

APPENDIX A
EXISTING TRAFFIC COUNT DATA

APPENDIX A-1

INTERSECTION COUNT DATA

Transportation Studies, Inc.
 2680 Walnut Avenue
 Suite C
 Tustin, CA. 92780

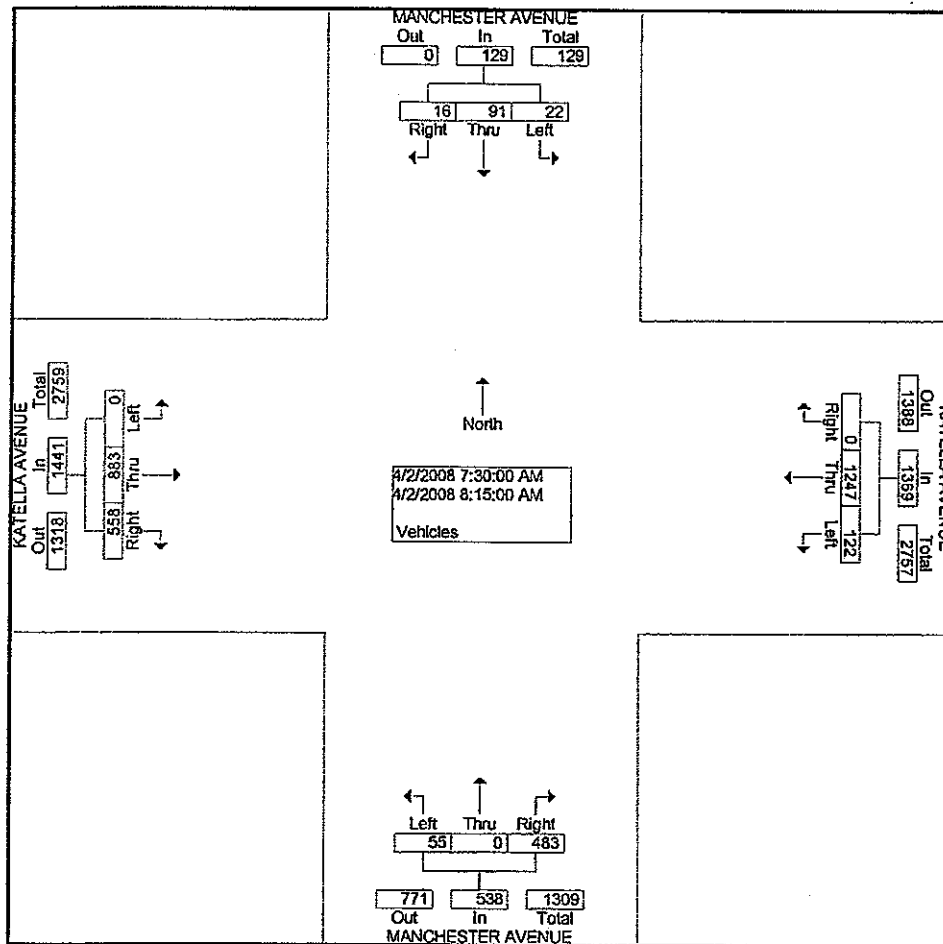
City: ANAHEIM
 N-S Direction: MANCHESTER AVENUE
 E-W Direction: KATELLA AVENUE

File Name : H0804033
 Site Code : 00005056
 Start Date : 4/2/2008
 Page No : 1

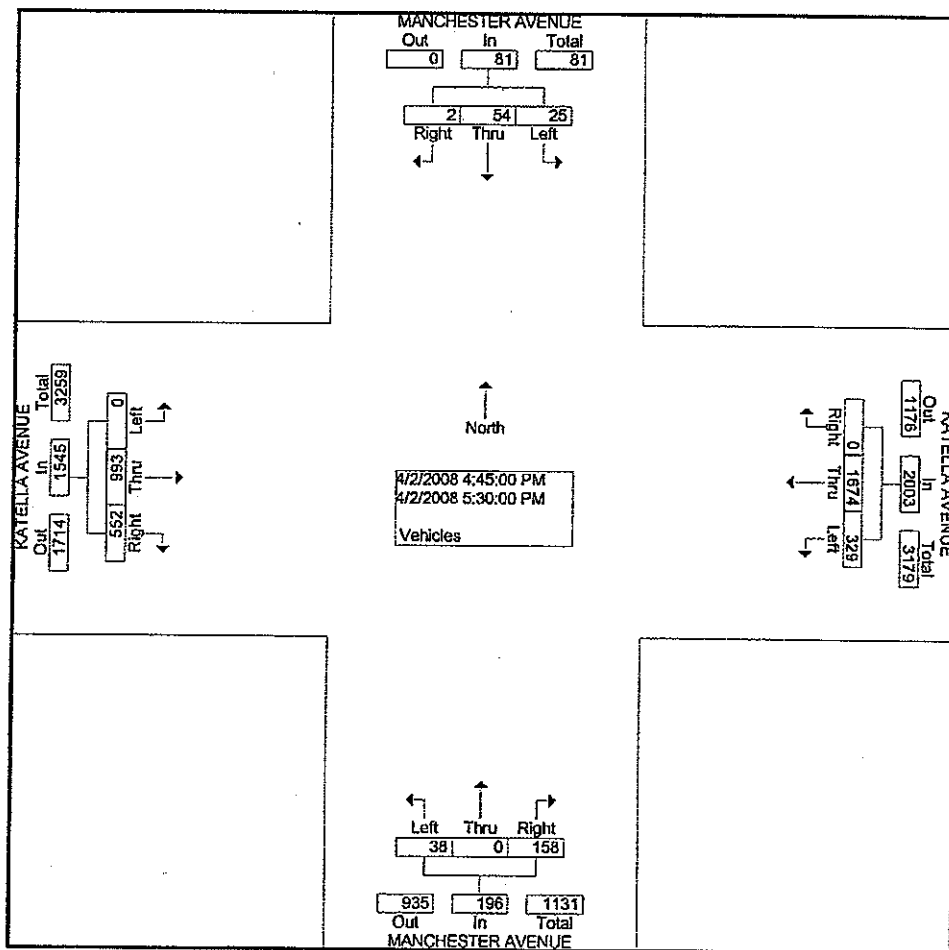
Groups Printed- Vehicles

Start Time	MANCHESTER AVENUE Southbound			KATELLA AVENUE Westbound			MANCHESTER AVENUE Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	1	12	9	0	267	35	113	0	7	151	156	0	751
07:15 AM	0	16	4	0	249	36	115	0	5	165	179	0	769
07:30 AM	6	23	6	0	309	24	99	0	9	157	231	0	864
07:45 AM	5	27	7	0	306	32	134	0	15	127	236	0	889
Total	12	78	26	0	1131	127	461	0	36	600	802	0	3273
08:00 AM	4	16	4	0	317	32	122	0	16	150	203	0	864
08:15 AM	1	25	5	0	315	34	128	0	15	124	213	0	860
08:30 AM	2	22	3	0	300	20	97	0	11	115	170	0	740
08:45 AM	1	14	4	0	296	38	97	0	8	105	161	0	724
Total	8	77	16	0	1228	124	444	0	50	494	747	0	3188
*** BREAK ***													
04:30 PM	2	10	7	0	424	87	41	0	15	134	228	0	948
04:45 PM	0	14	10	0	413	81	33	0	12	141	254	0	958
Total	2	24	17	0	837	168	74	0	27	275	482	0	1906
05:00 PM	1	13	2	0	398	82	36	0	14	138	240	0	924
05:15 PM	1	13	10	0	425	97	28	0	7	136	232	0	949
05:30 PM	0	14	3	0	438	69	61	0	5	137	267	0	994
05:45 PM	1	15	8	0	308	67	42	0	6	114	223	0	784
Total	3	55	23	0	1569	315	167	0	32	525	962	0	3651
06:00 PM	2	8	10	0	379	65	37	0	2	116	204	0	823
06:15 PM	1	16	7	0	350	47	32	0	9	112	213	0	787
Grand Total	28	258	99	0	5494	846	1215	0	156	2122	3410	0	13628
Approch %	7.3	67.0	25.7	0.0	86.7	13.3	88.6	0.0	11.4	38.4	61.6	0.0	
Total %	0.2	1.9	0.7	0.0	40.3	6.2	8.9	0.0	1.1	15.6	25.0	0.0	

Start Time	MANCHESTER AVENUE Southbound				KATELLA AVENUE Westbound				MANCHESTER AVENUE Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:30 AM																
Volume	16	91	22	129	0	1247	122	1369	483	0	55	538	558	883	0	1441	3477
Percent	12.4	70.5	17.1		0.0	91.1	8.9		89.8	0.0	10.2		38.7	61.3	0.0		
07:45	07:30 AM																
Volume	5	27	7	39	0	306	32	338	134	0	15	149	127	236	0	363	889
Peak Factor	0.978																
High Int.	07:45 AM																
Volume	5	27	7	39	0	317	32	349	134	0	15	149	157	231	0	388	
Peak Factor	0.827				0.981				0.903				0.928				



Start Time	MANCHESTER AVENUE Southbound				KATELLA AVENUE Westbound				MANCHESTER AVENUE Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:30 PM to 06:15 PM - Peak 1 of 1																	
Intersection	04:45 PM																
Volume	2	54	25	81	0	1674	329	2003	158	0	38	196	552	993	0	1545	3825
Percent	2.5	66.7	30.9		0.0	83.6	16.4		80.6	0.0	19.4		35.7	64.3	0.0		
Volume	0	14	3	17	0	438	69	507	61	0	5	66	137	267	0	404	994
Peak Factor	0.962																
High Int.	04:45 PM																
Volume	0	14	10	24	05:15 PM				05:30 PM				05:30 PM				
Peak Factor	0.844								0.959				0.742				0.956



Transportation Studies, Inc.
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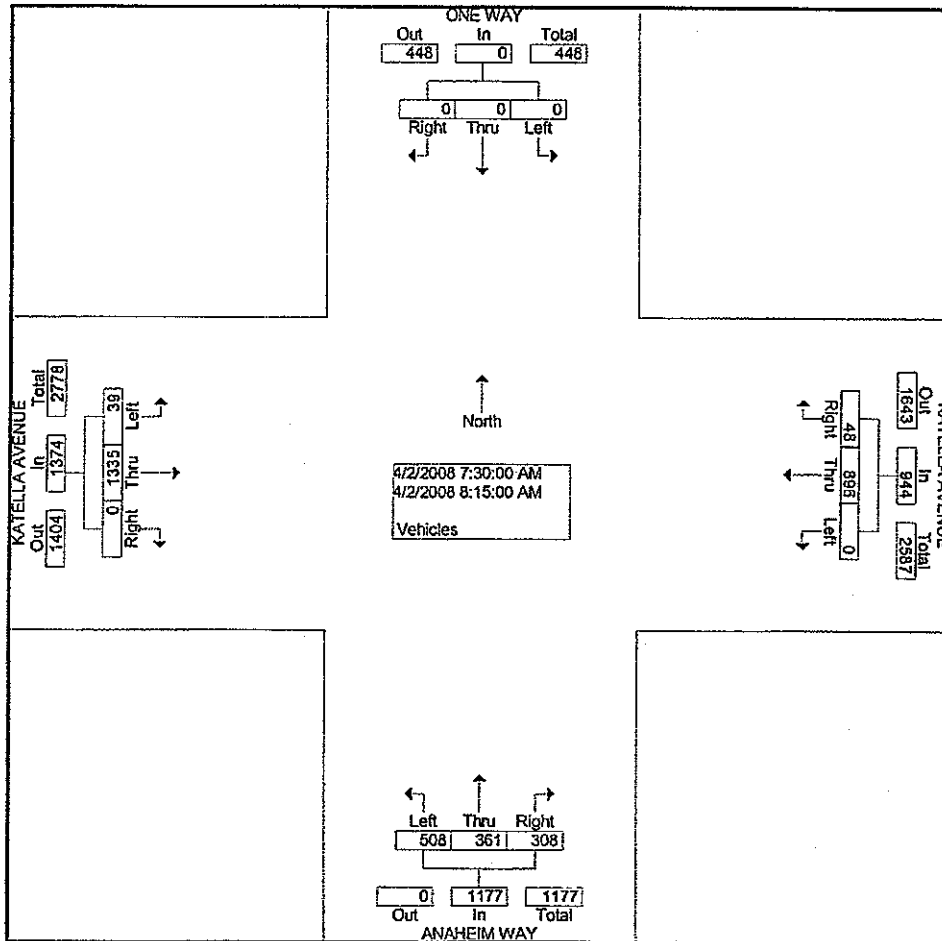
City: ANAHEIM
 N-S Direction: ANAHEIM WAY
 E-W Direction: KATELLA AVENUE

File Name : H0804034
 Site Code : 00000056
 Start Date : 4/2/2008
 Page No : 1

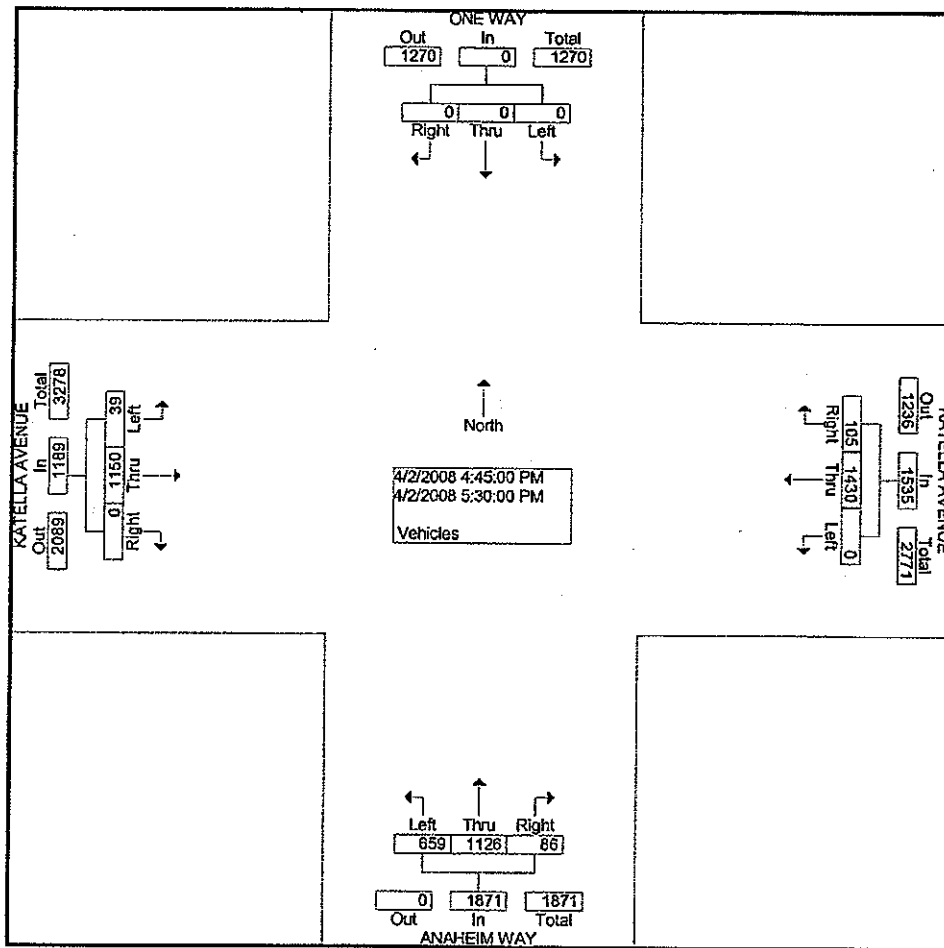
Groups Printed- Vehicles

Start Time	ONE WAY Southbound			KATELLA AVENUE Westbound			ANAHEIM WAY Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	15	190	0	55	99	107	0	263	10	739
07:15 AM	0	0	0	12	195	0	60	98	94	0	282	10	751
07:30 AM	0	0	0	9	234	0	58	92	117	0	319	8	837
07:45 AM	0	0	0	12	231	0	81	116	113	0	376	11	940
Total	0	0	0	48	850	0	254	405	431	0	1240	39	3267
08:00 AM	0	0	0	14	231	0	68	86	144	0	310	12	865
08:15 AM	0	0	0	13	200	0	101	67	134	0	330	8	853
08:30 AM	0	0	0	14	213	0	70	92	124	0	260	10	783
08:45 AM	0	0	0	22	243	0	68	86	94	0	256	13	782
Total	0	0	0	63	887	0	307	331	496	0	1156	43	3283
*** BREAK ***													
04:30 PM	0	0	0	28	350	0	32	181	180	0	266	7	1044
04:45 PM	0	0	0	23	377	0	29	253	154	0	266	8	1110
Total	0	0	0	51	727	0	61	434	334	0	532	15	2154
05:00 PM	0	0	0	27	358	0	18	285	153	0	295	11	1147
05:15 PM	0	0	0	31	356	0	14	320	179	0	291	4	1195
05:30 PM	0	0	0	24	339	0	25	268	173	0	298	16	1143
05:45 PM	0	0	0	16	210	0	28	248	165	0	256	7	930
Total	0	0	0	98	1263	0	85	1121	670	0	1140	38	4415
06:00 PM	0	0	0	18	312	0	31	183	156	0	263	6	969
06:15 PM	0	0	0	19	242	0	19	164	160	0	225	6	835
Grand Total	0	0	0	297	4281	0	757	2638	2247	0	4556	147	14923
Apprch %	0.0	0.0	0.0	6.5	93.5	0.0	13.4	46.8	39.8	0.0	96.9	3.1	
Total %	0.0	0.0	0.0	2.0	28.7	0.0	5.1	17.7	15.1	0.0	30.5	1.0	

Start Time	ONE WAY Southbound				KATELLA AVENUE Westbound				ANAHEIM WAY Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection 07:30 AM																	
Volume	0	0	0	0	48	896	0	944	308	361	508	1177	0	1335	39	1374	3495
Percent	0.0	0.0	0.0		5.1	94.9	0.0		26.2	30.7	43.2		0.0	97.2	2.8		
07:45																	
Volume	0	0	0	0	12	231	0	243	81	116	113	310	0	376	11	387	940
Peak Factor																	
High Int. 6:45:00 AM					08:00 AM				07:45 AM				07:45 AM				0.930
Volume	0	0	0	0	14	231	0	245	81	116	113	310	0	376	11	387	
Peak Factor					0.963				0.949				0.888				



Start Time	ONE WAY Southbound				KATELLA AVENUE Westbound				ANAHEIM WAY Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:30 PM to 06:15 PM - Peak 1 of 1																	
Intersection	04:45 PM																
Volume	0	0	0	0	105	1430	0	1535	86	1126	659	1871	0	1150	39	1189	4595
Percent	0.0	0.0	0.0		6.8	93.2	0.0		4.6	60.2	35.2		0.0	96.7	3.3		
05:15	04:45 PM																
Volume	0	0	0	0	31	356	0	387	14	320	179	513	0	291	4	295	1195
Peak Factor	0.961																
High Int.	04:45 PM																
Volume	0	0	0	0	23	377	0	400	14	320	179	513	0	298	16	314	0.947
Peak Factor	0.912																



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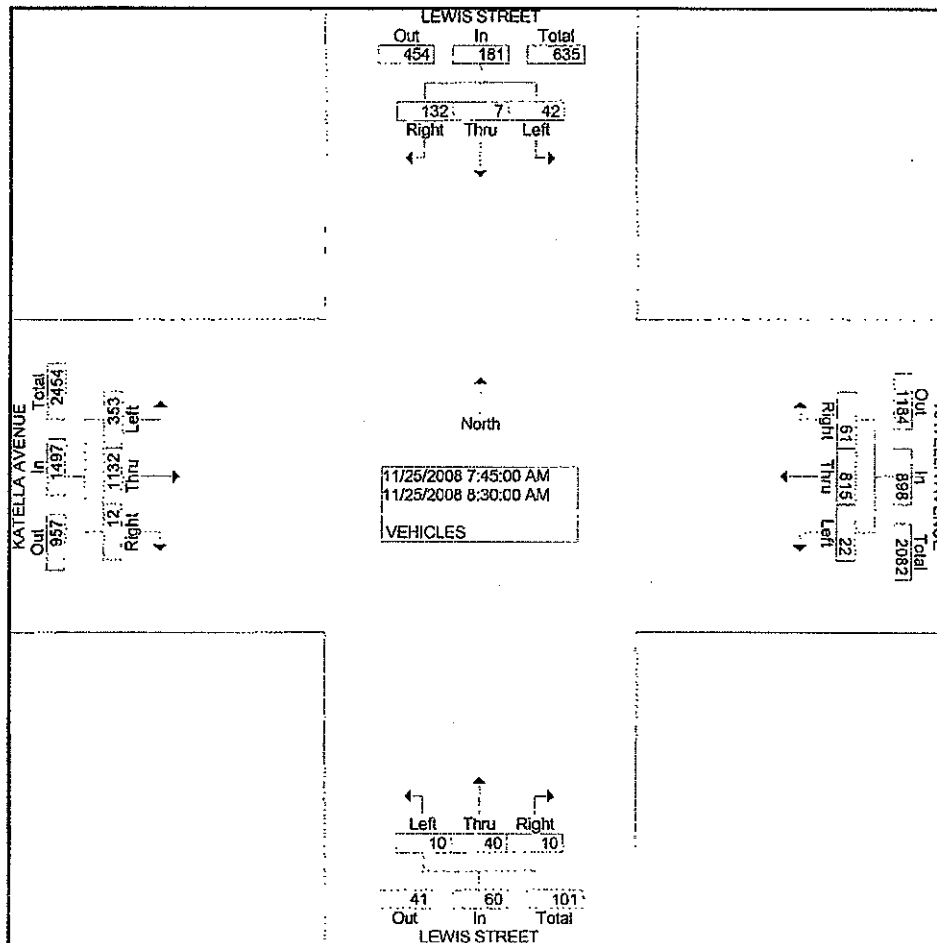
City: ANAHEIM
 N-S Direction: LEWIS STREET
 E-W Direction: KATELLA AVENUE

File Name : H0811141
 Site Code : 00000000
 Start Date : 11/25/2008
 Page No : 1

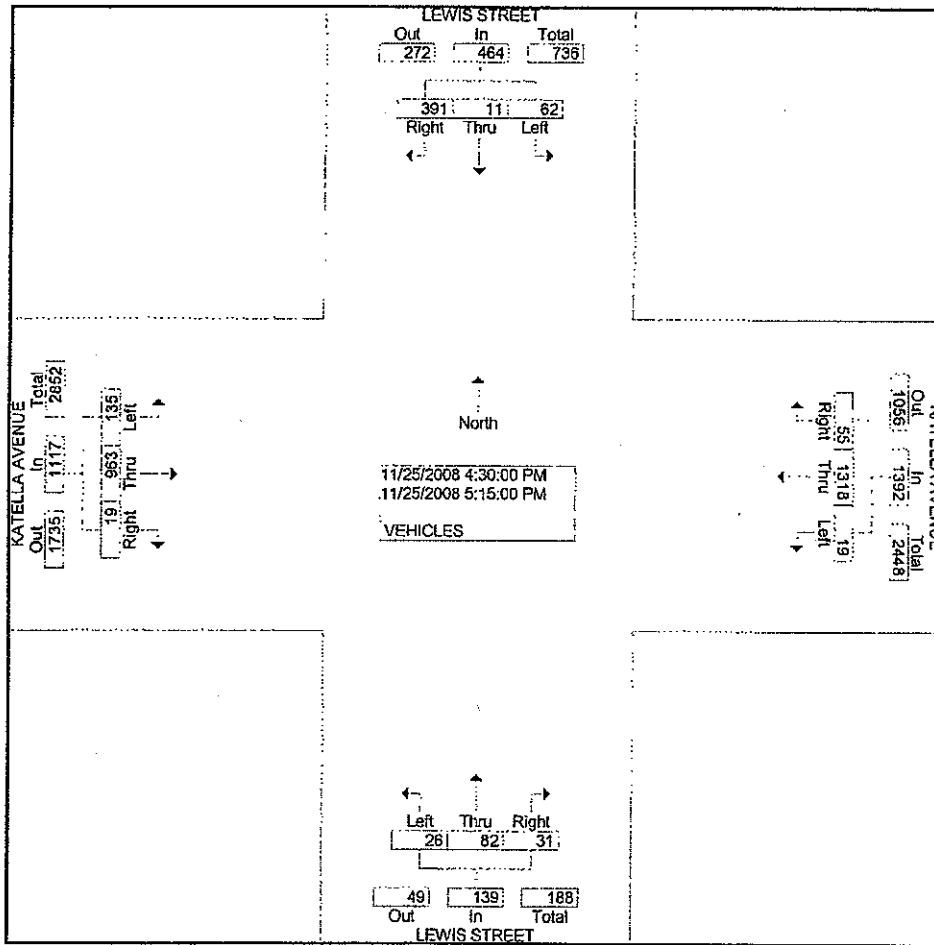
Groups Printed- VEHICLES

Start Time	LEWIS STREET Southbound			KATELLA AVENUE Westbound			LEWIS STREET Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	28	1	11	19	135	4	7	9	2	6	232	124	578
07:15 AM	26	4	7	12	157	3	2	5	1	4	222	75	518
07:30 AM	23	0	18	17	184	4	3	7	0	1	216	59	532
07:45 AM	37	2	11	10	200	7	2	14	4	5	307	88	687
Total	114	7	47	58	676	18	14	35	7	16	977	346	2315
08:00 AM	35	3	11	17	204	2	1	10	2	1	293	113	692
08:15 AM	30	2	9	25	217	7	3	4	3	3	269	69	641
08:30 AM	30	0	11	9	194	6	4	12	1	3	263	83	616
08:45 AM	29	4	5	11	185	0	1	6	0	2	227	71	541
Total	124	9	36	62	800	15	9	32	6	9	1052	336	2490
*** BREAK ***													
04:30 PM	83	1	10	12	299	5	12	17	5	5	228	28	705
04:45 PM	124	3	13	13	333	5	6	18	8	5	255	30	813
Total	207	4	23	25	632	10	18	35	13	10	483	58	1518
05:00 PM	72	3	13	15	303	5	4	31	7	6	237	42	738
05:15 PM	112	4	26	15	383	4	9	16	6	3	243	35	856
05:30 PM	68	0	12	23	317	5	5	14	10	3	212	20	689
05:45 PM	53	1	8	21	317	1	2	22	5	2	212	27	671
Total	305	8	59	74	1320	15	20	83	28	14	904	124	2954
06:00 PM	36	2	5	12	265	4	8	30	6	4	233	28	633
06:15 PM	40	0	18	10	237	1	5	14	7	2	257	33	624
Grand Total	826	30	188	241	3930	63	74	229	67	55	3906	925	10534
Approch %	79.1	2.9	18.0	5.7	92.8	1.5	20.0	61.9	18.1	1.1	79.9	18.9	
Total %	7.8	0.3	1.8	2.3	37.3	0.6	0.7	2.2	0.6	0.5	37.1	8.8	

Start Time	LEWIS STREET Southbound				KATELLA AVENUE Westbound				LEWIS STREET Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:45 AM																
Volume	132	7	42	181	61	815	22	898	10	40	10	60	12	1132	353	1497	2636
Percent	72.9	3.9	23.2		6.8	90.8	2.4		16.7	66.7	16.7		0.8	75.6	23.6		
08:00 Volume	35	3	11	49	17	204	2	223	1	10	2	13	1	293	113	407	692
Peak Factor	0.952																
High Int.	07:45 AM				08:15 AM				07:45 AM				08:00 AM				
Volume	37	2	11	50	25	217	7	249	2	14	4	20	1	293	113	407	
Peak Factor	0.905				0.902				0.750				0.920				



Start Time	LEWIS STREET Southbound				KATELLA AVENUE Westbound				LEWIS STREET Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:30 PM to 06:15 PM - Peak 1 of 1																	
Intersection	04:30 PM																
Volume	391	11	62	464	55	1318	19	1392	31	82	26	139	19	963	135	1117	3112
Percent	84.3	2.4	13.4		4.0	94.7	1.4		22.3	59.0	18.7		1.7	86.2	12.1		
05:15 Volume	112	4	26	142	15	383	4	402	9	16	6	31	3	243	35	281	856
Peak Factor																	
High Int.	05:15 PM				05:15 PM				05:00 PM				04:45 PM				0.909
Volume	112	4	26	142	15	383	4	402	4	31	7	42	5	255	30	290	
Peak Factor	0.817								0.866				0.827				0.963



Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809015
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: STATE COLLEGE BOULEVARD
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	STATE COLLEGE BOULEVARD Southbound			KATELLA AVENUE Westbound			STATE COLLEGE BOULEVARD Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	29	187	25	3	132	38	18	117	10	25	170	31	785
07:15 AM	23	176	27	4	135	31	19	120	11	21	188	48	803
07:30 AM	26	199	31	5	143	48	27	126	13	39	201	53	911
07:45 AM	27	228	33	6	146	57	31	131	15	50	219	57	1000
Total	105	790	116	18	556	174	95	494	49	135	778	189	3499
08:00 AM	33	130	39	8	148	53	33	97	19	48	187	51	846
08:15 AM	37	152	31	11	142	61	38	108	20	57	181	58	896
08:30 AM	39	160	36	10	147	60	37	111	21	56	188	51	916
08:45 AM	33	140	38	9	149	56	38	108	22	52	180	54	879
Total	142	582	144	38	586	230	146	424	82	213	736	214	3537
*** BREAK ***													
04:00 PM	35	120	18	26	233	39	47	154	20	29	175	49	945
04:15 PM	31	117	22	28	244	41	44	162	19	26	167	41	942
04:30 PM	37	138	21	29	232	44	49	157	23	28	187	46	991
04:45 PM	41	121	20	26	246	49	50	154	22	29	168	41	967
Total	144	496	81	109	955	173	190	627	84	112	697	177	3845
05:00 PM	39	162	23	26	279	48	52	177	26	32	179	52	1095
05:15 PM	42	159	26	27	281	42	50	179	29	31	163	49	1078
05:30 PM	38	151	29	26	269	44	53	169	26	32	176	54	1067
05:45 PM	39	168	24	30	268	49	49	180	29	30	164	42	1072
Total	158	640	102	109	1097	183	204	705	110	125	682	197	4312
Grand Total	549	2508	443	274	3194	760	635	2250	325	585	2893	777	15193
Apprch %	15.7	71.7	12.7	6.5	75.5	18	19.8	70.1	10.1	13.7	68	18.3	
Total %	3.6	16.5	2.9	1.8	21	5	4.2	14.8	2.1	3.9	19	5.1	

Transportation Studies, Inc.
 1350 Reynolds Avenue
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 Irvine, CA. 92614

File Name: H0809015
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 2

Start Time	STATE COLLEGE BOULEVARD Southbound				KATELLA AVENUE Westbound				STATE COLLEGE BOULEVARD Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	27	228	33	288	6	146	57	209	31	131	15	177	50	219	57	326	1000
08:00 AM	33	130	39	202	8	148	53	209	33	97	19	149	48	187	51	286	846
08:15 AM	37	152	31	220	11	142	61	214	38	108	20	166	57	181	58	296	896
08:30 AM	39	160	36	235	10	147	60	217	37	111	21	169	56	188	51	295	916
Total	136	670	139	945	35	583	231	849	139	447	75	661	211	775	217	1203	3658
% App.	14.4	70.9	14.7		4.1	68.7	27.2		21	67.6	11.3		17.5	64.4	18		
PHF	.872	.735	.891	.820	.795	.985	.947	.978	.914	.853	.893	.934	.925	.885	.935	.923	.915

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809015
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 3

Start Time	STATE COLLEGE BOULEVARD Southbound				KATELLA AVENUE Westbound				STATE COLLEGE BOULEVARD Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	39	162	23	224	26	279	48	353	52	177	26	255	32	179	52	263	1095
05:15 PM	42	159	26	227	27	281	42	350	50	179	29	258	31	163	49	243	1078
05:30 PM	38	151	29	218	26	269	44	339	53	169	26	248	32	176	54	262	1067
05:45 PM	39	168	24	231	30	268	49	347	49	180	29	258	30	164	42	236	1072
Total	158	640	102	900	109	109	183	1389	204	705	110	1019	125	682	197	1004	4312
% App.	17.6	71.1	11.3		7.8	79	13.2		20	69.2	10.8		12.5	67.9	19.6		
PHF	.940	.952	.879	.974	.908	.976	.934	.984	.962	.979	.948	.987	.977	.953	.912	.954	.984

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809025
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: SPORTSTOWN
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	SPORTSTOWN Southbound			KATELLA AVENUE Westbound			SPORTSTOWN Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	10	0	9	16	186	29	6	0	5	29	185	2	477
07:15 AM	7	0	9	20	182	20	1	0	9	29	184	3	464
07:30 AM	18	2	11	32	162	17	3	0	3	15	200	5	468
07:45 AM	15	2	16	22	164	15	4	0	6	16	244	8	512
Total	50	4	45	90	694	81	14	0	23	89	813	18	1921
08:00 AM	16	1	18	21	217	16	14	1	9	8	254	10	585
08:15 AM	14	0	4	24	221	11	9	1	6	20	222	7	539
08:30 AM	25	0	12	35	184	14	5	1	8	16	192	8	500
08:45 AM	14	2	9	27	173	11	7	1	4	16	239	8	511
Total	69	3	43	107	795	52	35	4	27	60	907	33	2135
*** BREAK ***													
04:00 PM	9	2	9	23	280	19	18	1	16	19	207	5	608
04:15 PM	18	1	24	30	284	11	31	1	20	10	214	3	647
04:30 PM	16	3	24	24	278	14	15	1	21	13	218	10	637
04:45 PM	28	1	19	31	313	11	28	1	11	12	193	14	662
Total	71	7	76	108	1155	55	92	4	68	54	832	32	2554
05:00 PM	20	2	35	22	247	11	33	2	14	9	220	5	620
05:15 PM	34	0	28	31	365	7	15	2	11	16	207	5	721
05:30 PM	30	1	39	21	291	8	11	1	11	13	237	2	665
05:45 PM	20	0	32	30	316	18	45	6	29	27	210	7	740
Total	104	3	134	104	1219	44	104	11	65	65	874	19	2746
Grand Total	294	17	298	409	3863	232	245	19	183	268	3426	102	9356
Apprch %	48.3	2.8	48.9	9.1	85.8	5.2	54.8	4.3	40.9	7.1	90.3	2.7	
Total %	3.1	0.2	3.2	4.4	41.3	2.5	2.6	0.2	2	2.9	36.6	1.1	

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809025
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 2

Start Time	SPORTSTOWN Southbound				KATELLA AVENUE Westbound				SPORTSTOWN Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	15	2	16	33	22	164	15	201	4	0	6	10	16	244	8	268	512
08:00 AM	16	1	18	35	21	217	16	254	14	1	9	24	8	254	10	272	585
08:15 AM	14	0	4	18	24	221	11	256	9	1	6	16	20	222	7	249	539
08:30 AM	25	0	12	37	35	184	14	233	5	1	8	14	16	192	8	216	500
Total	70	3	50	123	102	786	56	944	32	3	29	64	60	912	33	1005	2136
% App.	56.9	2.4	40.7		10.8	83.3	5.9		50	4.7	45.3		6	90.7	3.3		
PHF	.700	.375	.694	.831	.729	.889	.875	.922	.571	.750	.806	.667	.750	.898	.825	.924	.913

Transportation Studies, Inc.
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File Name: H0809025
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 3

Start Time	SPORTSTOWN Southbound				KATELLA AVENUE Westbound				SPORTSTOWN Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	20	2	35	57	22	247	11	280	33	2	14	49	9	220	5	234	620
05:15 PM	34	0	28	62	31	365	7	403	15	2	11	28	16	207	5	228	721
05:30 PM	30	1	39	70	21	291	8	320	11	1	11	23	13	237	2	252	665
05:45 PM	20	0	32	52	30	316	18	364	45	6	29	80	27	210	7	244	740
Total	104	3	134	241	104	121	44	1367	104	11	65	180	65	874	19	958	2746
% App.	43.2	1.2	55.6		7.6	89.2	3.2		57.8	6.1	36.1		6.8	91.2	2		
PHF	.765	.375	.859	.861	.839	.835	.611	.848	.578	.458	.560	.563	.602	.922	.679	.950	.928

Transportation Studies, Inc.
 1350 Reynolds Avenue
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File Name: H0809027
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: HOWELL AVENUE
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	HOWELL AVENUE Southbound			KATELLA AVENUE Westbound			HOWELL AVENUE Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	12	0	14	57	216	22	4	0	4	7	175	13	524
07:15 AM	9	7	31	54	201	19	7	2	3	8	170	7	518
07:30 AM	17	9	33	53	189	21	9	5	3	6	189	14	548
07:45 AM	17	8	56	64	242	28	11	1	5	12	243	7	694
Total	55	24	134	228	848	90	31	8	15	33	777	41	2284
08:00 AM	14	11	35	107	232	36	7	3	4	16	238	12	715
08:15 AM	5	4	59	87	218	35	8	1	2	13	207	12	651
08:30 AM	7	11	51	100	225	51	4	3	3	25	198	15	693
08:45 AM	7	3	49	69	216	56	2	7	10	17	162	16	614
Total	33	29	194	363	891	178	21	14	19	71	805	55	2673
*** BREAK ***													
04:00 PM	15	9	62	40	248	26	34	7	13	14	210	16	694
04:15 PM	14	7	84	36	353	17	32	7	19	11	230	11	821
04:30 PM	16	6	61	63	277	19	28	6	12	5	234	13	740
04:45 PM	9	4	84	69	356	20	50	7	25	5	243	16	888
Total	54	26	291	208	1234	82	144	27	69	35	917	56	3143
05:00 PM	8	1	59	85	277	13	43	4	12	18	242	7	769
05:15 PM	12	7	97	75	331	11	66	8	31	17	253	10	918
05:30 PM	7	2	71	68	292	25	31	10	31	7	250	13	807
05:45 PM	12	3	54	51	287	18	34	9	14	8	250	12	752
Total	39	13	281	279	1187	67	174	31	88	50	995	42	3246
Grand Total	181	92	900	1078	4160	417	370	80	191	189	3494	194	11346
Apprch %	15.4	7.8	76.7	19.1	73.6	7.4	57.7	12.5	29.8	4.9	90.1	5	
Total %	1.6	0.8	7.9	9.5	36.7	3.7	3.3	0.7	1.7	1.7	30.8	1.7	

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File Name: H0809027
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 2

Start Time	HOWELL AVENUE Southbound				KATELLA AVENUE Westbound				HOWELL AVENUE Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	17	8	56	81	64	242	28	334	11	1	5	17	12	243	7	262	694
08:00 AM	14	11	35	60	107	232	36	375	7	3	4	14	16	238	12	266	715
08:15 AM	5	4	59	68	87	218	35	340	8	1	2	11	13	207	12	232	651
08:30 AM	7	11	51	69	100	225	51	376	4	3	3	10	25	198	15	238	693
Total	43	34	201	278	358	917	150	1425	30	8	14	52	66	886	46	998	2753
% App.	15.5	12.2	72.3		25.1	64.4	10.5		57.7	15.4	26.9		6.6	88.8	4.6		
PHF	.632	.773	.852	.858	.836	.947	.735	.947	.682	.667	.700	.765	.660	.912	.767	.938	.963

Transportation Studies, Inc.
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File Name: H0809027
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 3

Start Time	HOWELL AVENUE Southbound				KATELLA AVENUE Westbound				HOWELL AVENUE Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	9	4	84	97	69	356	20	445	50	7	25	82	5	243	16	264	888
05:00 PM	8	1	59	68	85	277	13	375	43	4	12	59	18	242	7	267	769
05:15 PM	12	7	97	116	75	331	11	417	66	8	31	105	17	253	10	280	918
05:30 PM	7	2	71	80	68	292	25	385	31	10	31	72	7	250	13	270	807
Total	36	14	311	361	297	125	69	1622	190	29	99	318	47	988	46	1081	3382
% App.	10	3.9	86.1		18.3	77.4	4.3		59.7	9.1	31.1		4.3	91.4	4.3		
PHF	.750	.500	.802	.778	.874	.882	.690	.911	.720	.725	.798	.757	.653	.976	.719	.965	.921

Transportation Studies, Inc.
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File Name: H0809028
 Site Code: 00000000
 Start Date: 9/18/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: SR-57 SB RAMPS
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	SR-57 SB ON/OFF RAMPS Southbound			KATELLA AVENUE Westbound			SR-57 SB ON RAMP Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	118	0	56	38	164	0	0	0	0	28	185	0	589
07:15 AM	128	0	64	43	148	0	0	0	0	30	199	0	612
07:30 AM	139	0	75	42	162	0	0	0	0	24	193	0	635
07:45 AM	135	0	82	48	188	0	0	0	0	34	214	0	701
Total	520	0	277	171	662	0	0	0	0	116	791	0	2537
08:00 AM	147	0	88	54	231	0	0	0	0	39	191	0	750
08:15 AM	130	0	79	56	228	0	0	0	0	43	213	0	749
08:30 AM	136	0	80	62	236	0	0	0	0	35	209	0	758
08:45 AM	131	0	77	63	230	0	0	0	0	41	194	0	736
Total	544	0	324	235	925	0	0	0	0	158	807	0	2993
*** BREAK ***													
04:00 PM	124	0	56	101	274	0	0	0	0	90	253	0	898
04:15 PM	108	0	49	104	262	0	0	0	0	81	237	0	841
04:30 PM	104	0	61	114	266	0	0	0	0	80	237	0	862
04:45 PM	121	0	57	108	263	0	0	0	0	94	231	0	874
Total	457	0	223	427	1065	0	0	0	0	345	958	0	3475
05:00 PM	108	0	64	102	230	0	0	0	0	91	276	0	871
05:15 PM	111	0	59	118	247	0	0	0	0	94	268	0	897
05:30 PM	127	0	53	121	251	0	0	0	0	96	261	0	909
05:45 PM	119	0	51	118	248	0	0	0	0	82	272	0	890
Total	465	0	227	459	976	0	0	0	0	363	1077	0	3567
Grand Total	1986	0	1051	1292	3628	0	0	0	0	982	3633	0	12572
Apprch %	65.4	0	34.6	26.3	73.7	0	0	0	0	21.3	78.7	0	
Total %	15.8	0	8.4	10.3	28.9	0	0	0	0	7.8	28.9	0	

Transportation Studies, Inc.
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File Name: H0809028
 Site Code: 00000000
 Start Date: 9/18/2008
 Page No: 2

Start Time	SR-57 SB ON/OFF RAMPS Southbound				KATELLA AVENUE Westbound				SR-57 SB ON RAMP Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	147	0	88	235	54	231	0	285	0	0	0	0	39	191	0	230	750
08:15 AM	130	0	79	209	56	228	0	284	0	0	0	0	43	213	0	256	749
08:30 AM	136	0	80	216	62	236	0	298	0	0	0	0	35	209	0	244	758
08:45 AM	131	0	77	208	63	230	0	293	0	0	0	0	41	194	0	235	736
Total	544	0	324	868	235	925	0	1160	0	0	0	0	158	807	0	965	2993
% App.	62.7	0	37.3		20.3	79.7	0		0	0	0		16.4	83.6	0		
PHF	.925	.000	.920	.923	.933	.980	.000	.973	.000	.000	.000	.000	.919	.947	.000	.942	.987

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File Name: H0809028
 Site Code: 00000000
 Start Date: 9/18/2008
 Page No: 3

Start Time	SR-57 SB ON/OFF RAMPS Southbound				KATELLA AVENUE Westbound				SR-57 SB ON RAMP Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	108	0	64	172	102	230	0	332	0	0	0	0	91	276	0	367	871
05:15 PM	111	0	59	170	118	247	0	365	0	0	0	0	94	268	0	362	897
05:30 PM	127	0	53	180	121	251	0	372	0	0	0	0	96	261	0	357	909
05:45 PM	119	0	51	170	118	248	0	366	0	0	0	0	82	272	0	354	890
Total	465	0	227	692	459	976	0	1435	0	0	0	0	363	107	0	1440	3567
% App.	67.2	0	32.8		32	68	0		0	0	0		25.2	74.8	0		
PHF	.915	.000	.887	.961	.948	.972	.000	.964	.000	.000	.000	.000	.945	.976	.000	.981	.981

Transportation Studies, Inc.
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File Name: H0809029
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: SR-57 NB RAMPS
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	SR-57 NB ON RAMP Southbound			KATELLA AVENUE Westbound			SR-57 NB ON/OFF RAMPS Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	27	130	0	60	0	41	31	140	0	429
07:15 AM	0	0	0	26	118	0	81	0	45	42	177	0	489
07:30 AM	0	0	0	31	141	0	99	0	67	69	178	0	585
07:45 AM	0	0	0	38	186	0	107	0	81	79	204	0	695
Total	0	0	0	122	575	0	347	0	234	221	699	0	2198
08:00 AM	0	0	0	44	187	0	108	0	90	76	210	0	715
08:15 AM	0	0	0	33	218	0	101	0	82	73	227	0	734
08:30 AM	0	0	0	39	209	0	88	0	81	67	218	0	702
08:45 AM	0	0	0	44	204	0	81	0	76	63	211	0	679
Total	0	0	0	160	818	0	378	0	329	279	866	0	2830
*** BREAK ***													
04:00 PM	0	0	0	46	315	0	62	0	57	111	192	0	783
04:15 PM	0	0	0	50	318	0	59	0	58	98	184	0	767
04:30 PM	0	0	0	45	318	0	69	0	53	103	196	0	784
04:45 PM	0	0	0	56	289	0	66	0	52	108	179	0	750
Total	0	0	0	197	1240	0	256	0	220	420	751	0	3084
05:00 PM	0	0	0	59	305	0	90	0	61	115	213	0	843
05:15 PM	0	0	0	61	315	0	81	0	57	113	205	0	832
05:30 PM	0	0	0	53	312	0	85	0	54	119	215	0	838
05:45 PM	0	0	0	63	297	0	78	0	53	106	214	0	811
Total	0	0	0	236	1229	0	334	0	225	453	847	0	3324
Grand Total	0	0	0	715	3862	0	1315	0	1008	1373	3163	0	11436
Apprch %	0	0	0	15.6	84.4	0	56.6	0	43.4	30.3	69.7	0	
Total %	0	0	0	6.3	33.8	0	11.5	0	8.8	12	27.7	0	

Transportation Studies, Inc.
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File Name: H0809029
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 2

Start Time	SR-57 NB ON RAMP Southbound				KATELLA AVENUE Westbound				SR-57 NB ON/OFF RAMPS Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	0	0	0	0	38	186	0	224	107	0	81	188	79	204	0	283	695
08:00 AM	0	0	0	0	44	187	0	231	108	0	90	198	76	210	0	286	715
08:15 AM	0	0	0	0	33	218	0	251	101	0	82	183	73	227	0	300	734
08:30 AM	0	0	0	0	39	209	0	248	88	0	81	169	67	218	0	285	702
Total	0	0	0	0	154	800	0	954	404	0	334	738	295	859	0	1154	2846
% App.	0	0	0	0	16.1	83.9	0		54.7	0	45.3		25.6	74.4	0		
PHF	.000	.000	.000	.000	.875	.917	.000	.950	.935	.000	.928	.932	.934	.946	.000	.962	.969

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File Name: H0809029
 Site Code: 00000000
 Start Date: 9/17/2008
 Page No: 3

Start Time	SR-57 NB ON RAMP Southbound				KATELLA AVENUE Westbound				SR-57 NB ON/OFF RAMPS Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	59	305	0	364	90	0	61	151	115	213	0	328	843
05:15 PM	0	0	0	0	61	315	0	376	81	0	57	138	113	205	0	318	832
05:30 PM	0	0	0	0	53	312	0	365	85	0	54	139	119	215	0	334	838
05:45 PM	0	0	0	0	63	297	0	360	78	0	53	131	106	214	0	320	811
Total	0	0	0	0	236	122	0	1465	334	0	225	559	453	847	0	1300	3324
% App.	0	0	0	0	16.1	83.9	0		59.7	0	40.3		34.8	65.2	0		
PHF	.000	.000	.000	.000	.937	.975	.000	.974	.928	.000	.922	.925	.952	.985	.000	.973	.986

Transportation Studies, Inc.
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File Name: H0809030
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 1
 City: ANAHEIM
 N-S Direction: DOUGLASS ROAD
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	DOUGLASS ROAD Southbound			KATELLA AVENUE Westbound			DOUGLASS ROAD Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	8	0	27	26	127	1	5	3	10	14	147	63	431
07:15 AM	8	3	27	17	171	2	3	1	10	7	142	79	470
07:30 AM	6	3	21	23	147	4	1	4	10	13	158	102	492
07:45 AM	4	3	32	34	178	7	4	3	10	12	233	84	604
Total	26	9	107	100	623	14	13	11	40	46	680	328	1997
08:00 AM	13	1	23	25	248	3	2	5	7	14	261	93	695
08:15 AM	6	5	29	23	229	7	1	2	5	10	210	69	596
08:30 AM	16	5	26	27	230	5	2	6	14	11	171	86	599
08:45 AM	17	1	28	20	194	5	2	4	7	16	211	108	613
Total	52	12	106	95	901	20	7	17	33	51	853	356	2503
*** BREAK ***													
04:00 PM	59	4	32	20	253	18	3	2	30	14	226	27	688
04:15 PM	63	0	28	28	255	4	7	1	14	16	211	17	644
04:30 PM	62	1	39	23	266	8	5	17	59	12	185	20	697
04:45 PM	73	2	32	34	240	9	6	2	33	4	230	28	693
Total	257	7	131	105	1014	39	21	22	136	46	852	92	2722
05:00 PM	86	1	36	46	285	7	1	2	31	6	236	39	776
05:15 PM	143	1	41	56	298	6	3	4	22	4	229	32	839
05:30 PM	66	0	30	33	246	4	1	2	21	8	230	42	683
05:45 PM	45	1	26	33	208	6	2	2	13	8	230	58	632
Total	340	3	133	168	1037	23	7	10	87	26	925	171	2930
Grand Total	675	31	477	468	3575	96	48	60	296	169	3310	947	10152
Apprch %	57.1	2.6	40.3	11.3	86.4	2.3	11.9	14.9	73.3	3.8	74.8	21.4	
Total %	6.6	0.3	4.7	4.6	35.2	0.9	0.5	0.6	2.9	1.7	32.6	9.3	

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809030
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 2

Start Time	DOUGLASS ROAD Southbound				KATELLA AVENUE Westbound				DOUGLASS ROAD Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	13	1	23	37	25	248	3	276	2	5	7	14	14	261	93	368	695
08:15 AM	6	5	29	40	23	229	7	259	1	2	5	8	10	210	69	289	596
08:30 AM	16	5	26	47	27	230	5	262	2	6	14	22	11	171	86	268	599
08:45 AM	17	1	28	46	20	194	5	219	2	4	7	13	16	211	108	335	613
Total	52	12	106	170	95	901	20	1016	7	17	33	57	51	853	356	1260	2503
% App.	30.6	7.1	62.4		9.4	88.7	2		12.3	29.8	57.9		4	67.7	28.3		
PHF	.765	.600	.914	.904	.880	.908	.714	.920	.875	.708	.589	.648	.797	.817	.824	.856	.900

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809030
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 3

Start Time	DOUGLASS ROAD Southbound				KATELLA AVENUE Westbound				DOUGLASS ROAD Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	62	1	39	102	23	266	8	297	5	17	59	81	12	185	20	217	697
04:45 PM	73	2	32	107	34	240	9	283	6	2	33	41	4	230	28	262	693
05:00 PM	86	1	36	123	46	285	7	338	1	2	31	34	6	236	39	281	776
05:15 PM	143	1	41	185	56	298	6	360	3	4	22	29	4	229	32	265	839
Total	364	5	148	517	159	108	30	1278	15	25	145	185	26	880	119	1025	3005
% App.	70.4	1	28.6		12.4	85.2	2.3		8.1	13.5	78.4		2.5	85.9	11.6		
PHF	.636	.625	.902	.699	.710	.914	.833	.888	.625	.368	.614	.571	.542	.932	.763	.912	.895

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809039
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 1
 City: ORANGE
 N-S Direction: STUCK AVENUE
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	BUSINESS DRIVEWAY Southbound			KATELLA AVENUE Westbound			STRUCK AVENUE Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	0	133	1	1	0	26	62	117	0	340
07:15 AM	0	0	0	0	153	2	3	0	31	63	112	0	364
07:30 AM	0	0	0	0	156	6	3	0	30	76	117	0	388
07:45 AM	0	0	0	1	183	6	2	0	44	87	148	0	471
Total	0	0	0	1	625	15	9	0	131	288	494	0	1563
08:00 AM	0	0	0	1	208	8	4	0	31	75	252	0	579
08:15 AM	0	0	0	0	169	6	1	0	31	60	236	0	503
08:30 AM	0	0	0	1	165	5	5	0	31	63	197	0	467
08:45 AM	0	0	0	2	163	4	1	0	23	66	229	0	488
Total	0	0	0	4	705	23	11	0	116	264	914	0	2037
*** BREAK ***													
04:00 PM	0	0	0	0	211	2	4	0	78	53	196	0	544
04:15 PM	0	0	0	0	195	0	2	0	82	62	198	0	539
04:30 PM	0	0	0	0	232	1	4	0	73	51	216	0	577
04:45 PM	0	0	0	0	217	2	1	0	95	58	204	0	577
Total	0	0	0	0	855	5	11	0	328	224	814	0	2237
05:00 PM	0	0	0	0	255	1	3	0	86	42	222	0	609
05:15 PM	0	0	0	0	229	3	12	0	102	57	219	0	622
05:30 PM	0	0	0	0	214	5	4	0	58	48	217	0	546
05:45 PM	0	0	0	0	203	2	1	0	44	31	176	0	457
Total	0	0	0	0	901	11	20	0	290	178	834	0	2234
Grand Total	0	0	0	5	3086	54	51	0	865	954	3056	0	8071
Apprch %	0	0	0	0.2	98.1	1.7	5.6	0	94.4	23.8	76.2	0	
Total %	0	0	0	0.1	38.2	0.7	0.6	0	10.7	11.8	37.9	0	

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809039
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 2

Start Time	BUSINESS DRIVEWAY Southbound				KATELLA AVENUE Westbound				STRUCK AVENUE Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	0	0	0	0	1	208	8	217	4	0	31	35	75	252	0	327	579
08:15 AM	0	0	0	0	0	169	6	175	1	0	31	32	60	236	0	296	503
08:30 AM	0	0	0	0	1	165	5	171	5	0	31	36	63	197	0	260	467
08:45 AM	0	0	0	0	2	163	4	169	1	0	23	24	66	229	0	295	488
Total	0	0	0	0	4	705	23	732	11	0	116	127	264	914	0	1178	2037
% App.	0	0	0	0	0.5	96.3	3.1		8.7	0	91.3		22.4	77.6	0		
PHF	.000	.000	.000	.000	.500	.847	.719	.843	.550	.000	.935	.882	.880	.907	.000	.901	.880

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809039
 Site Code: 00000000
 Start Date: 9/23/2008
 Page No: 3

Start Time	BUSINESS DRIVEWAY Southbound				KATELLA AVENUE Westbound				STRUCK AVENUE Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	Rig	Thr	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	0	0	0	0	232	1	233	4	0	73	77	51	216	0	267	577
04:45 PM	0	0	0	0	0	217	2	219	1	0	95	96	58	204	0	262	577
05:00 PM	0	0	0	0	0	255	1	256	3	0	86	89	42	222	0	264	609
05:15 PM	0	0	0	0	0	229	3	232	12	0	102	114	57	219	0	276	622
Total	0	0	0	0	0	933	7	940	20	0	356	376	208	861	0	1069	2385
% App.	0	0	0	0	0	99.3	0.7		5.3	0	94.7		19.5	80.5	0		
PHF	.000	.000	.000	.000	.000	.915	.583	.918	.417	.000	.873	.825	.897	.970	.000	.968	.959

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809040
 Site Code: 00000000
 Start Date: 9/16/2008
 Page No: 1
 City: ORANGE
 N-S Direction: MAIN STREET
 E-W Direction: KATELLA AVENUE

Groups Printed- VEHICLES

Start Time	MAIN STREET Southbound			KATELLA AVENUE Westbound			MAIN STREET Northbound			KATELLA AVENUE Eastbound			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	8	55	6	10	118	56	22	48	6	14	92	18	453
07:15 AM	7	68	8	8	126	65	28	41	8	11	73	15	458
07:30 AM	10	103	7	13	124	78	30	43	11	12	104	22	557
07:45 AM	13	104	10	12	136	85	33	48	12	17	113	25	608
Total	38	330	31	43	504	284	113	180	37	54	382	80	2076
08:00 AM	16	98	8	16	188	89	36	50	10	15	128	27	681
08:15 AM	19	107	13	16	195	87	34	50	13	18	136	30	718
08:30 AM	20	110	11	14	200	91	38	57	14	18	141	28	742
08:45 AM	16	103	13	17	197	88	36	59	10	16	132	24	711
Total	71	418	45	63	780	355	144	216	47	67	537	109	2852
*** BREAK ***													
04:00 PM	26	56	17	28	171	44	63	78	23	15	178	13	712
04:15 PM	28	60	20	24	188	49	71	90	28	19	194	17	788
04:30 PM	30	63	18	33	182	46	76	94	29	20	173	19	783
04:45 PM	27	58	22	30	191	50	74	89	26	16	190	18	791
Total	111	237	77	115	732	189	284	351	106	70	735	67	3074
05:00 PM	31	53	23	34	179	55	78	98	30	19	198	22	820
05:15 PM	29	67	24	31	174	53	75	93	29	16	182	21	794
05:30 PM	32	71	21	33	178	58	70	101	31	20	185	23	823
05:45 PM	31	69	23	29	170	52	72	97	27	20	196	26	812
Total	123	260	91	127	701	218	295	389	117	75	761	92	3249
Grand Total	343	1245	244	348	2717	1046	836	1136	307	266	2415	348	11251
Apprch %	18.7	68	13.3	8.5	66.1	25.4	36.7	49.8	13.5	8.8	79.7	11.5	
Total %	3	11.1	2.2	3.1	24.1	9.3	7.4	10.1	2.7	2.4	21.5	3.1	

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809040
 Site Code: 00000000
 Start Date: 9/16/2008
 Page No: 2

Start Time	MAIN STREET Southbound				KATELLA AVENUE Westbound				MAIN STREET Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00 AM																	
08:00 AM	16	98	8	122	16	188	89	293	36	50	10	96	15	128	27	170	681
08:15 AM	19	107	13	139	16	195	87	298	34	50	13	97	18	136	30	184	718
08:30 AM	20	110	11	141	14	200	91	305	38	57	14	109	18	141	28	187	742
08:45 AM	16	103	13	132	17	197	88	302	36	59	10	105	16	132	24	172	711
Total	71	418	45	534	63	780	355	1198	144	216	47	407	67	537	109	713	2852
% App.	13.3	78.3	8.4		5.3	65.1	29.6		35.4	53.1	11.5		9.4	75.3	15.3		
PHF	.888	.950	.865	.947	.926	.975	.975	.982	.947	.915	.839	.933	.931	.952	.908	.953	.961

Transportation Studies, Inc.
 1350 Reynolds Avenue
 Suite 115
 Irvine, CA. 92614

File Name: H0809040
 Site Code: 00000000
 Start Date: 9/16/2008
 Page No: 3

Start Time	MAIN STREET Southbound				KATELLA AVENUE Westbound				MAIN STREET Northbound				KATELLA AVENUE Eastbound				Int.
	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	Rig	Thr	Left	App.	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	31	53	23	107	34	179	55	268	78	98	30	206	19	198	22	239	820
05:15 PM	29	67	24	120	31	174	53	258	75	93	29	197	16	182	21	219	794
05:30 PM	32	71	21	124	33	178	58	269	70	101	31	202	20	185	23	228	823
05:45 PM	31	69	23	123	29	170	52	251	72	97	27	196	20	196	26	242	812
Total	123	260	91	474	127	701	218	1046	295	389	117	801	75	761	92	928	3249
% App.	25.9	54.9	19.2		12.1	67	20.8		36.8	48.6	14.6		8.1	82	9.9		
PHF	.961	.915	.948	.956	.934	.979	.940	.972	.946	.963	.944	.972	.938	.961	.885	.959	.987

Transportation Studies, Inc.
 2680 Walnut Avenue
 Suite C
 Tustin, CA. 92780

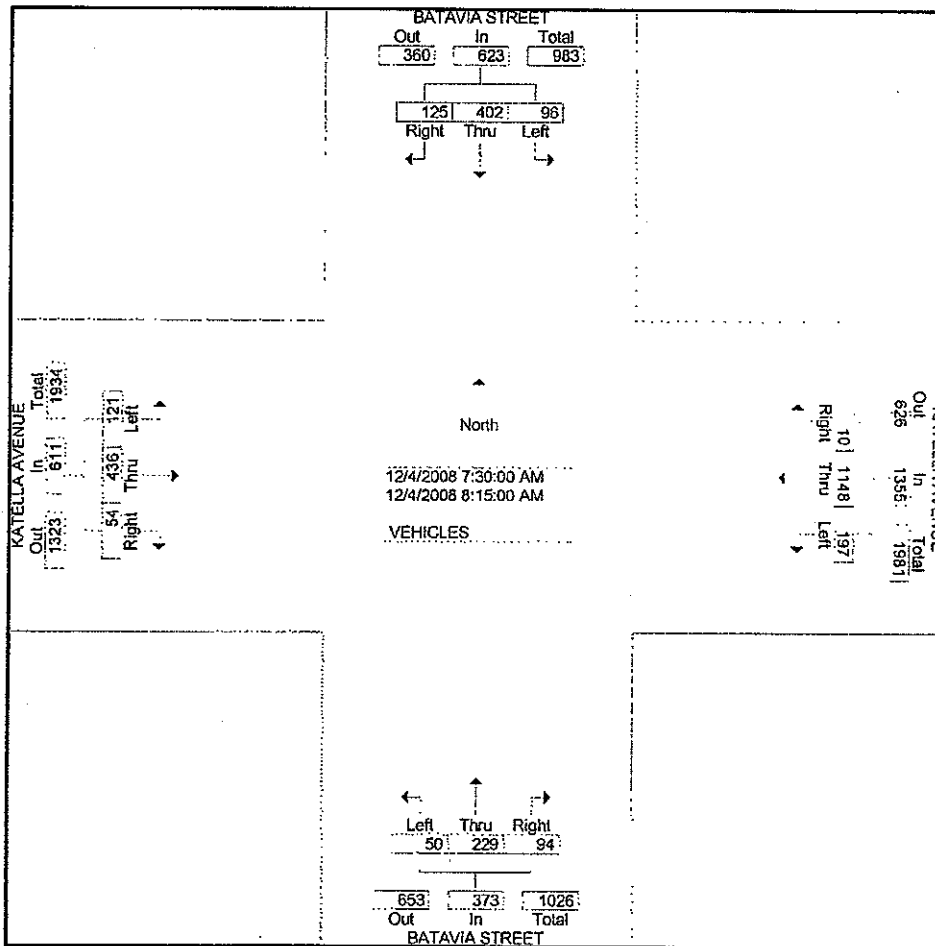
City: ANAHEIM
 N-S Direction: BATAVIA STREET
 E-W Direction: KATELLA AVENUE

File Name : h0811153
 Site Code : 00000000
 Start Date : 12/4/2008
 Page No : 1

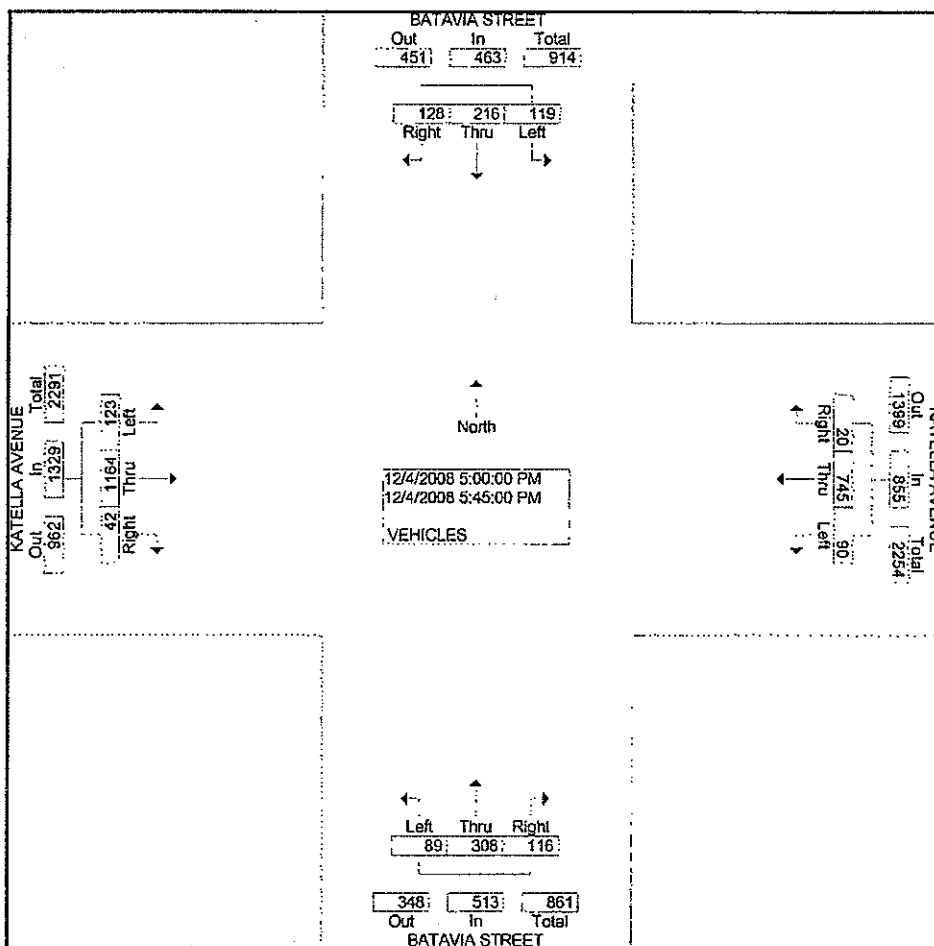
Groups Printed- VEHICLES

Start Time	BATAVIA STREET Southbound			KATELLA AVENUE Westbound			BATAVIA STREET Northbound			KATELLA AVENUE Eastbound			Int.	Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left		
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
07:00 AM	34	58	17	5	240	32	17	29	7	11	82	21		553
07:15 AM	25	56	19	3	228	33	18	33	14	14	100	21		564
07:30 AM	37	87	21	3	272	42	27	32	12	13	103	24		673
07:45 AM	29	120	28	2	303	44	22	62	16	15	127	36		804
Total	125	321	85	13	1043	151	84	156	49	53	412	102		2594
08:00 AM	29	97	23	1	293	54	19	71	14	13	103	31		748
08:15 AM	30	98	24	4	280	57	26	64	8	13	103	30		737
08:30 AM	23	68	19	4	244	53	32	34	18	15	107	32		649
08:45 AM	26	57	22	3	233	38	19	38	15	23	90	30		594
Total	108	320	88	12	1050	202	96	207	55	64	403	123		2728
*** BREAK ***														
04:30 PM	41	63	38	0	170	23	24	64	32	10	227	19		711
04:45 PM	24	70	40	1	159	25	20	70	18	6	268	24		725
Total	65	133	78	1	329	48	44	134	50	16	495	43		1436
05:00 PM	33	78	34	5	199	19	23	76	38	18	265	21		809
05:15 PM	29	41	27	3	170	31	39	97	21	9	315	36		818
05:30 PM	37	55	24	8	188	22	29	78	15	7	285	33		781
05:45 PM	29	42	34	4	188	18	25	57	15	8	299	33		752
Total	128	216	119	20	745	90	116	308	89	42	1164	123		3160
06:00 PM	26	26	32	7	206	13	30	48	18	5	223	26		660
06:15 PM	18	32	30	7	185	9	23	39	7	4	226	18		598
Grand Total	470	1048	432	60	3558	513	393	892	268	184	2923	435		11176
Apprch %	24.1	53.7	22.2	1.5	86.1	12.4	25.3	57.4	17.3	5.2	82.5	12.3		
Total %	4.2	9.4	3.9	0.5	31.8	4.6	3.5	8.0	2.4	1.6	26.2	3.9		

Start Time	BATAVIA STREET Southbound				KATELLA AVENUE Westbound				BATAVIA STREET Northbound				KATELLA AVENUE Eastbound				Int. Total	
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total		
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																		
Intersection	07:30 AM																	
Volume	125	402	96	623	10	1148	197	1355	94	229	50	373	54	436	121	611	2962	
Percent	20.1	64.5	15.4		0.7	84.7	14.5		25.2	61.4	13.4		8.8	71.4	19.8			
07:45	29	120	28	177	2	303	44	349	22	62	16	100	15	127	36	178	804	
Peak Factor	0.921																	
High Int.	07:45 AM																	
Volume	29	120	28	177	2	303	44	349	19	71	14	104	15	127	36	178		
Peak Factor	0.880								0.971								0.858	



Start Time	BATAVIA STREET Southbound				KATELLA AVENUE Westbound				BATAVIA STREET Northbound				KATELLA AVENUE Eastbound				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:30 PM to 06:15 PM - Peak 1 of 1																	
Intersection	05:00 PM																
Volume	128	216	119	463	20	745	90	855	116	308	89	513	42	1164	123	1329	3160
Percent	27.6	46.7	25.7		2.3	87.1	10.5		22.6	60.0	17.3		3.2	87.6	9.3		
05:15																	
Volume	29	41	27	97	3	170	31	204	39	97	21	157	9	315	36	360	818
Peak Factor	0.966																
High Int.	05:00 PM				05:00 PM				05:15 PM				05:15 PM				
Volume	33	78	34	145	5	199	19	223	39	97	21	157	9	315	36	360	
Peak Factor	0.798								0.959				0.817				0.923



APPENDIX A-II

ROADWAY SEGMENT COUNT DATA

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C

Tustin, CA. 92780

Location : KATELLA AVENUE
 Segment : I-5 FWY TO LEWIS ST
 Client : CITY OF ANAHEIM

Site ANAHEIM
 Date 12/11/08

Interval	EB				WB				Combined		Day	Thursday
	AM	PM	AM	PM	AM	PM	AM	PM				
12:00	62	204	218	929	64	181	272	957	126	385	490	1.886
12:15	59		218		58		211		117		429	
12:30	45		227		36		236		81		463	
12:45	38		266		23		238		61		504	
01:00	30	117	245	977	40	121	264	1,054	70	238	509	2.031
01:15	25		235		23		270		48		505	
01:30	36		273		35		312		71		585	
01:45	26		224		23		208		49		432	
02:00	35	130	251	959	23	86	267	1,155	58	216	518	2.114
02:15	33		246		24		272		57		518	
02:30	30		208		16		316		46		524	
02:45	32		254		23		300		55		554	
03:00	19	92	235	967	32	129	340	1,526	51	221	575	2.493
03:15	20		250		24		317		44		567	
03:30	25		248		38		456		63		704	
03:45	28		234		35		413		63		647	
04:00	21	241	251	921	36	177	436	1,732	57	418	687	2.653
04:15	46		222		44		372		90		594	
04:30	64		248		48		494		112		742	
04:45	110		200		49		430		159		630	
05:00	97	640	218	926	62	392	537	1,738	159	1,032	755	2.664
05:15	127		282		91		458		218		740	
05:30	204		216		133		399		337		615	
05:45	212		210		106		344		318		554	
06:00	174	1,035	188	829	154	637	354	1,234	328	1,672	542	2.063
06:15	223		206		154		282		377		488	
06:30	278		232		158		324		436		556	
06:45	360		203		171		274		531		477	
07:00	289	1,388	158	621	198	811	216	764	487	2,199	374	1,385
07:15	342		164		196		208		538		372	
07:30	360		153		202		184		562		337	
07:45	397		146		215		156		612		302	
08:00	338	1,249	142	604	210	837	174	583	548	2,086	316	1,187
08:15	335		162		200		146		535		308	
08:30	314		133		209		140		523		273	
08:45	262		167		218		123		480		290	
09:00	220	869	141	555	222	877	138	531	442	1,746	279	1,086
09:15	219		118		226		147		445		265	
09:30	216		172		197		140		413		312	
09:45	214		124		232		106		446		230	
10:00	178	727	132	544	232	862	126	425	410	1,589	258	969
10:15	180		146		194		114		374		260	
10:30	175		134		214		102		389		236	
10:45	194		132		222		83		416		215	
11:00	206	858	145	532	246	997	104	317	452	1,855	249	849
11:15	214		160		252		73		466		233	
11:30	224		142		242		78		466		220	
11:45	214		85		257		62		471		147	
Totals	7,550		9,364		6,107		12,016		13,657		21,380	
Split%	55.3		43.8		44.7		56.2					
Day Totals		16,914				18,123				35,037		
Day Splits		48.3				51.7						
Peak Hour	07:15		12:45		11:00		04:30		07:15		04:30	
Volume	1,437		1,019		997		1,919		2,260		2,867	
Factor	0.90		0.93		0.97		0.89		0.92		0.95	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C

Tustin, CA. 92780

Location : KATELLA AVENUE
 Segment : I-5 FWY TO LEWIS ST
 Client : CITY OF ANAHEIM

Site : ANAHEIM
 Date : 12/1/08

Interval	EB				WB				Combined		Day:	Thursday
	AM	PM	AM	PM	AM	PM	AM	PM				
12:00	62	204	218	929	64	181	272	957	126	385	490	1.886
12:15	59		218		58		211		117		429	
12:30	45		227		36		236		81		463	
12:45	38		266		23		238		61		504	
01:00	30	117	245	977	40	121	264	1,054	70	238	509	2.031
01:15	25		235		23		270		48		505	
01:30	36		273		35		312		71		585	
01:45	26		224		23		208		49		432	
02:00	35	130	251	959	23	86	267	1,155	58	216	518	2.114
02:15	33		246		24		272		57		518	
02:30	30		208		16		316		46		524	
02:45	32		254		23		300		55		554	
03:00	19	92	235	967	32	129	340	1,526	51	221	575	2.493
03:15	20		250		24		317		44		567	
03:30	25		248		38		456		63		704	
03:45	28		234		35		413		63		647	
04:00	21	241	251	921	36	177	436	1,732	57	418	687	2.653
04:15	46		222		44		372		90		594	
04:30	64		248		48		494		112		742	
04:45	110		200		49		430		159		630	
05:00	97	640	218	926	62	392	537	1,738	159	1,032	755	2.664
05:15	127		282		91		458		218		740	
05:30	204		216		133		399		337		615	
05:45	212		210		106		344		318		554	
06:00	174	1,035	188	829	154	637	354	1,234	328	1,672	542	2.063
06:15	223		206		154		282		377		488	
06:30	278		232		158		324		436		556	
06:45	360		203		171		274		531		477	
07:00	289	1,388	158	621	198	811	216	764	487	2,199	374	1,385
07:15	342		164		196		208		538		372	
07:30	360		153		202		184		562		337	
07:45	397		146		215		156		612		302	
08:00	338	1,249	142	604	210	837	174	583	548	2,086	316	1,187
08:15	335		162		200		146		535		308	
08:30	314		133		209		140		523		273	
08:45	262		167		218		123		480		290	
09:00	220	869	141	555	222	877	138	531	442	1,746	279	1,086
09:15	219		118		226		147		445		265	
09:30	216		172		197		140		413		312	
09:45	214		124		232		106		446		230	
10:00	178	727	132	544	232	862	126	425	410	1,589	258	969
10:15	180		146		194		114		374		260	
10:30	175		134		214		102		389		236	
10:45	194		132		222		83		416		215	
11:00	206	858	145	532	246	997	104	317	452	1,855	249	849
11:15	214		160		252		73		466		233	
11:30	224		142		242		78		466		220	
11:45	214		85		257		62		471		147	
Totals	7,550		9,364		6,107		12,016		13,657		21,380	
Split%	55.3		43.8		44.7		56.2					
Day Totals		16,914				18,123				35,037		
Day Splits		48.3				51.7						
Peak Hour	07:15		12:45		11:00		04:30		07:15		04:30	
Volume	1,437		1,019		997		1,919		2,260		2,867	
Factor	0.90		0.93		0.97		0.89		0.92		0.95	

Transportation Studies, Inc.
 2680 Walnut Avenue, Suite C
 Tustin, CA. 92780

Location : KATELLA AVENUE
 Segment : LEWIS ST TO STATE COLLEGE BLVD
 Client : CITY OF ANAHEIM

Site: ANAHEIM
 Date: 12/11/08

Interval	EB				WB				Combined		Day:	Thursday
	AM	PM	AM	PM	AM	PM	AM	PM				
12:00	60	174	204	855	40	122	240	892	100	296	444	1,747
12:15	40		199		40		216		80		415	
12:30	44		220		24		195		68		415	
12:45	30		232		18		241		48		473	
01:00	30	116	212	873	22	82	222	945	52	198	434	1,818
01:15	26		204		16		272		42		476	
01:30	34		254		28		263		62		517	
01:45	26		203		16		188		42		391	
02:00	25	81	210	856	16	68	184	956	41	149	394	1,812
02:15	22		222		16		242		38		464	
02:30	24		198		18		242		42		440	
02:45	10		226		18		288		28		514	
03:00	14	59	188	869	12	78	267	1,197	26	137	455	2,066
03:15	14		223		22		300		36		523	
03:30	16		244		21		322		37		566	
03:45	15		214		23		308		38		522	
04:00	18	168	262	930	26	169	340	1,319	44	337	602	2,249
04:15	36		224		34		299		70		523	
04:30	44		223		48		356		92		579	
04:45	70		221		61		324		131		545	
05:00	56	436	232	912	50	329	394	1,395	106	765	626	2,307
05:15	86		248		94		362		180		610	
05:30	140		250		102		361		242		611	
05:45	154		182		83		278		237		460	
06:00	132	760	176	749	123	533	334	1,077	255	1,293	510	1,826
06:15	180		197		120		260		300		457	
06:30	198		208		126		230		324		438	
06:45	250		168		164		253		414		421	
07:00	216	1,061	151	582	152	703	188	670	368	1,764	339	1,252
07:15	265		158		185		184		450		342	
07:30	280		139		162		146		442		285	
07:45	300		134		204		152		504		286	
08:00	278	997	131	554	190	780	137	503	468	1,777	268	1,057
08:15	258		144		198		132		456		276	
08:30	255		126		186		127		441		253	
08:45	206		153		206		107		412		260	
09:00	178	730	146	534	183	829	124	468	361	1,559	270	1,002
09:15	190		116		226		124		416		240	
09:30	180		158		194		118		374		276	
09:45	182		114		226		102		408		216	
10:00	170	650	118	516	214	817	92	322	384	1,467	210	838
10:15	160		138		186		88		346		226	
10:30	152		131		189		76		341		207	
10:45	168		129		228		66		396		195	
11:00	214	803	148	510	220	967	83	264	434	1,770	231	774
11:15	174		146		248		66		422		212	
11:30	204		140		235		63		439		203	
11:45	211		76		264		52		475		128	
Totals	6,035		8,740		5,477		10,008		11,512		18,748	
Split%	52.4		46.6		47.6		53.4					
Day Totals		14,775				15,485				30,260		
Day Splits		48.8				51.2						
Peak Hour	07:15		04:45		11:00		04:45		07:30		04:45	
Volume	1,123		951		967		1,441		1,870		2,392	
Factor	0.94		0.95		0.92		0.91		0.93		0.96	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C
Tustin, CA. 92780

Location: : KATELLA AVENUE
Segment: : STATE COLLEGE TO SPORTSTOWN
Client: : CITY OF ANAHEIM

Site: ANAHEIM
Date: 12/11/08

Interval	EB				WB				Combined		Day:	Thursday
	AM		PM		AM		PM		AM	PM		
12:00	52	162	216	902	50	132	262	1.073	102	294	478	1,975
12:15	37		214		38		251		75		465	
12:30	41		216		28		302		69		518	
12:45	32		256		16		258		48		514	
01:00	26	113	232	983	24	86	327	1.143	50	199	559	2,126
01:15	27		269		16		280		43		549	
01:30	26		250		28		306		54		556	
01:45	34		232		18		230		52		462	
02:00	16	74	248	923	16	66	244	1.078	32	140	492	2,001
02:15	24		231		14		254		38		485	
02:30	16		234		18		299		34		533	
02:45	18		210		18		281		36		491	
03:00	10	42	222	946	15	72	310	1.440	25	114	532	2,386
03:15	9		226		19		319		28		545	
03:30	14		266		16		394		30		660	
03:45	9		232		22		417		31		649	
04:00	12	150	256	934	22	159	425	1.643	34	309	681	2,577
04:15	26		232		34		390		60		622	
04:30	42		260		45		410		87		670	
04:45	70		186		58		418		128		604	
05:00	46	358	264	973	70	451	460	1.642	116	809	724	2,615
05:15	62		223		100		446		162		669	
05:30	124		266		128		368		252		634	
05:45	126		220		153		368		279		588	
06:00	88	598	190	760	146	703	334	1.291	234	1,301	524	2,051
06:15	166		180		166		356		332		536	
06:30	154		212		170		316		324		528	
06:45	190		178		221		285		411		463	
07:00	190	960	162	626	216	868	208	719	406	1,828	370	1,345
07:15	236		165		184		194		420		359	
07:30	256		166		222		159		478		325	
07:45	278		133		246		158		524		291	
08:00	212	875	156	583	242	910	154	534	454	1,785	310	1,117
08:15	246		162		226		134		472		296	
08:30	211		123		222		122		433		245	
08:45	206		142		220		124		426		266	
09:00	177	732	128	522	222	880	141	493	399	1,612	269	1,015
09:15	190		142		199		134		389		276	
09:30	194		130		234		116		428		246	
09:45	171		122		225		102		396		224	
10:00	170	690	119	493	244	918	114	344	414	1,608	233	837
10:15	172		132		208		84		380		216	
10:30	176		131		230		80		406		211	
10:45	172		111		236		66		408		177	
11:00	243	858	137	499	250	1,085	92	307	493	1,943	229	806
11:15	178		124		276		87		454		211	
11:30	212		140		265		68		477		208	
11:45	225		98		294		60		519		158	
Totals	5,612		9,144		6,330		11,707		11,942		20,851	
Split%	47.0		43.9		53.0		56.1					
Day Totals		14,756				18,037				32,793		
Day Splits		45.0				55.0						
Peak Hour	07:30		12:45		11:00		04:30		11:00		04:30	
Volume	992		1,007		1,085		1,734		1,943		2,667	
Factor	0.89		0.94		0.92		0.94		0.94		0.92	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C

Tustin, CA. 92780

Location: : KATELLA AVENUE
 Segment: : SPORTSTOWN TO HOWELL AVE
 Client: : CITY OF ANAHEIM

Site: ANAHEIM
 Date: 12/11/08

Interval	EB				WB				Combined		Day	Thursday
	Begin	AM	PM		AM	PM		AM	PM			
12:00	54	175	238	950	51	131	260	1,153	105	306	498	2,103
12:15	43		240		40		258		83		498	
12:30	40		232		26		291		66		523	
12:45	38		240		14		344		52		584	
01:00	28	116	229	1,015	23	85	450	1,327	51	201	679	2,342
01:15	28		274		16		352		44		626	
01:30	25		260		26		282		51		542	
01:45	35		252		20		243		55		495	
02:00	17	75	270	1,086	19	66	242	1,042	36	141	512	2,128
02:15	24		233		14		272		38		505	
02:30	16		291		17		256		33		547	
02:45	18		292		16		272		34		564	
03:00	10	43	274	1,157	15	77	264	1,287	25	120	538	2,444
03:15	10		281		20		310		30		591	
03:30	12		330		18		348		30		678	
03:45	11		272		24		365		35		637	
04:00	10	129	317	1,083	20	184	376	1,476	30	313	693	2,559
04:15	23		278		43		332		66		610	
04:30	37		264		52		406		89		670	
04:45	59		224		69		362		128		586	
05:00	40	347	294	1,153	76	521	457	1,532	116	868	751	2,685
05:15	64		274		119		383		183		657	
05:30	105		329		160		375		265		704	
05:45	138		256		166		317		304		573	
06:00	94	586	212	897	174	817	352	1,208	268	1,403	564	2,105
06:15	154		236		197		311		351		547	
06:30	150		254		178		284		328		538	
06:45	188		195		268		261		456		456	
07:00	192	946	182	675	218	911	204	725	410	1,857	386	1,400
07:15	206		193		206		179		412		372	
07:30	256		166		229		162		485		328	
07:45	292		134		258		180		550		314	
08:00	213	894	174	639	241	957	158	560	454	1,851	332	1,199
08:15	242		176		248		136		490		312	
08:30	221		134		220		142		441		276	
08:45	218		155		248		124		466		279	
09:00	178	770	157	592	222	917	138	481	400	1,687	295	1,073
09:15	205		162		245		126		450		288	
09:30	205		145		212		115		417		260	
09:45	182		128		238		102		420		230	
10:00	164	708	129	556	226	938	108	327	390	1,646	237	883
10:15	188		159		228		77		416		236	
10:30	180		148		230		74		410		222	
10:45	176		120		254		68		430		188	
11:00	278	974	160	580	246	1,099	68	264	524	2,073	228	844
11:15	199		134		282		72		481		206	
11:30	238		174		258		66		496		240	
11:45	259		112		313		58		572		170	
Totals	5,763		10,383		6,703		11,382		12,466		21,765	
Split%	46.2		47.7		53.8		52.3					
Day Totals		16,146				18,085				34,231		
Day Splits		47.2				52.8						
Peak Hour	07:30		03:15		11:00		04:30		11:00		04:45	
Volume	1,003		1,200		1,099		1,608		2,073		2,698	
Factor	0.86		0.91		0.88		0.88		0.91		0.90	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C

Tustin, CA. 92780

Location : KATELLA AVENUE
 Segment : HOWELL AVE TO ORANGE FWY
 Client : CITY OF ANAHEIM

Site: ANAHEIM
 Date: 12/09/08

Interval	EB		WB		Combined		Day	Tuesday				
	AM	PM	AM	PM	AM	PM						
12:00	86	288	364	1,265	26	93	305	1,298	112	381	669	2,563
12:15	66		321		24		310		90		631	
12:30	74		314		26		325		100		639	
12:45	62		266		17		358		79		624	
01:00	67	233	324	1,266	27	87	344	1,272	94	320	668	2,538
01:15	56		300		22		318		78		618	
01:30	57		332		24		290		81		622	
01:45	53		310		14		320		67		630	
02:00	31	95	294	1,259	18	75	284	1,205	49	170	578	2,464
02:15	19		305		16		294		35		599	
02:30	23		348		23		315		46		663	
02:45	22		312		18		312		40		624	
03:00	17	76	322	1,291	18	103	302	1,296	35	179	624	2,587
03:15	22		292		29		344		51		636	
03:30	14		327		26		326		40		653	
03:45	23		350		30		324		53		674	
04:00	36	182	343	1,362	37	269	361	1,294	73	451	704	2,656
04:15	24		308		72		284		96		592	
04:30	52		344		74		341		126		685	
04:45	70		367		86		308		156		675	
05:00	54	371	426	1,412	92	594	391	1,273	146	965	817	2,685
05:15	72		382		124		322		196		704	
05:30	117		323		172		300		289		623	
05:45	128		281		206		260		334		541	
06:00	126	642	284	1,048	202	957	304	1,017	328	1,599	588	2,065
06:15	155		240		228		236		383		476	
06:30	163		250		237		236		400		486	
06:45	198		274		290		241		488		515	
07:00	228	1,058	240	745	295	1,273	220	708	523	2,331	460	1,453
07:15	246		211		298		166		544		377	
07:30	290		140		308		164		598		304	
07:45	294		154		372		158		666		312	
08:00	251	976	162	530	415	1,533	143	551	666	2,509	305	1,081
08:15	238		122		417		144		655		266	
08:30	256		124		367		134		623		258	
08:45	231		122		334		130		565		252	
09:00	223	951	144	650	355	1,259	104	381	578	2,210	248	1,031
09:15	244		182		278		92		522		274	
09:30	250		171		306		102		556		273	
09:45	234		153		320		83		554		236	
10:00	203	910	140	508	284	1,153	95	269	487	2,063	235	777
10:15	223		132		300		66		523		198	
10:30	216		116		274		56		490		172	
10:45	268		120		295		52		563		172	
11:00	242	1,137	98	358	283	1,224	72	186	525	2,361	170	544
11:15	266		108		294		30		560		138	
11:30	305		76		340		50		645		126	
11:45	324		76		307		34		631		110	
Totals	6,919		11,694		8,620		10,750		15,539		22,444	
Split%	44.5		52.1		55.5		47.9					
Day Totals		18,613				19,370				37,983		
Day Splits		49.0				51.0						
Peak Hour	11:00		04:30		07:45		04:30		07:45		04:30	
Volume	1,137		1,519		1,571		1,362		2,610		2,881	
Factor	0.88		0.89		0.94		0.87		0.98		0.88	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C

Tustin, CA. 92780

Location: : KATELLA AVENUE
 Segment: : ORANGE FWY TO MAIN ST
 Client: : CITY OF ANAHEIM

Site: ANAHEIM
 Date: 12/09/08

Interval	EB				WB				Combined		Day	Tuesday
	AM	PM	AM	PM	AM	PM	AM	PM				
12:00	26	77	280	1,073	41	104	275	1,090	67	181	555	2,163
12:15	25		271		24		266		49		537	
12:30	13		296		20		278		33		574	
12:45	13		226		19		271		32		497	
01:00	28	72	248	982	16	62	330	1,253	44	134	578	2,235
01:15	8		226		19		328		27		554	
01:30	22		282		16		308		38		590	
01:45	14		226		11		287		25		513	
02:00	15	49	233	968	16	42	292	1,130	31	91	525	2,098
02:15	8		236		10		274		18		510	
02:30	12		241		6		304		18		545	
02:45	14		258		10		260		24		518	
03:00	13	62	213	1,011	10	41	283	1,124	23	103	496	2,135
03:15	10		204		10		272		20		476	
03:30	14		296		11		311		25		607	
03:45	25		298		10		258		35		556	
04:00	23	135	248	1,049	20	101	338	1,202	43	236	586	2,251
04:15	19		274		21		260		40		534	
04:30	38		226		34		330		72		556	
04:45	55		301		26		274		81		575	
05:00	58	456	292	1,050	28	262	393	1,190	86	718	685	2,240
05:15	72		292		42		282		114		574	
05:30	114		248		82		291		196		539	
05:45	212		218		110		224		322		442	
06:00	124	651	202	714	86	547	252	835	210	1,198	454	1,549
06:15	144		174		130		221		274		395	
06:30	167		160		144		188		311		348	
06:45	216		178		187		174		403		352	
07:00	186	860	178	524	175	903	156	588	361	1,763	334	1,112
07:15	198		138		224		129		422		267	
07:30	216		100		246		135		462		235	
07:45	260		108		258		168		518		276	
08:00	242	908	80	320	276	906	138	507	518	1,814	218	827
08:15	222		94		214		142		436		236	
08:30	214		66		240		121		454		187	
08:45	230		80		176		106		406		186	
09:00	230	850	60	272	210	859	110	390	440	1,709	170	662
09:15	192		68		228		102		420		170	
09:30	208		74		177		106		385		180	
09:45	220		70		244		72		464		142	
10:00	188	869	52	190	200	807	83	233	388	1,676	135	423
10:15	218		52		210		74		428		126	
10:30	234		40		213		46		447		86	
10:45	229		46		184		30		413		76	
11:00	221	1,047	38	123	219	947	52	171	440	1,994	90	294
11:15	275		34		222		33		497		67	
11:30	274		36		248		58		522		94	
11:45	277		15		258		28		535		43	
Totals	6,036		8,276		5,581		9,713		11,617		17,989	
Split%	52.0		46.0		48.0		54.0					
Day Totals		14,312				15,294				29,606		
Day Splits		48.3				51.7						
Peak Hour	11:00		04:45		07:15		04:30		11:00		04:30	
Volume	1,047		1,133		1,004		1,279		1,994		2,390	
Factor	0.94		0.94		0.91		0.81		0.93		0.87	

Transportation Studies, Inc.

2680 Walnut Avenue, Suite C
Tustin, CA. 92780

Location : KATELLA AVENUE
Segment : MAIN ST TO BATAVIA ST
Client : CITY OF ANAHEIM

Site: ANAHEIM
Date: 12/09/08

Interval	EB				WB				Combined				Day:	Tuesday
	AM		PM		AM		PM		AM		PM			
12:00	27	74	277	951	20	57	284	1,261	47	131	561	2,212		
12:15	25		232		11		313		36		545			
12:30	8		232		12		336		20		568			
12:45	14		210		14		328		28		538			
01:00	28	72	224	884	21	57	368	1,376	49	129	592	2,260		
01:15	8		218		14		343		22		561			
01:30	18		222		12		331		30		553			
01:45	18		220		10		334		28		554			
02:00	6	37	198	798	16	40	310	1,238	22	77	508	2,036		
02:15	14		210		4		336		18		546			
02:30	10		208		10		304		20		512			
02:45	7		182		10		288		17		470			
03:00	10	42	198	936	10	52	315	1,270	26	94	513	2,206		
03:15	12		216		10		280		22		496			
03:30	9		234		8		402		17		636			
03:45	11		288		24		273		35		561			
04:00	13	74	240	1,014	18	119	343	1,293	31	193	583	2,307		
04:15	12		244		24		271		36		515			
04:30	21		250		44		370		65		620			
04:45	28		280		33		309		61		589			
05:00	29	234	311	1,119	63	319	422	1,349	92	553	733	2,468		
05:15	35		318		58		321		93		639			
05:30	61		256		98		328		159		584			
05:45	109		234		100		278		209		512			
06:00	71	394	206	722	154	767	276	960	225	1,161	482	1,682		
06:15	91		186		169		248		260		434			
06:30	104		148		216		235		320		383			
06:45	128		182		228		201		356		383			
07:00	119	623	128	509	294	1,405	168	576	413	2,028	296	1,085		
07:15	122		154		340		116		462		270			
07:30	174		115		344		162		518		277			
07:45	208		112		427		130		635		242			
08:00	156	652	96	371	416	1,341	125	445	572	1,993	221	816		
08:15	163		116		316		126		479		242			
08:30	163		73		309		100		472		173			
08:45	170		86		300		94		470		180			
09:00	184	650	76	287	239	1,037	132	362	423	1,687	208	649		
09:15	148		63		262		88		410		151			
09:30	159		74		264		82		423		156			
09:45	159		74		272		60		431		134			
10:00	162	703	62	196	298	1,055	64	200	460	1,758	126	396		
10:15	180		47		264		70		444		117			
10:30	172		47		236		34		408		81			
10:45	189		40		257		32		446		72			
11:00	178	854	38	120	288	1,267	44	118	466	2,121	82	238		
11:15	209		28		329		28		538		56			
11:30	244		34		348		19		592		53			
11:45	223		20		302		27		525		47			
Totals	4,409		7,907		7,516		10,448		11,925		18,355			
Split%	37.0		43.1		63.0		56.9							
Day Totals		12,316				17,964				30,280				
Day Splits		40.7				59.3								
Peak Hour	11:00		04:45		07:15		04:30		07:30		04:30			
Volume	854		1,165		1,527		1,422		2,204		2,581			
Factor	0.88		0.92		0.89		0.84		0.87		0.88			