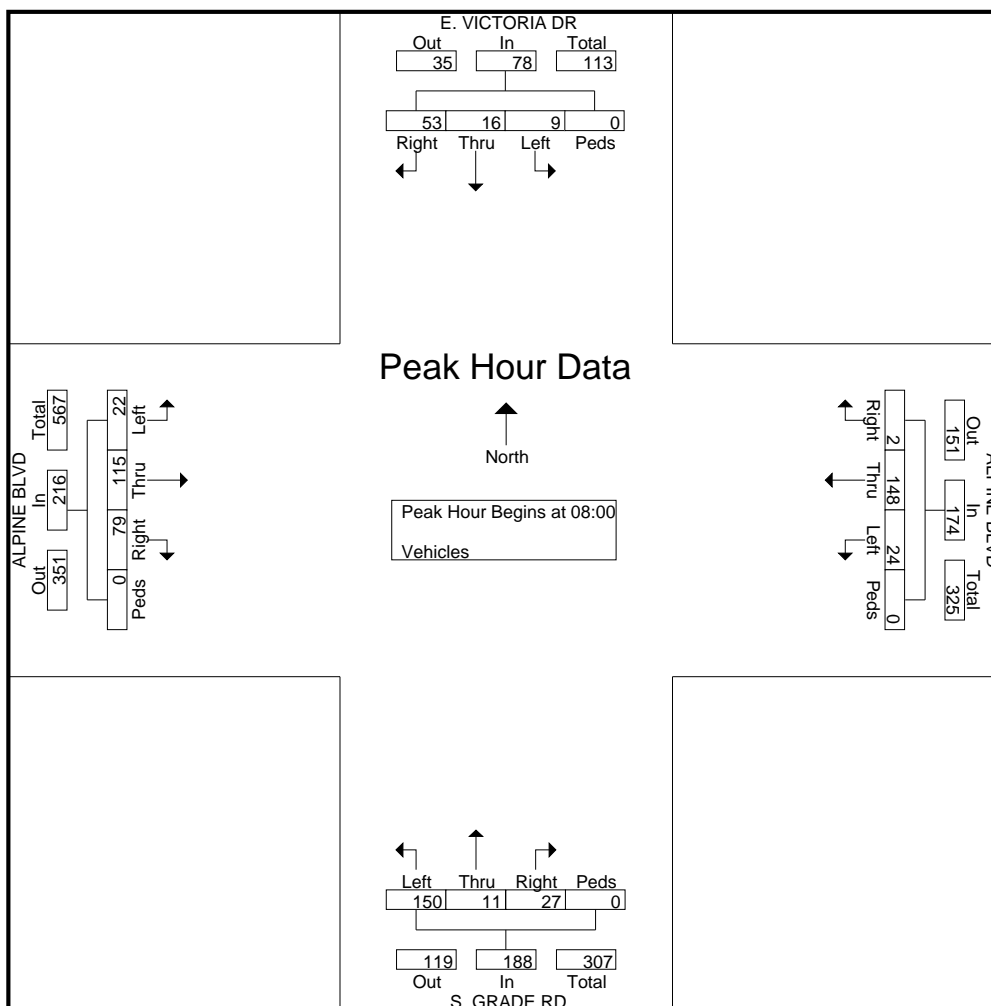
Start Time	E. VICTORIA DR Southbound				ALPINE BLVD Westbound				S. GRADE RD Northbound				ALPINE BLVD Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
07:00	1	7	7	0	11	22	2	0	44	3	7	0	3	19	26	0	152
07:15	2	4	15	0	13	27	1	0	40	2	13	0	9	18	17	0	161
07:30	2	0	12	0	4	19	3	0	35	2	6	0	4	27	14	0	128
07:45	2	3	11	0	4	14	3	0	31	2	3	0	6	27	12	0	118
Total	7	14	45	0	32	82	9	0	150	9	29	0	22	91	69	0	559
08:00	3	4	10	0	8	25	0	0	30	3	10	0	4	18	12	0	127
08:15	3	5	14	0	5	27	0	0	28	0	7	0	1	17	18	0	125
08:30	2	4	18	0	3	45	0	0	45	3	5	0	8	34	16	0	183
08:45	1	3	11	0	8	51	2	0	47	5	5	0	9	46	33	0	221
Total	9	16	53	0	24	148	2	0	150	11	27	0	22	115	79	0	656
*** BREAK ***																	
16:00	0	1	7	0	6	35	4	0	46	1	4	0	9	48	47	0	208
16:15	3	1	7	0	4	42	7	0	36	4	7	0	10	54	44	0	219
16:30	2	2	6	0	8	33	6	0	26	3	6	0	6	37	48	0	183
16:45	4	1	7	0	8	38	2	0	28	5	6	0	12	43	61	0	215
Total	9	5	27	0	26	148	19	0	136	13	23	0	37	182	200	0	825
17:00	1	1	0	0	8	41	7	0	28	4	9	0	14	51	62	0	226
17:15	1	1	13	0	9	26	2	0	40	3	7	0	10	48	45	0	205
17:30	3	1	6	0	5	26	1	0	29	0	7	0	11	56	52	0	197
17:45	0	2	3	0	0	35	5	0	34	1	8	0	7	52	45	0	192
Total	5	5	22	0	22	128	15	0	131	8	31	0	42	207	204	0	820
Grand Total	30	40	147	0	104	506	45	0	567	41	110	0	123	595	552	0	2860
Apprch %	13.8	18.4	67.7	0	15.9	77.3	6.9	0	79	5.7	15.3	0	9.7	46.9	43.5	0	
Total %	1	1.4	5.1	0	3.6	17.7	1.6	0	19.8	1.4	3.8	0	4.3	20.8	19.3	0	

True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.03.S GRADE RD.ALPINE BLVD
Site Code : 00000000
Start Date : 2/9/2010
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Start Time	E. VICTORIA DR Southbound					ALPINE BLVD Westbound					S. GRADE RD Northbound					ALPINE BLVD Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 to 12:30 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00																					
08:00	3	4	10	0	17	8	25	0	0	33	30	3	10	0	43	4	18	12	0	34	127
08:15	3	5	14	0	22	5	27	0	0	32	28	0	7	0	35	1	17	18	0	36	125
08:30	2	4	18	0	24	3	45	0	0	48	45	3	5	0	53	8	34	16	0	58	183
08:45	1	3	11	0	15	8	51	2	0	61	47	5	5	0	57	9	46	33	0	88	221
Total Volume	9	16	53	0	78	24	148	2	0	174	150	11	27	0	188	22	115	79	0	216	656
% App. Total	11.5	20.5	67.9	0		13.8	85.1	1.1	0		79.8	5.9	14.4	0		10.2	53.2	36.6	0		
PHF	.750	.800	.736	.000	.813	.750	.725	.250	.000	.713	.798	.550	.675	.000	.825	.611	.625	.598	.000	.614	.742



True Count

3401 First Ave #123
San Diego, CA 92103

File Name : 1014.03.S GRADE RD.ALPINE BLVD
 Site Code : 00000000
 Start Date : 2/9/2010
 Page No : 3

Start Time	E. VICTORIA DR Southbound					ALPINE BLVD Westbound					S. GRADE RD Northbound					ALPINE BLVD Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:45 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	3	1	7	0	11	4	42	7	0	53	36	4	7	0	47	10	54	44	0	108	219
16:30	2	2	6	0	10	8	33	6	0	47	26	3	6	0	35	6	37	48	0	91	183
16:45	4	1	7	0	12	8	38	2	0	48	28	5	6	0	39	12	43	61	0	116	215
17:00	1	1	0	0	2	8	41	7	0	56	28	4	9	0	41	14	51	62	0	127	226
Total Volume	10	5	20	0	35	28	154	22	0	204	118	16	28	0	162	42	185	215	0	442	843
% App. Total	28.6	14.3	57.1	0		13.7	75.5	10.8	0		72.8	9.9	17.3	0		9.5	41.9	48.6	0		93.3
PHF	.625	.625	.714	.000	.729	.875	.917	.786	.000	.911	.819	.800	.778	.000	.862	.750	.856	.867	.000	.870	.933

