



File Name : 2 - TH 10 & Sunfish Lake Blvd, 5-16-17
 Site Code : 2
 Start Date : 5/16/2017
 Page No : 1

TH 10 & Sunfish Lake Blvd
 Ramsey, MN

Groups Printed- Cars + - Trucks

Start Time	Sunfish Lake Blvd Southbound						TH 10 Westbound						Sunfish Lake Blvd Northbound						TH 10 Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
12:00 AM	0	40	1	5	0	46	0	0	34	11	0	45	0	0	0	0	0	0	0	0	26	0	0	26	117
12:15 AM	0	4	1	0	0	5	0	1	29	7	0	37	0	0	0	0	0	0	0	3	27	0	0	30	72
12:30 AM	0	6	0	2	0	8	0	2	35	5	0	42	0	1	1	1	0	3	0	1	17	0	0	18	71
12:45 AM	0	1	0	2	0	3	0	0	42	7	0	49	0	0	0	0	0	0	0	0	17	0	0	17	69
Total	0	51	2	9	0	62	0	3	140	30	0	173	0	1	1	1	0	3	0	4	87	0	0	91	329
01:00 AM	0	4	0	1	0	5	1	1	33	3	0	38	0	0	0	0	0	0	0	2	14	0	0	16	59
01:15 AM	0	1	0	2	0	3	0	1	28	0	0	29	0	0	0	0	0	0	0	0	16	0	0	16	48
01:30 AM	0	17	0	2	0	19	0	0	19	7	0	26	0	0	0	0	0	0	0	1	15	0	0	16	61
01:45 AM	1	3	0	5	0	9	0	0	27	7	0	34	0	0	0	0	0	0	0	1	11	0	0	12	55
Total	1	25	0	10	0	36	1	2	107	17	0	127	0	0	0	0	0	0	0	4	56	0	0	60	223
02:00 AM	0	32	0	6	0	38	0	0	15	4	0	19	0	0	0	0	0	0	0	4	12	0	0	16	73
02:15 AM	0	15	0	3	0	18	0	1	9	3	0	13	0	0	0	2	0	2	0	0	22	0	0	22	55
02:30 AM	0	3	0	4	0	7	0	0	25	2	0	27	0	0	0	0	0	0	0	0	27	0	0	27	61
02:45 AM	0	7	0	3	0	10	0	0	18	2	0	20	0	0	0	0	0	0	0	0	24	0	0	24	54
Total	0	57	0	16	0	73	0	1	67	11	0	79	0	0	0	2	0	2	0	4	85	0	0	89	243
03:00 AM	0	5	0	0	0	5	0	0	14	3	0	17	0	0	0	0	0	0	0	2	34	0	0	36	58
03:15 AM	0	8	0	2	0	10	0	0	13	3	0	16	0	0	0	0	0	0	0	2	32	0	0	34	60
03:30 AM	0	6	0	2	0	8	0	0	29	3	0	32	0	0	0	0	0	0	0	0	45	0	0	45	85
03:45 AM	0	4	0	2	0	6	0	0	19	5	0	24	0	0	0	2	0	2	0	3	42	0	0	45	77
Total	0	23	0	6	0	29	0	0	75	14	0	89	0	0	0	2	0	2	0	7	153	0	0	160	280
04:00 AM	0	5	0	1	0	6	1	2	17	8	0	28	0	0	0	0	0	0	0	4	57	0	0	61	95
04:15 AM	0	11	0	3	0	14	0	0	42	15	0	57	0	0	0	0	0	0	0	12	99	0	0	111	182
04:30 AM	0	16	0	6	0	22	0	0	38	50	0	88	0	1	1	1	0	3	0	14	149	0	0	163	276
04:45 AM	0	23	0	8	0	31	0	0	39	53	0	92	0	0	0	1	0	1	0	15	192	0	0	207	331
Total	0	55	0	18	0	73	1	2	136	126	0	265	0	1	1	2	0	4	0	45	497	0	0	542	884
05:00 AM	0	36	0	4	0	40	0	0	91	20	0	111	0	0	1	1	0	2	0	8	189	0	0	197	350
05:15 AM	0	28	0	4	0	32	0	0	90	36	0	126	0	0	2	4	0	6	0	11	353	0	0	364	528
05:30 AM	0	47	0	7	0	54	1	1	95	73	0	170	0	0	0	4	0	4	1	8	436	0	0	445	673
05:45 AM	0	67	0	9	0	76	4	0	115	133	0	252	0	1	2	9	0	12	0	36	411	0	0	447	787
Total	0	178	0	24	0	202	5	1	391	262	0	659	0	1	5	18	0	24	1	63	1389	0	0	1453	2338
06:00 AM	0	88	0	13	0	101	0	1	136	61	0	198	0	0	1	5	0	6	0	15	508	0	0	523	828
06:15 AM	0	93	0	15	0	108	1	0	160	84	0	245	0	0	1	13	0	14	0	19	588	1	0	608	975
06:30 AM	0	85	1	25	0	111	1	2	215	68	0	286	0	0	3	11	0	14	0	24	610	0	0	634	1045
06:45 AM	0	106	2	20	0	128	3	2	203	112	0	320	0	1	8	9	0	18	2	46	544	2	1	595	1061
Total	0	372	3	73	0	448	5	5	714	325	0	1049	0	1	13	38	0	52	2	104	2250	3	1	2360	3909
07:00 AM	0	105	1	32	0	138	1	2	221	84	0	308	0	7	3	19	0	29	0	16	558	2	0	576	1051
07:15 AM	0	130	3	18	0	151	2	1	242	90	0	335	0	2	14	20	0	36	1	35	530	0	0	566	1088
07:30 AM	0	106	1	27	0	134	2	3	347	66	0	418	0	0	5	19	0	24	0	14	560	0	0	574	1150



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TH 10 & Sunfish Lake Blvd
 Ramsey, MN

Groups Printed- Cars + - Trucks

Start Time	Sunfish Lake Blvd Southbound						TH 10 Westbound						Sunfish Lake Blvd Northbound						TH 10 Eastbound						Int. Total	
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total		
07:45 AM	2	106	3	25	0	136	4	1	285	126	0	416	0	0	7	8	0	15	0	31	472	2	0	505	1072	
Total	2	447	8	102	0	559	9	7	1095	366	0	1477	0	9	29	66	0	104	1	96	2120	4	0	2221	4361	
08:00 AM	0	58	1	9	0	68	5	9	265	78	0	357	0	1	4	6	0	11	0	16	497	2	0	515	951	
08:15 AM	0	102	0	18	0	120	10	6	220	66	0	302	0	2	3	11	0	16	0	22	383	2	0	407	845	
08:30 AM	0	60	1	31	0	92	4	4	196	53	0	257	0	0	1	5	0	6	1	13	368	1	0	383	738	
08:45 AM	0	50	3	20	0	73	4	0	237	60	0	301	0	2	0	9	0	11	0	13	392	1	0	406	791	
Total	0	270	5	78	0	353	23	19	918	257	0	1217	0	5	8	31	0	44	1	64	1640	6	0	1711	3325	
09:00 AM	0	72	2	10	0	84	8	3	205	45	0	261	0	2	1	5	0	8	1	17	336	1	0	355	708	
09:15 AM	0	61	1	22	0	84	0	1	3	221	56	0	281	0	1	2	3	0	6	0	12	325	1	0	338	709
09:30 AM	0	48	0	20	0	68	5	2	209	60	0	276	0	2	0	2	0	4	0	11	311	0	0	322	670	
09:45 AM	0	52	0	27	0	79	5	4	225	50	0	284	0	1	0	6	0	7	1	14	304	3	0	322	692	
Total	0	233	3	79	0	315	19	12	860	211	0	1102	0	6	3	16	0	25	2	54	1276	5	0	1337	2779	
10:00 AM	0	42	0	20	0	62	4	5	205	34	0	248	0	3	1	3	0	7	0	15	290	1	0	306	623	
10:15 AM	0	50	4	21	0	75	1	3	247	40	0	291	0	3	2	6	0	11	2	13	309	0	0	324	701	
10:30 AM	1	45	2	20	0	68	4	5	201	40	0	250	0	0	5	6	0	11	0	13	285	0	0	298	627	
10:45 AM	1	46	0	26	0	73	5	1	232	44	0	282	0	1	1	7	0	9	1	7	277	0	0	285	649	
Total	2	183	6	87	0	278	14	14	885	158	0	1071	0	7	9	22	0	38	3	48	1161	1	0	1213	2600	
11:00 AM	0	68	4	11	0	83	3	4	228	46	0	281	0	0	3	5	0	8	2	15	250	2	0	269	641	
11:15 AM	0	74	1	23	0	98	1	3	225	45	0	274	0	0	5	3	0	8	0	17	256	4	0	277	657	
11:30 AM	0	74	6	17	0	97	4	7	252	57	0	320	0	2	5	7	0	14	0	10	306	1	0	317	748	
11:45 AM	1	68	7	22	0	98	7	4	229	58	1	299	0	1	5	12	0	18	2	21	258	2	0	283	698	
Total	1	284	18	73	0	376	15	18	934	206	1	1174	0	3	18	27	0	48	4	63	1070	9	0	1146	2744	
12:00 PM	3	70	4	25	0	102	2	5	304	73	1	385	0	1	5	6	0	12	1	9	280	1	0	291	790	
12:15 PM	1	76	2	20	0	99	2	5	229	72	0	308	0	3	4	4	0	11	1	11	309	5	0	326	744	
12:30 PM	0	53	1	21	0	75	5	7	275	68	0	355	0	3	1	6	0	10	0	17	283	4	0	304	744	
12:45 PM	2	63	0	26	0	91	7	5	275	77	0	364	0	3	4	6	0	13	2	18	304	0	0	324	792	
Total	6	262	7	92	0	367	16	22	1083	290	1	1412	0	10	14	22	0	46	4	55	1176	10	0	1245	3070	
01:00 PM	1	64	4	22	0	91	4	1	266	77	0	348	0	2	2	3	0	7	0	15	284	2	0	301	747	
01:15 PM	2	39	0	10	0	51	2	5	271	61	0	339	0	1	1	5	0	7	3	15	251	1	0	270	667	
01:30 PM	0	60	3	20	0	83	3	3	288	77	0	371	0	2	6	10	0	18	1	19	301	1	0	322	794	
01:45 PM	1	65	3	21	0	90	15	10	258	80	0	363	0	1	5	2	0	8	1	8	284	1	0	294	755	
Total	4	228	10	73	0	315	24	19	1083	295	0	1421	0	6	14	20	0	40	5	57	1120	5	0	1187	2963	
02:00 PM	0	94	3	26	0	123	16	6	345	86	0	453	0	3	4	3	0	10	0	15	273	2	0	290	876	
02:15 PM	0	59	0	12	0	71	8	6	390	73	0	477	0	1	1	3	0	5	0	17	363	1	1	382	935	
02:30 PM	1	89	7	32	0	129	6	11	394	63	0	474	0	0	4	10	0	14	1	14	298	1	0	314	931	
02:45 PM	0	48	7	16	0	71	3	4	492	102	0	601	0	2	0	7	0	9	1	15	332	0	0	348	1029	
Total	1	290	17	86	0	394	33	27	1621	324	0	2005	0	6	9	23	0	38	2	61	1266	4	1	1334	3771	



File Name : 2 - TH 10 & Sunfish Lake Blvd, 5-16-17
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TH 10 & Sunfish Lake Blvd
 Ramsey, MN

Groups Printed- Cars + - Trucks

Start Time	Sunfish Lake Blvd Southbound						TH 10 Westbound						Sunfish Lake Blvd Northbound						TH 10 Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
03:00 PM	2	123	4	35	0	164	5	2	438	90	0	535	0	1	3	6	0	10	0	22	305	3	0	330	1039
03:15 PM	1	65	5	29	0	100	1	3	522	71	0	597	0	0	3	9	0	12	0	17	339	1	0	357	1066
03:30 PM	0	151	12	51	0	214	6	15	506	74	0	601	0	1	3	6	0	10	0	22	352	0	0	374	1199
03:45 PM	2	83	4	42	0	131	2	7	527	86	0	622	0	2	1	4	0	7	1	16	367	0	1	385	1145
Total	5	422	25	157	0	609	14	27	1993	321	0	2355	0	4	10	25	0	39	1	77	1363	4	1	1446	4449
04:00 PM	2	101	10	31	0	144	5	6	524	75	0	610	0	2	4	14	0	20	0	17	331	4	1	353	1127
04:15 PM	2	96	4	33	0	135	4	5	537	86	0	632	0	1	2	6	0	9	1	21	389	2	0	413	1189
04:30 PM	1	184	7	49	0	241	2	8	498	58	0	566	0	3	4	5	0	12	3	26	348	3	0	380	1199
04:45 PM	2	90	3	33	0	128	2	7	607	70	0	686	0	2	1	3	0	6	1	21	423	3	1	449	1269
Total	7	471	24	146	0	648	13	26	2166	289	0	2494	0	8	11	28	0	47	5	85	1491	12	2	1595	4784
05:00 PM	0	150	5	48	0	203	1	7	517	83	0	608	0	4	5	6	0	15	0	18	408	1	0	427	1253
05:15 PM	0	88	7	39	0	134	1	8	572	85	0	666	0	2	5	3	0	10	2	15	365	3	0	385	1195
05:30 PM	0	83	6	30	0	119	3	12	544	75	0	634	0	3	3	2	0	8	1	15	286	3	2	307	1068
05:45 PM	0	54	2	33	0	89	3	4	523	93	0	623	0	2	4	0	0	6	0	21	307	2	1	331	1049
Total	0	375	20	150	0	545	8	31	2156	336	0	2531	0	11	17	11	0	39	3	69	1366	9	3	1450	4565
06:00 PM	4	74	2	26	0	106	7	7	448	69	0	531	0	1	1	6	0	8	1	12	306	0	1	320	965
06:15 PM	1	56	4	16	0	77	4	3	448	79	0	534	0	2	5	1	0	8	1	21	287	1	0	310	929
06:30 PM	1	52	2	18	0	73	3	8	421	75	0	507	0	0	4	1	0	5	0	10	274	1	0	285	870
06:45 PM	2	30	4	11	0	47	2	5	341	54	0	402	0	1	3	2	0	6	2	12	210	0	2	226	681
Total	8	212	12	71	0	303	16	23	1658	277	0	1974	0	4	13	10	0	27	4	55	1077	2	3	1141	3445
07:00 PM	0	49	2	16	0	67	0	4	332	36	0	372	0	2	2	1	0	5	1	17	193	0	0	211	655
07:15 PM	1	36	3	17	0	57	7	6	285	45	0	343	0	2	1	0	0	3	2	14	186	1	0	203	606
07:30 PM	6	25	1	11	0	43	3	3	296	34	0	336	0	1	1	3	0	5	1	9	174	0	0	184	568
07:45 PM	4	29	4	15	0	52	2	4	228	56	0	290	0	0	3	2	0	5	4	10	173	1	0	188	535
Total	11	139	10	59	0	219	12	17	1141	171	0	1341	0	5	7	6	0	18	8	50	726	2	0	786	2364
08:00 PM	0	33	3	26	0	62	4	4	236	56	0	300	0	1	0	5	0	6	2	5	155	2	0	164	532
08:15 PM	1	27	1	10	0	39	4	8	229	54	0	295	0	1	2	6	0	9	1	16	181	0	0	198	541
08:30 PM	0	20	3	8	0	31	4	7	225	37	0	273	0	0	3	2	0	5	0	9	183	0	0	192	501
08:45 PM	0	15	2	12	0	29	0	4	213	40	0	257	0	4	1	5	0	10	1	12	134	0	0	147	443
Total	1	95	9	56	0	161	12	23	903	187	0	1125	0	6	6	18	0	30	4	42	653	2	0	701	2017
09:00 PM	3	22	0	9	0	34	2	5	186	27	0	220	0	0	2	12	0	14	1	7	166	0	0	174	442
09:15 PM	2	13	2	7	0	24	1	0	179	26	0	206	0	0	2	5	0	7	0	11	134	2	1	148	385
09:30 PM	1	17	0	4	0	22	2	1	154	32	0	189	0	2	0	6	0	8	0	10	103	0	0	113	332
09:45 PM	0	9	4	7	0	20	2	1	150	36	0	189	0	2	0	1	0	3	0	10	86	0	0	96	308
Total	6	61	6	27	0	100	7	7	669	121	0	804	0	4	4	24	0	32	1	38	489	2	1	531	1467
10:00 PM	0	16	2	3	0	21	1	4	156	25	0	186	0	0	2	2	0	4	0	4	94	0	0	98	309
10:15 PM	0	10	0	3	0	13	2	3	110	30	0	145	0	0	0	0	0	0	1	9	84	0	0	94	252
10:30 PM	2	15	1	3	0	21	0	3	102	29	0	134	0	0	1	0	0	1	0	5	63	0	0	68	224



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TH 10 & Sunfish Lake Blvd
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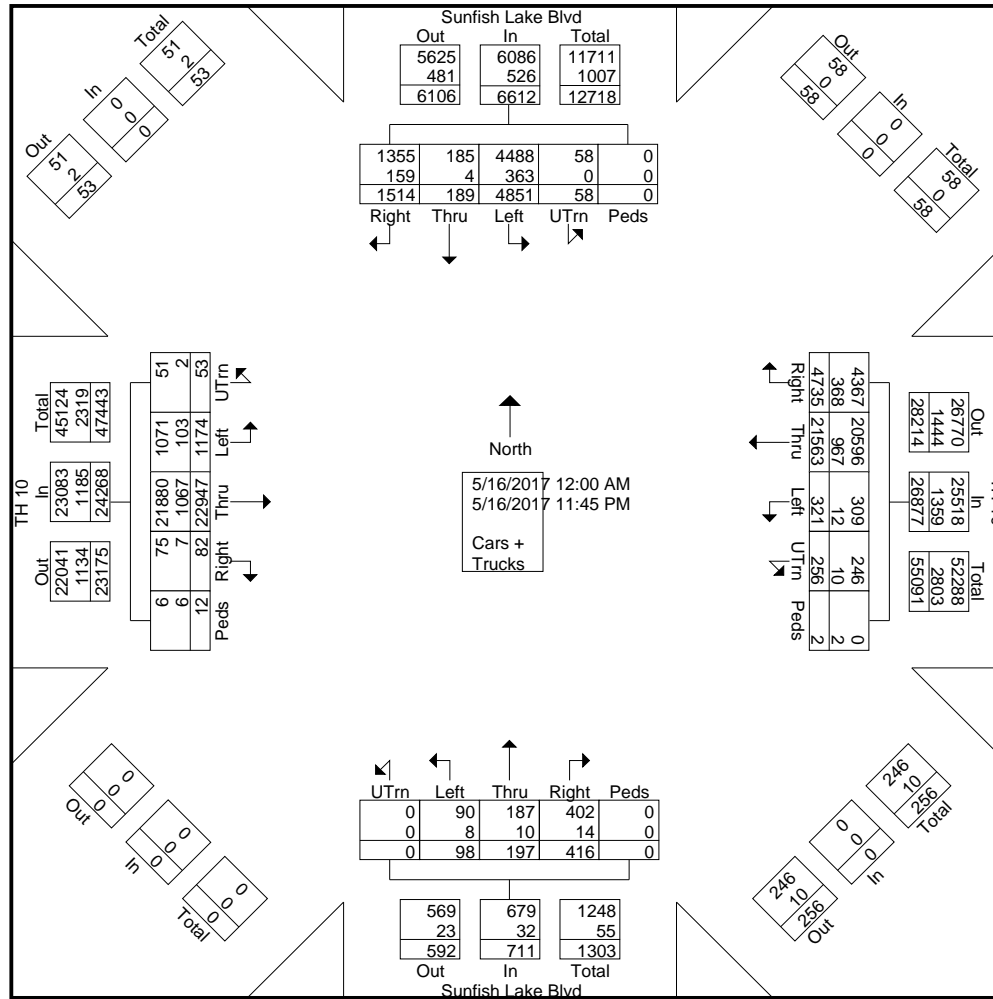
Groups Printed- Cars + - Trucks

Start Time	Sunfish Lake Blvd Southbound						TH 10 Westbound						Sunfish Lake Blvd Northbound						TH 10 Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
10:45 PM	1	11	1	5	0	18	1	2	88	12	0	103	0	0	0	1	0	1	1	2	50	2	0	55	177
Total	3	52	4	14	0	73	4	12	456	96	0	568	0	0	3	3	0	6	2	20	291	2	0	315	962
11:00 PM	0	40	0	3	0	43	1	2	87	12	0	102	0	0	1	1	0	2	0	2	41	0	0	43	190
11:15 PM	0	11	0	2	0	13	1	1	86	11	0	99	0	0	0	0	0	0	0	4	47	0	0	51	163
11:30 PM	0	9	0	3	0	12	2	0	77	12	0	91	0	0	1	0	0	1	0	3	37	0	0	40	144
11:45 PM	0	6	0	0	0	6	1	0	62	10	0	73	0	0	0	0	0	0	0	0	20	0	0	20	99
Total	0	66	0	8	0	74	5	3	312	45	0	365	0	0	2	1	0	3	0	9	145	0	0	154	596
Grand Total	58	4851	189	1514	0	6612	256	321	21563											22947					
Cars +	58	4488	185	1355	0	6086	246	309	20596	4367	0	25518	0	90	187	402	0	679	51	1071	21880	75	6	23083	55366
% Cars +	100	92.5	97.9	89.5	0	92	96.1	96.3	95.5	92.2	0	94.9	0	91.8	94.9	96.6	0	95.5	96.2	91.2	95.4	91.5	50	95.1	94.7
Trucks	0	363	4	159	0	526	10	12	967	368	2	1359	0	8	10	14	0	32	2	103	1067	7	6	1185	3102
% Trucks	0	7.5	2.1	10.5	0	8	3.9	3.7	4.5	7.8	100	5.1	0	8.2	5.1	3.4	0	4.5	3.8	8.8	4.6	8.5	50	4.9	5.3



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TH 10 & Sunfish Lake Blvd
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Start Time	Sunfish Lake Blvd Southbound						TH 10 Westbound						Sunfish Lake Blvd Northbound						TH 10 Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:00 AM to 09:45 AM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 07:00 AM																									
07:00 AM	0	105	1	32	0	138	1	2	221	84	0	308	0	7	3	19	0	29	0	16	558	2	0	576	1051
07:15 AM	0	130	3	18	0	151	2	1	242	90	0	335	0	2	14	20	0	36	1	35	530	0	0	566	1088
07:30 AM	0	106	1	27	0	134	2	3	347	66	0	418	0	0	5	19	0	24	0	14	560	0	0	574	1150
07:45 AM	2	106	3	25	0	136	4	1	285	126	0	416	0	0	7	8	0	15	0	31	472	2	0	505	1072
Total Volume	2	447	8	102	0	559	9	7	1095	366	0	1477	0	9	29	66	0	104	1	96	2120	4	0	2221	4361
% App. Total	0.4	80	1.4	18.2	0		0.6	0.5	74.1	24.8	0		0	8.7	27.9	63.5	0		0	4.3	95.5	0.2	0		
PHF	.250	.860	.667	.797	.000	.925	.563	.583	.789	.726	.000	.883	.000	.321	.518	.825	.000	.722	.250	.686	.946	.500	.000	.964	.948
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 12:00 PM																									
12:00 PM	3	70	4	25	0	102	2	5	304	73	1	385	0	1	5	6	0	12	1	9	280	1	0	291	790
12:15 PM	1	76	2	20	0	99	2	5	229	72	0	308	0	3	4	4	0	11	1	11	309	5	0	326	744
12:30 PM	0	53	1	21	0	75	5	7	275	68	0	355	0	3	1	6	0	10	0	17	283	4	0	304	744
12:45 PM	2	63	0	26	0	91	7	5	275	77	0	364	0	3	4	6	0	13	2	18	304	0	0	324	792
Total Volume	6	262	7	92	0	367	16	22	1083	290	1	1412	0	10	14	22	0	46	4	55	1176	10	0	1245	3070
% App. Total	1.6	71.4	1.9	25.1	0		1.1	1.6	76.7	20.5	0.1		0	21.7	30.4	47.8	0		0.3	4.4	94.5	0.8	0		
PHF	.500	.862	.438	.885	.000	.900	.571	.786	.891	.942	.250	.917	.000	.833	.700	.917	.000	.885	.500	.764	.951	.500	.000	.955	.969
Peak Hour Analysis From 02:00 PM to 11:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 04:30 PM																									
04:30 PM	1	184	7	49	0	241	2	8	498	58	0	566	0	3	4	5	0	12	3	26	348	3	0	380	1199
04:45 PM	2	90	3	33	0	128	2	7	607	70	0	686	0	2	1	3	0	6	1	21	423	3	1	449	1269
05:00 PM	0	150	5	48	0	203	1	7	517	83	0	608	0	4	5	6	0	15	0	18	408	1	0	427	1253
05:15 PM	0	88	7	39	0	134	1	8	572	85	0	666	0	2	5	3	0	10	2	15	365	3	0	385	1195
Total Volume	3	512	22	169	0	706	6	30	2194	296	0	2526	0	11	15	17	0	43	6	80	1544	10	1	1641	4916
% App. Total	0.4	72.5	3.1	23.9	0		0.2	1.2	86.9	11.7	0		0	25.6	34.9	39.5	0		0.4	4.9	94.1	0.6	0.1		
PHF	.375	.696	.786	.862	.000	.732	.750	.938	.904	.871	.000	.921	.000	.688	.750	.708	.000	.717	.500	.769	.913	.833	.250	.914	.968