



# Traffic Data Inc

PO Box 16296  
St. Louis Park, MN 55416

File Name : 2 - Hwy 10-169 & Alpine Dr, 4-24-13, 6am-7pm

Site Code : 105132-2

Start Date : 4/24/2013

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TH 10 & Alpine Dr  
Ramsey, MN

Groups Printed- Cars + - Trucks

Start Time	Alpine Dr From North						Hwy 10-169 From East						Alpine Dr From South						Hwy 10-169 From West						Int. Total	
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total		
06:00 AM	8	0	0	0	0	8	0	105	0	0	0	105	0	0	0	0	0	0	0	0	352	4	0	0	356	469
06:15 AM	8	0	4	0	0	12	1	138	0	0	0	139	0	0	0	0	0	0	0	0	526	5	0	0	531	682
06:30 AM	6	0	5	0	0	11	1	193	0	0	0	194	0	0	0	0	0	0	0	483	7	0	0	490	695	
06:45 AM	13	0	4	0	0	17	2	161	0	1	0	164	0	0	0	0	0	0	0	484	2	0	0	486	667	
Total	35	0	13	0	0	48	4	597	0	1	0	602	0	0	0	0	0	0	0	1845	18	0	0	1863	2513	
07:00 AM	18	0	10	0	0	28	2	174	0	0	0	176	0	0	0	0	0	0	0	424	6	0	0	430	634	
07:15 AM	11	0	9	0	0	20	4	218	0	0	0	222	0	0	0	0	0	0	0	499	10	0	0	509	751	
07:30 AM	6	0	6	0	0	12	3	221	0	0	0	224	0	0	0	0	0	0	0	490	7	0	0	497	733	
07:45 AM	19	0	8	0	0	27	4	234	0	3	0	241	0	0	0	0	0	0	0	408	7	0	0	415	683	
Total	54	0	33	0	0	87	13	847	0	3	0	863	0	0	0	0	0	0	0	1821	30	0	0	1851	2801	
08:00 AM	11	0	11	0	0	22	4	187	0	0	0	191	0	0	0	0	0	0	0	371	5	0	0	376	589	
08:15 AM	8	0	3	0	0	11	2	187	0	0	0	189	0	0	0	0	0	0	0	299	5	0	0	304	504	
08:30 AM	4	0	3	0	0	7	8	172	0	0	0	180	0	0	0	0	0	0	0	307	4	1	0	312	499	
08:45 AM	8	0	9	0	0	17	1	182	0	0	0	183	0	0	0	0	0	0	0	280	7	2	0	289	489	
Total	31	0	26	0	0	57	15	728	0	0	0	743	0	0	0	0	0	0	0	1257	21	3	0	1281	2081	
09:00 AM	1	0	9	0	0	10	2	167	0	0	0	169	0	0	0	0	0	0	0	235	7	3	0	245	424	
09:15 AM	8	0	8	0	0	16	5	165	0	0	0	170	0	0	0	0	0	0	0	254	3	1	0	258	444	
09:30 AM	7	0	8	0	0	15	1	188	0	0	0	189	0	0	0	0	0	0	0	235	3	0	0	238	442	
09:45 AM	3	0	8	0	0	11	4	184	0	0	0	188	0	0	0	0	0	0	0	208	1	2	0	211	410	
Total	19	0	33	0	0	52	12	704	0	0	0	716	0	0	0	0	0	0	0	932	14	6	0	952	1720	
10:00 AM	4	0	1	0	0	5	2	186	0	0	0	188	0	0	0	0	0	0	0	213	2	0	0	215	408	
10:15 AM	4	0	6	0	0	10	2	179	0	0	0	181	0	0	0	0	0	0	0	230	4	0	0	234	425	
10:30 AM	7	0	7	0	0	14	5	189	0	0	0	194	0	0	0	0	0	0	0	254	5	1	0	260	468	
10:45 AM	1	0	3	0	0	4	5	175	0	0	0	180	0	0	0	0	0	0	0	207	5	0	0	212	396	
Total	16	0	17	0	0	33	14	729	0	0	0	743	0	0	0	0	0	0	0	904	16	1	0	921	1697	
11:00 AM	5	0	2	0	0	7	8	154	0	0	0	162	0	0	0	0	0	0	0	200	6	0	0	206	375	
11:15 AM	6	0	3	0	0	9	5	197	0	1	0	203	0	0	0	0	0	0	0	194	3	2	0	199	411	
11:30 AM	4	0	7	0	0	11	2	174	0	2	0	178	0	0	0	0	0	0	0	203	4	1	0	208	397	
11:45 AM	3	0	3	0	0	6	2	182	0	0	0	184	0	0	0	0	0	0	0	223	7	3	0	233	423	
Total	18	0	15	0	0	33	17	707	0	3	0	727	0	0	0	0	0	0	0	820	20	6	0	846	1606	
12:00 PM	2	0	4	0	0	6	3	185	0	0	0	188	0	0	0	0	0	0	0	192	6	0	0	198	392	
12:15 PM	9	0	2	0	0	11	5	258	0	0	0	263	0	0	0	0	0	0	0	186	4	1	0	191	465	
12:30 PM	6	0	4	0	0	10	5	200	0	0	0	205	0	0	0	0	0	0	0	230	5	0	0	235	450	
12:45 PM	5	0	1	0	0	6	5	191	0	0	0	196	0	0	0	0	0	0	0	195	3	0	0	198	400	
Total	22	0	11	0	0	33	18	834	0	0	0	852	0	0	0	0	0	0	0	803	18	1	0	822	1707	
01:00 PM	8	0	3	0	0	11	5	214	0	0	0	219	0	0	0	0	0	0	0	214	7	0	0	221	451	



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Groups Printed- Cars + - Trucks

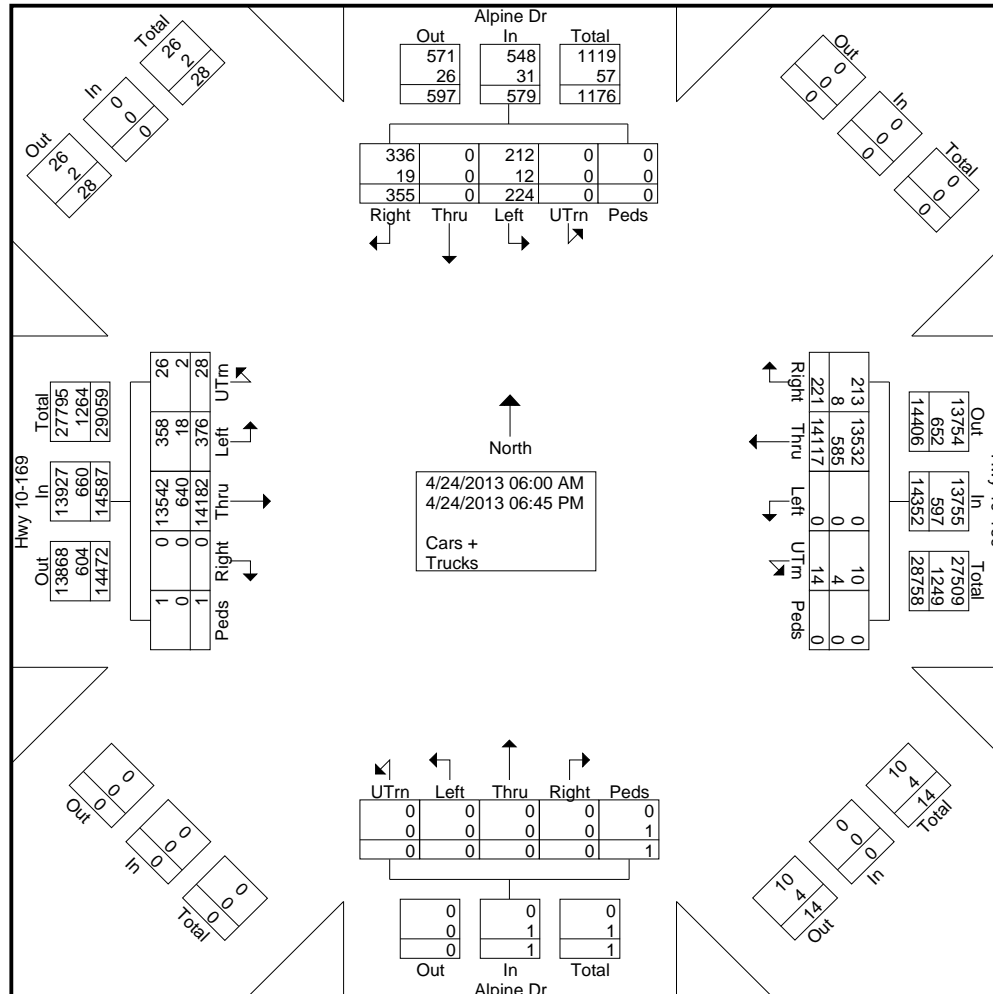
Start Time	Alpine Dr From North						Hwy 10-169 From East						Alpine Dr From South						Hwy 10-169 From West						Int. Total	
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total		
01:15 PM	10	0	7	0	0	17	2	252	0	0	0	254	0	0	0	0	0	0	0	0	204	8	0	0	212	483
01:30 PM	8	0	6	0	0	14	3	242	0	0	0	245	0	0	0	0	0	0	0	0	225	1	0	0	226	485
01:45 PM	9	0	3	0	0	12	6	234	0	0	0	240	0	0	0	0	0	0	0	0	205	5	1	0	211	463
Total	35	0	19	0	0	54	16	942	0	0	0	958	0	0	0	0	0	0	0	0	848	21	1	0	870	1882
02:00 PM	5	0	2	0	0	7	6	284	0	1	0	291	0	0	0	0	0	0	0	0	222	10	2	0	234	532
02:15 PM	2	0	3	0	0	5	5	298	0	0	0	303	0	0	0	0	0	0	0	0	245	6	2	0	253	561
02:30 PM	5	0	3	0	0	8	10	311	0	0	0	321	0	0	0	0	0	0	0	0	264	9	0	0	273	602
02:45 PM	8	0	1	0	0	9	4	327	0	0	0	331	0	0	0	0	0	0	0	0	262	4	2	0	268	608
Total	20	0	9	0	0	29	25	1220	0	1	0	1246	0	0	0	0	0	0	0	0	993	29	6	0	1028	2303
03:00 PM	5	0	0	0	0	5	2	414	0	1	0	417	0	0	0	0	0	0	0	0	243	9	2	0	254	676
03:15 PM	8	0	2	0	0	10	7	411	0	3	0	421	0	0	0	0	1	1	0	0	251	13	2	0	266	698
03:30 PM	10	0	2	0	0	12	4	449	0	0	0	453	0	0	0	0	0	0	0	0	248	10	0	1	259	724
03:45 PM	8	0	2	0	0	10	2	497	0	1	0	500	0	0	0	0	0	0	0	0	276	15	0	0	291	801
Total	31	0	6	0	0	37	15	1771	0	5	0	1791	0	0	0	0	1	1	0	0	1018	47	4	1	1070	2899
04:00 PM	4	0	8	0	0	12	5	496	0	0	0	501	0	0	0	0	0	0	0	0	273	16	0	0	289	802
04:15 PM	9	0	6	0	0	15	8	506	0	1	0	515	0	0	0	0	0	0	0	0	277	18	0	0	295	825
04:30 PM	10	0	5	0	0	15	3	473	0	0	0	476	0	0	0	0	0	0	0	0	360	13	0	0	373	864
04:45 PM	4	0	3	0	0	7	9	513	0	0	0	522	0	0	0	0	0	0	0	0	267	13	0	0	280	809
Total	27	0	22	0	0	49	25	1988	0	1	0	2014	0	0	0	0	0	0	0	0	1177	60	0	0	1237	3300
05:00 PM	7	0	2	0	0	9	4	552	0	0	0	556	0	0	0	0	0	0	0	0	268	9	0	0	277	842
05:15 PM	6	0	1	0	0	7	5	437	0	0	0	442	0	0	0	0	0	0	0	0	284	19	0	0	303	752
05:30 PM	4	0	3	0	0	7	5	404	0	0	0	409	0	0	0	0	0	0	0	0	248	11	0	0	259	675
05:45 PM	6	0	4	0	0	10	7	384	0	0	0	391	0	0	0	0	0	0	0	0	201	17	0	0	218	619
Total	23	0	10	0	0	33	21	1777	0	0	0	1798	0	0	0	0	0	0	0	0	1001	56	0	0	1057	2888
06:00 PM	6	0	3	0	0	9	5	358	0	0	0	363	0	0	0	0	0	0	0	0	179	11	0	0	190	562
06:15 PM	3	0	4	0	0	7	11	348	0	0	0	359	0	0	0	0	0	0	0	0	212	5	0	0	217	583
06:30 PM	7	0	1	0	0	8	6	322	0	0	0	328	0	0	0	0	0	0	0	0	226	7	0	0	233	569
06:45 PM	8	0	2	0	0	10	4	245	0	0	0	249	0	0	0	0	0	0	0	0	146	3	0	0	149	408
Total	24	0	10	0	0	34	26	1273	0	0	0	1299	0	0	0	0	0	0	0	0	763	26	0	0	789	2122
Grand Total	355	0	224	0	0	579	221	14117	0	14	0	14352	0	0	0	0	1	1	0	0	14182	376	28	1	14587	29519
Apprch %	61.3	0	38.7	0	0		1.5	98.4	0	0.1	0		0	0	0	0	100		0	0	97.2	2.6	0.2	0		
Total %	1.2	0	0.8	0	0	2	0.7	47.8	0	0	0	48.6	0	0	0	0	0	0	0	0	48	1.3	0.1	0	49.4	
Cars +	336	0	212	0	0	548	213	13532	0	10	0	13755	0	0	0	0	0	0	0	0	13542	358	26	1	13927	28230
% Cars +	94.6	0	94.6	0	0	94.6	96.4	95.9	0	71.4	0	95.8	0	0	0	0	0	0	0	0	95.5	95.2	92.9	100	95.5	95.6
Trucks	19	0	12	0	0	31	8	585	0	4	0	597	0	0	0	0	1	1	0	0	640	18	2	0	660	1289
% Trucks	5.4	0	5.4	0	0	5.4	3.6	4.1	0	28.6	0	4.2	0	0	0	0	100	100	0	0	4.5	4.8	7.1	0	4.5	4.4



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Start Time	Alpine Dr From North						Hwy 10-169 From East						Alpine Dr From South						Hwy 10-169 From West						Int. Total	
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total		
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 07:00 AM																										
07:00 AM	18	0	10	0	0	28	2	174	0	0	0	176	0	0	0	0	0	0	0	424	6	0	0	430	634	
07:15 AM	11	0	9	0	0	20	4	218	0	0	0	222	0	0	0	0	0	0	0	499	10	0	0	509	751	
07:30 AM	6	0	6	0	0	12	3	221	0	0	0	224	0	0	0	0	0	0	0	490	7	0	0	497	733	
07:45 AM	19	0	8	0	0	27	4	234	0	3	0	241	0	0	0	0	0	0	0	408	7	0	0	415	683	
Total Volume	54	0	33	0	0	87	13	847	0	3	0	863	0	0	0	0	0	0	0	1821	30	0	0	1851	2801	
% App. Total	62.1	0	37.9	0	0		1.5	98.1	0	0.3	0		0	0	0	0	0	0		98.4	1.6	0	0			
PHF	.711	.000	.825	.000	.000	.777	.813	.905	.000	.250	.000	.895	.000	.000	.000	.000	.000	.000		.000	.912	.750	.000	.000	.909	.932
Peak Hour Analysis From 12:00 PM to 06:45 PM - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 04:15 PM																										
04:15 PM	9	0	6	0	0	15	8	506	0	1	0	515	0	0	0	0	0	0	0	277	18	0	0	295	825	
04:30 PM	10	0	5	0	0	15	3	473	0	0	0	476	0	0	0	0	0	0	0	360	13	0	0	373	864	
04:45 PM	4	0	3	0	0	7	9	513	0	0	0	522	0	0	0	0	0	0	0	267	13	0	0	280	809	
05:00 PM	7	0	2	0	0	9	4	552	0	0	0	556	0	0	0	0	0	0	0	268	9	0	0	277	842	
Total Volume	30	0	16	0	0	46	24	2044	0	1	0	2069	0	0	0	0	0	0	0	1172	53	0	0	1225	3340	
% App. Total	65.2	0	34.8	0	0		1.2	98.8	0	0	0		0	0	0	0	0	0		95.7	4.3	0	0			
PHF	.750	.000	.667	.000	.000	.767	.667	.926	.000	.250	.000	.930	.000	.000	.000	.000	.000	.000		.000	.814	.736	.000	.000	.821	.966