

Alliant Engineering Inc Minneapolis, MN 55415

TH-61 at 7th Street WHITE BEAR LAKE
Ref.Pt.: 147.471
data by : Alliant Engineering Inc
TURN MOVEMENT COUNT

File Name : 18 - TH 61 & 7th St
Site Code : 18
Start Date : 11/6/2012
Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound					7th St Westbound					TH-61 Northbound					7th 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	140	0	0	0	2	0	0	0	0	1	42	0	0	0	2	0	5	0	193
06:15	0	4	216	0	0	0	0	0	1	0	1	0	71	0	0	0	1	1	12	0	307
06:30	0	1	289	0	0	0	2	0	1	0	0	4	96	0	0	0	1	1	16	0	411
06:45	0	4	310	2	0	0	3	1	0	0	0	5	89	1	0	0	1	2	11	1	430
Total	0	10	955	2	0	0	7	1	2	0	1	10	298	1	0	0	5	4	44	1	1341
07:00	0	3	328	4	0	0	4	3	3	0	0	27	106	0	1	0	8	1	17	0	505
07:15	0	4	435	4	0	0	0	1	3	0	1	18	138	1	0	0	6	5	42	0	658
07:30	0	6	427	5	0	0	6	3	1	0	0	5	124	4	2	0	10	3	23	0	619
07:45	0	2	360	9	1	0	9	5	3	0	0	9	136	8	0	0	3	5	20	0	570
Total	0	15	1550	22	1	0	19	12	10	0	1	59	504	13	3	0	27	14	102	0	2352
08:00	0	2	312	9	0	0	6	1	0	0	0	7	144	3	1	0	9	1	12	0	507
08:15	0	3	242	10	0	0	2	0	0	0	0	3	111	0	0	0	3	4	7	0	385
08:30	0	6	245	5	0	0	6	1	1	0	0	8	134	8	0	0	4	2	4	0	424
08:45	1	3	236	10	0	0	1	0	3	0	1	5	159	7	0	0	5	4	9	0	444
Total	1	14	1035	34	0	0	15	2	4	0	1	23	548	18	1	0	21	11	32	0	1760
09:00	0	6	218	6	0	0	3	0	2	0	0	4	135	2	0	0	4	6	9	0	395
09:15	0	4	185	9	0	0	4	1	0	0	1	8	132	6	0	0	4	6	14	0	374
***** BREAK *****																					
Total	0	10	403	15	0	0	7	1	2	0	1	12	267	8	0	0	8	12	23	0	769
***** BREAK *****																					
10:30	0	7	157	1	0	0	2	1	3	0	1	9	129	4	1	0	4	1	15	0	335
10:45	0	2	164	0	0	0	5	0	5	0	2	4	153	4	0	0	2	3	12	0	356
Total	0	9	321	1	0	0	7	1	8	0	3	13	282	8	1	0	6	4	27	0	691
11:00	0	3	127	3	0	0	6	4	2	0	1	4	164	9	0	0	10	9	11	0	353
11:15	0	1	150	1	1	0	5	1	1	0	1	10	183	8	0	0	2	4	11	0	379
11:30	0	10	143	6	0	0	5	4	3	0	0	6	176	11	0	0	6	2	11	0	383
11:45	0	8	172	3	0	0	3	2	1	1	2	7	185	14	0	0	4	4	13	0	419
Total	0	22	592	13	1	0	19	11	7	1	4	27	708	42	0	0	22	19	46	0	1534
12:00	1	4	162	7	0	0	4	3	0	0	2	10	196	5	0	0	6	2	10	0	412
12:15	0	10	147	6	0	0	8	3	3	0	1	3	149	2	1	0	8	2	16	0	359
12:30	0	2	130	2	0	0	7	0	3	0	1	12	209	7	0	0	10	3	12	0	398
12:45	0	4	171	5	0	0	5	1	3	0	3	8	188	11	0	0	6	3	11	0	419
Total	1	20	610	20	0	0	24	7	9	0	7	33	742	25	1	0	30	10	49	0	1588
13:00	0	8	115	2	0	0	8	1	3	0	2	12	155	7	1	0	8	1	10	0	333
13:15	0	6	152	5	0	0	3	3	1	0	0	9	219	4	1	0	6	2	17	0	428
***** BREAK *****																					
Total	0	14	267	7	0	0	11	4	4	0	2	21	374	11	2	0	14	3	27	0	761
***** BREAK *****																					
14:30	0	5	158	3	0	0	1	0	2	1	1	11	219	8	1	0	8	3	12	0	433
14:45	0	4	153	3	0	0	4	2	3	0	2	10	290	5	0	0	5	1	8	0	490
Total	0	9	311	6	0	0	5	2	5	1	3	21	509	13	1	0	13	4	20	0	923
15:00	0	7	163	0	0	0	2	2	3	0	1	12	302	7	0	0	27	3	12	0	541
15:15	0	7	178	4	0	0	6	1	0	0	1	10	356	3	0	0	10	2	16	0	594
15:30	0	5	169	4	0	0	0	3	4	0	3	17	358	9	0	0	8	0	9	0	589
15:45	0	7	164	2	2	0	9	1	4	0	0	19	310	14	0	0	13	5	4	0	554
Total	0	26	674	10	2	0	17	7	11	0	5	58	1326	33	0	0	58	10	41	0	2278
16:00	0	5	142	0	0	0	4	2	6	0	2	15	365	4	0	0	13	3	16	0	577

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Groups Printed- Cars - Trucks

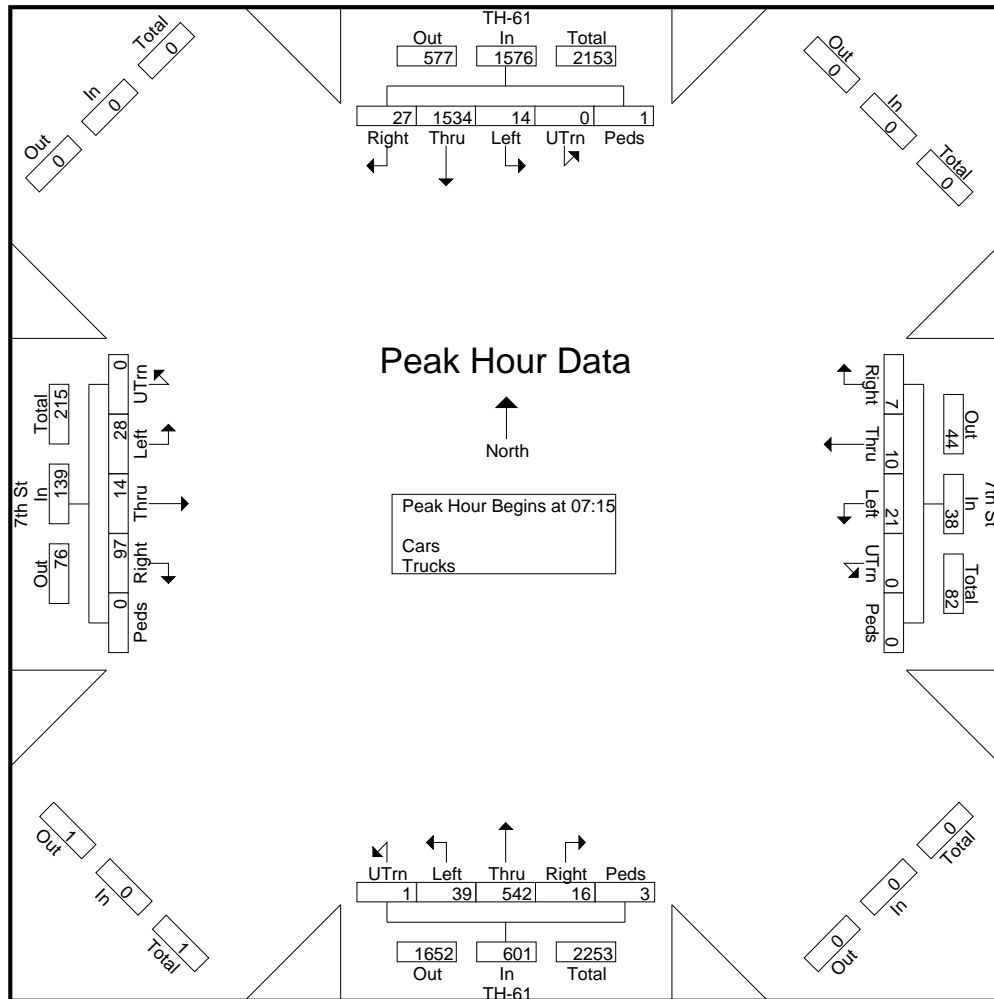
Start Time	TH-61 Southbound					7th St Westbound					TH-61 Northbound					7th St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
16:15	0	2	152	1	0	0	6	2	4	0	2	15	372	4	2	0	6	8	12	0	588
16:30	0	3	192	1	0	0	5	3	2	0	1	7	379	1	1	0	13	6	15	0	629
16:45	0	1	176	4	0	0	9	4	1	0	1	18	372	3	0	0	8	1	19	0	617
Total	0	11	662	6	0	0	24	11	13	0	6	55	1488	12	3	0	40	18	62	0	2411
17:00	0	3	170	2	0	0	3	2	4	0	0	8	407	7	0	0	10	6	25	0	647
17:15	0	4	171	5	0	0	6	4	3	0	1	19	410	8	0	0	12	5	10	0	658
17:30	0	3	164	2	1	0	6	4	5	0	2	11	349	4	0	0	8	4	12	0	575
17:45	0	4	158	3	1	0	4	3	3	0	1	6	301	7	0	0	12	3	12	0	518
Total	0	14	663	12	2	0	19	13	15	0	4	44	1467	26	0	0	42	18	59	0	2398
18:00	0	5	145	3	0	0	6	3	3	0	1	4	308	2	0	0	7	3	13	0	503
18:15	0	6	124	1	1	0	2	0	1	0	0	3	266	10	0	0	3	1	6	0	424
Grand Total	2	185	8312	152	7	0	182	75	94	2	39	383	9087	222	12	0	296	131	551	1	19733
Apprch %	0	2.1	96	1.8	0.1	0	51.6	21.2	26.6	0.6	0.4	3.9	93.3	2.3	0.1	0	30.2	13.4	56.3	0.1	
Total %	0	0.9	42.1	0.8	0	0	0.9	0.4	0.5	0	0.2	1.9	46	1.1	0.1	0	1.5	0.7	2.8	0	
Cars	2	184	8070	148	6	0	173	74	86	0	38	364	8785	212	8	0	279	128	506	0	19063
% Cars	100	99.5	97.1	97.4	85.7	0	95.1	98.7	91.5	0	97.4	95	96.7	95.5	66.7	0	94.3	97.7	91.8	0	96.6
Trucks	0	1	242	4	1	0	9	1	8	2	1	19	302	10	4	0	17	3	45	1	670
% Trucks	0	0.5	2.9	2.6	14.3	0	4.9	1.3	8.5	100	2.6	5	3.3	4.5	33.3	0	5.7	2.3	8.2	100	3.4

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Start Time	TH-61 Southbound					7th St Westbound					TH-61 Northbound					7th 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
07:15	0	4	435	4	0	443	0	0	1	3	0	4	1	18	138	1	0	158	0	6	5	42	0	53	658
07:30	0	6	427	5	0	438	0	6	3	1	0	10	0	5	124	4	2	135	0	10	3	23	0	36	619
07:45	0	2	360	9	1	372	0	9	5	3	0	17	0	9	136	8	0	153	0	3	5	20	0	28	570
08:00	0	2	312	9	0	323	0	6	1	0	0	7	0	7	144	3	1	155	0	9	1	12	0	22	507
Total Volume	0	14	1534	27	1	1576	0	21	10	7	0	38	1	39	542	16	3	601	0	28	14	97	0	139	2354
% App. Total	0	0.9	97.3	1.7	0.1		0	55.3	26.3	18.4	0		0.2	6.5	90.2	2.7	0.5		0	20.1	10.1	69.8	0		
PHF	.000	.583	.882	.750	.250	.889	.000	.583	.500	.583	.000	.559	.250	.542	.941	.500	.375	.951	.000	.700	.700	.577	.000	.656	.894



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Page No : 4

Start Time	TH-61 Southbound						7th St Westbound						TH-61 Northbound						7th 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	
16:30	0	3	192	1	0	196	0	5	3	2	0	10	1	7	379	1	1	389	0	13	6	15	0	34	629
16:45	0	1	176	4	0	181	0	9	4	1	0	14	1	18	372	3	0	394	0	8	1	19	0	28	617
17:00	0	3	170	2	0	175	0	3	2	4	0	9	0	8	407	7	0	422	0	10	6	25	0	41	647
17:15	0	4	171	5	0	180	0	6	4	3	0	13	1	19	410	8	0	438	0	12	5	10	0	27	658
Total Volume	0	11	709	12	0	732	0	23	13	10	0	46	3	52	1568	19	1	1643	0	43	18	69	0	130	2551
% App. Total	0	1.5	96.9	1.6	0		0	50	28.3	21.7	0		0.2	3.2	95.4	1.2	0.1		0	33.1	13.8	53.1	0		
PHF	.000	.688	.923	.600	.000	.934	.000	.639	.813	.625	.000	.821	.750	.684	.956	.594	.250	.938	.000	.827	.750	.690	.000	.793	.969

Peak Hour Analysis From 14:30 to 18:15 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 16:30

