

Alliant Engineering Inc Minneapolis, MN 55415

TH-61 at 2nd Street WHITE BEAR LAKE
 Ref.Pt.: 147.075
 data by: Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 16 - TH 61 & 2nd St
 Site Code : 16
 Start Date : 11/7/2012
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound					2nd St Westbound					TH-61 Northbound					2nd St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
06:00	0	1	144	1	0	0	1	0	1	0	0	1	49	0	0	0	0	0	4	0	202
06:15	0	1	216	0	0	0	2	1	0	0	0	1	74	2	0	0	0	0	7	0	304
06:30	0	1	306	1	0	0	1	0	0	0	0	1	106	0	0	0	0	0	17	0	433
06:45	0	0	402	3	0	0	2	0	0	0	0	8	128	3	0	0	0	0	21	0	567
Total	0	3	1068	5	0	0	6	1	1	0	0	11	357	5	0	0	0	0	49	0	1506
07:00	0	0	412	8	0	0	2	0	0	0	0	11	151	1	0	0	2	1	20	0	608
07:15	0	0	451	10	0	0	7	2	1	0	0	25	173	4	0	0	4	2	36	0	715
07:30	0	1	482	5	0	0	3	3	0	0	0	9	158	3	0	0	1	0	37	0	702
07:45	0	0	308	9	0	0	3	2	1	0	0	18	163	11	0	0	2	3	22	0	542
Total	0	1	1653	32	0	0	15	7	2	0	0	63	645	19	0	0	9	6	115	0	2567
08:00	0	0	277	18	0	0	3	3	1	0	0	13	126	6	0	0	1	1	30	0	479
08:15	0	0	265	7	0	0	5	2	1	0	0	9	151	8	0	0	8	1	22	0	479
08:30	0	0	230	7	1	0	10	2	1	0	0	6	148	11	0	0	1	5	14	0	436
08:45	0	1	234	7	0	0	8	3	1	0	0	10	160	13	0	0	2	1	15	0	455
Total	0	1	1006	39	1	0	26	10	4	0	0	38	585	38	0	0	12	8	81	0	1849
09:00	0	1	227	4	0	0	5	2	1	0	0	8	171	12	0	0	1	1	18	0	451
09:15	0	2	208	7	0	0	10	2	0	0	0	12	194	9	0	0	0	2	20	0	466
*****BREAK*****																					
Total	0	3	435	11	0	0	15	4	1	0	0	20	365	21	0	0	1	3	38	0	917
*****BREAK*****																					
10:30	0	2	155	9	1	0	10	4	1	0	0	12	190	20	0	0	2	4	21	0	431
10:45	0	1	150	11	0	0	11	0	0	0	0	16	187	20	0	0	6	2	19	0	423
Total	0	3	305	20	1	0	21	4	1	0	0	28	377	40	0	0	8	6	40	0	854
11:00	0	1	157	7	0	0	16	3	0	0	0	12	198	17	0	0	2	2	21	0	436
11:15	0	1	171	8	0	0	17	8	3	0	0	16	193	16	0	0	6	5	25	0	469
11:30	0	2	194	7	0	0	21	3	2	0	0	21	244	27	0	0	3	3	21	0	548
11:45	0	4	169	6	0	0	23	2	3	0	0	16	238	30	0	0	5	3	21	0	520
Total	0	8	691	28	0	0	77	16	8	0	0	65	873	90	0	0	16	13	88	0	1973
12:00	0	4	183	7	0	0	17	11	2	0	0	20	236	25	0	0	3	1	10	0	519
12:15	0	7	166	4	0	0	20	8	4	0	0	15	236	24	0	0	1	3	14	0	502
12:30	0	0	206	4	0	0	23	5	0	0	0	13	222	27	0	0	5	6	23	0	534
12:45	0	2	178	4	0	0	16	6	3	0	0	18	245	28	0	0	4	1	18	0	523
Total	0	13	733	19	0	0	76	30	9	0	0	66	939	104	0	0	13	11	65	0	2078
13:00	0	0	172	7	0	0	14	4	5	0	0	19	214	27	0	0	7	10	17	0	496
13:15	0	2	177	7	0	0	21	10	2	0	0	17	203	22	0	0	4	2	24	0	491
*****BREAK*****																					
Total	0	2	349	14	0	0	35	14	7	0	0	36	417	49	0	0	11	12	41	0	987
*****BREAK*****																					
14:30	0	1	213	2	0	0	9	7	2	0	0	11	249	22	0	0	4	2	22	0	544
14:45	0	0	181	2	0	0	16	6	2	0	0	30	344	29	0	0	4	2	22	0	638
Total	0	1	394	4	0	0	25	13	4	0	0	41	593	51	0	0	8	4	44	0	1182
15:00	0	0	193	5	0	0	19	7	0	0	0	30	310	36	1	0	3	5	25	0	634
15:15	0	0	191	5	0	0	15	4	6	0	0	24	336	28	0	0	6	2	17	0	634
15:30	0	3	191	8	0	0	18	12	2	0	0	31	342	23	0	0	7	1	28	0	666
15:45	0	3	206	9	0	0	18	8	4	0	0	31	385	29	0	0	4	1	37	0	735
Total	0	6	781	27	0	0	70	31	12	0	0	116	1373	116	1	0	20	9	107	0	2669
16:00	0	2	193	10	0	0	16	2	2	0	0	20	351	20	2	0	2	6	21	0	647

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Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound					2nd St Westbound					TH-61 Northbound					2nd St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
16:15	0	5	208	6	0	0	20	1	10	0	0	19	395	35	0	0	12	6	25	0	742
16:30	0	5	202	8	0	0	13	6	3	0	0	19	443	34	1	0	6	3	34	0	777
16:45	0	4	263	7	0	0	13	12	3	0	0	41	451	36	3	0	7	4	22	0	866
Total	0	16	866	31	0	0	62	21	18	0	0	99	1640	125	6	0	27	19	102	0	3032
17:00	0	1	218	7	0	0	25	8	3	0	0	29	454	26	2	0	10	6	23	0	812
17:15	0	4	227	7	0	0	18	8	9	0	0	31	470	32	0	0	7	6	28	0	847
17:30	0	2	225	7	0	0	19	7	7	0	0	28	444	26	0	0	20	6	30	0	821
17:45	0	3	158	5	0	0	17	4	6	0	0	31	441	33	0	0	5	4	14	0	721
Total	0	10	828	26	0	0	79	27	25	0	0	119	1809	117	2	0	42	22	95	0	3201
18:00	0	3	196	8	0	0	19	3	2	0	0	30	441	30	0	0	5	9	25	0	771
18:15	0	4	199	17	0	0	20	6	4	0	0	36	370	31	2	0	7	4	26	0	726
Grand Total	0	74	9504	281	2	0	546	187	98	0	0	768	10784	836	11	0	179	126	916	0	24312
Apprch %	0	0.8	96.4	2.8	0	0	65.7	22.5	11.8	0	0	6.2	87	6.7	0.1	0	14.7	10.3	75	0	
Total %	0	0.3	39.1	1.2	0	0	2.2	0.8	0.4	0	0	3.2	44.4	3.4	0	0	0.7	0.5	3.8	0	
Cars	0	73	9210	276	2	0	539	181	96	0	0	759	10495	823	11	0	175	126	904	0	23670
% Cars	0	98.6	96.9	98.2	100	0	98.7	96.8	98	0	0	98.8	97.3	98.4	100	0	97.8	100	98.7	0	97.4
Trucks	0	1	294	5	0	0	7	6	2	0	0	9	289	13	0	0	4	0	12	0	642
% Trucks	0	1.4	3.1	1.8	0	0	1.3	3.2	2	0	0	1.2	2.7	1.6	0	0	2.2	0	1.3	0	2.6

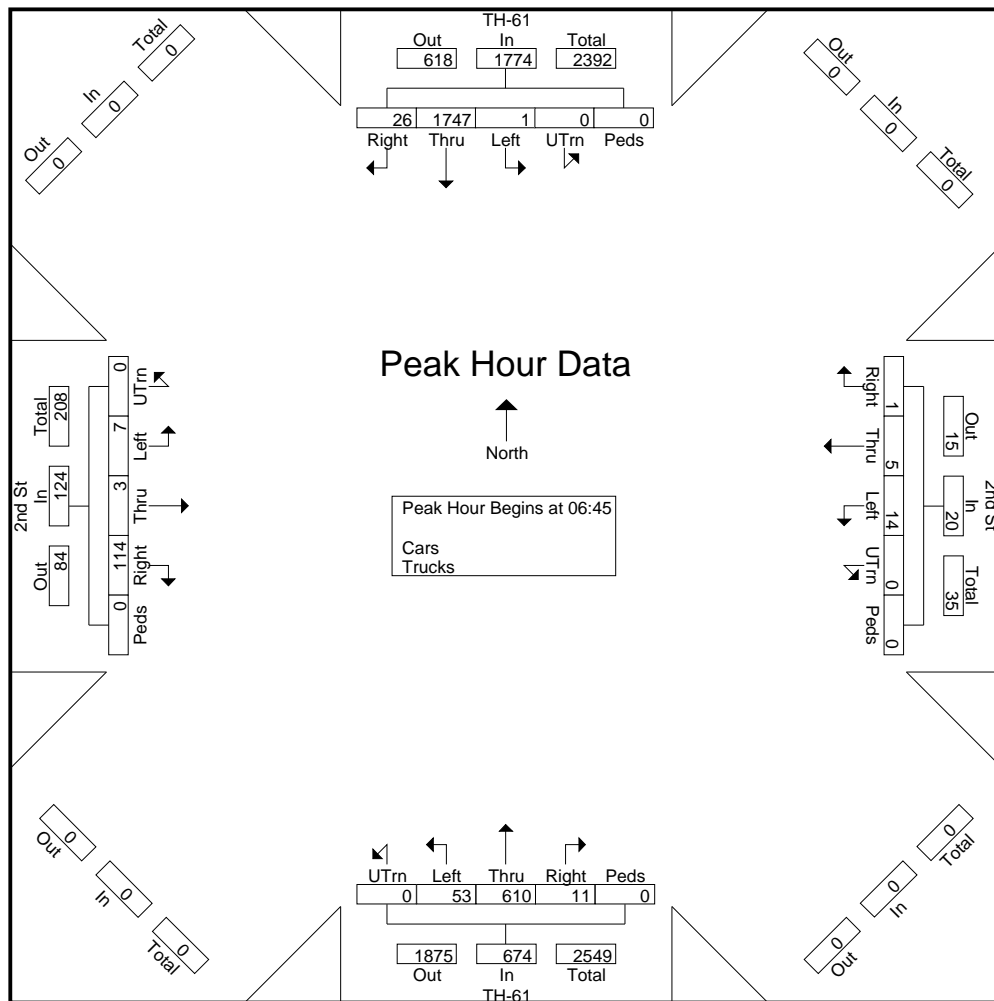
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Start Time	TH-61 Southbound						2nd St Westbound						TH-61 Northbound						2nd St Eastbound						Int. Total		
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
06:45	0	0	40	2	3	0	405	0	2	0	0	0	2	0	8	12	8	3	0	139	0	0	0	21	0	21	567
07:00	0	0	41	2	8	0	420	0	2	0	0	0	2	0	11	15	1	0	163	0	2	1	20	0	23	608	
07:15	0	0	451	10	0	461	0	7	2	1	0	10	0	25	173	4	0	202	0	4	2	36	0	42	715		
07:30	0	1	482	5	0	488	0	3	3	0	0	6	0	9	158	3	0	170	0	1	0	37	0	38	702		
Total Volume	0	1	1747	26	0	1774	0	14	5	1	0	20	0	53	610	11	0	674	0	7	3	114	0	124	2592		
% App. Total	0	0.1	98.5	1.5	0		0	70	25	5	0		0	7.9	90.5	1.6	0		0	5.6	2.4	91.9	0				
PHF	.000	.250	.906	.650	.000	.909	.000	.500	.417	.250	.000	.500	.000	.530	.882	.688	.000	.834	.000	.438	.375	.770	.000	.738	.906		

Peak Hour Analysis From 06:00 to 09:15 - Peak 1 of 1
 Peak Hour for Entire Intersection Begins at 06:45



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Start Time	TH-61 Southbound					2nd St Westbound					TH-61 Northbound					2nd St 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 14:30 to 18:15 - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 16:45																									
16:45	0	4	263	7	0	274	0	13	12	3	0	28	0	41	451	36	3	531	0	7	4	22	0	33	866
17:00	0	1	218	7	0	226	0	25	8	3	0	36	0	29	454	26	2	511	0	10	6	23	0	39	812
17:15	0	4	227	7	0	238	0	18	8	9	0	35	0	31	470	32	0	533	0	7	6	28	0	41	847
17:30	0	2	225	7	0	234	0	19	7	7	0	33	0	28	444	26	0	498	0	20	6	30	0	56	821
Total Volume	0	11	933	28	0	972	0	75	35	22	0	132	0	129	1819	120	5	2073	0	44	22	103	0	169	3346
% App. Total	0	1.1	96	2.9	0		0	56.8	26.5	16.7	0		0	6.2	87.7	5.8	0.2		0	26	13	60.9	0		
PHF	.000	.688	.887	1.000	.000	.887	.000	.750	.729	.611	.000	.917	.000	.787	.968	.833	.417	.972	.000	.550	.917	.858	.000	.754	.966

