

Alliant Engineering Inc Minneapolis, MN 55415

TH-61 at Co.Rd. F White Bear Lake
Ref.Pt.: 145.622
datat by: Alliant Engineering Inc.
TURN MOVEMENT COUNT

File Name : 13 - TH 61 & CR F
Site Code : 13
Start Date : 11/7/2012
Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound					Co.Rd. F Westbound					TH-61 Northbound					Co.Rd. F 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	10	110	4	0	2	21	19	9	0	0	7	24	11	0	0	0	8	11	0	236
06:15	0	8	192	3	0	0	24	19	15	0	0	8	30	9	0	0	0	6	6	0	320
06:30	0	13	237	6	0	0	29	22	9	0	0	10	56	11	0	0	1	20	15	0	429
06:45	0	21	328	5	0	0	31	24	10	0	0	15	52	9	0	0	1	26	24	0	546
Total	0	52	867	18	0	2	105	84	43	0	0	40	162	40	0	0	2	60	56	0	1531
07:00	0	22	305	4	0	0	31	18	21	0	0	7	73	15	0	0	1	32	20	0	549
07:15	0	26	343	3	0	0	36	34	26	0	0	6	58	19	0	0	0	48	23	0	622
07:30	0	21	402	1	1	0	19	32	15	0	0	8	69	18	0	0	1	67	28	0	682
07:45	0	22	303	4	0	0	25	37	13	0	0	9	75	16	0	0	0	53	23	0	580
Total	0	91	1353	12	1	0	111	121	75	0	0	30	275	68	0	0	2	200	94	0	2433
08:00	0	21	252	5	0	0	25	25	17	0	0	14	52	10	0	0	1	31	21	0	474
08:15	0	16	225	6	0	0	27	22	21	0	0	15	77	17	0	0	0	27	16	0	469
08:30	0	22	148	2	0	0	26	29	14	0	0	15	74	18	0	0	1	30	12	0	391
08:45	0	27	133	7	0	0	24	27	20	0	0	7	78	18	0	0	0	30	5	0	376
Total	0	86	758	20	0	0	102	103	72	0	0	51	281	63	0	0	2	118	54	0	1710
09:00	0	26	148	1	0	0	17	28	24	0	0	8	76	14	0	0	0	45	16	0	403
09:15	0	20	175	4	0	0	25	16	21	0	0	9	79	11	0	0	1	17	12	0	390
**** BREAK ****	0	46	323	5	0	0	42	44	45	0	0	17	155	25	0	0	1	62	28	0	793
**** BREAK ****	0	11	139	3	0	0	17	23	15	0	0	7	103	19	0	0	0	23	6	0	366
10:30	0	27	123	1	0	0	12	19	15	0	0	11	120	15	0	0	0	26	12	0	381
10:45	0	38	262	4	0	0	29	42	30	0	0	18	223	34	0	0	0	49	18	0	747
Total	0	38	262	4	0	0	29	42	30	0	0	18	223	34	0	0	0	49	18	0	747
11:00	0	21	143	3	0	0	24	21	17	0	0	11	90	24	0	0	0	16	12	0	382
11:15	0	20	139	0	0	0	15	18	25	0	0	9	113	25	0	0	0	25	13	0	402
11:30	0	17	139	0	0	0	30	19	19	0	0	13	153	14	0	0	0	28	11	0	443
11:45	0	17	151	5	0	0	18	27	21	0	0	9	138	19	0	0	1	21	17	0	444
Total	0	75	572	8	0	0	87	85	82	0	0	42	494	82	0	0	1	90	53	0	1671
12:00	0	20	133	6	0	0	14	16	22	0	0	8	132	14	0	0	0	16	12	0	393
12:15	0	19	139	5	0	0	20	18	11	0	0	16	161	29	0	0	2	25	11	0	456
12:30	0	24	157	4	0	0	26	21	25	0	0	19	108	23	0	0	2	26	13	0	448
12:45	0	19	149	1	0	0	14	16	18	0	0	11	158	21	1	0	0	13	11	0	432
Total	0	82	578	16	0	0	74	71	76	0	0	54	559	87	1	0	4	80	47	0	1729
13:00	0	14	141	2	0	0	17	24	26	0	0	16	125	21	0	0	1	20	14	0	421
13:15	0	12	155	1	0	0	16	10	17	0	0	11	141	24	0	0	0	14	16	0	417
**** BREAK ****	0	26	296	3	0	0	33	34	43	0	0	27	266	45	0	0	1	34	30	0	838
**** BREAK ****	0	22	139	3	0	0	23	24	30	0	0	23	166	16	0	0	1	27	15	0	489
14:30	0	20	135	4	0	0	20	33	23	0	0	25	188	26	0	0	2	31	17	0	524
14:45	0	42	274	7	0	0	43	57	53	0	0	48	354	42	0	0	3	58	32	0	1013
Total	0	42	274	7	0	0	43	57	53	0	0	48	354	42	0	0	3	58	32	0	1013
15:00	0	20	168	2	0	0	21	40	28	0	0	12	187	25	0	0	2	34	11	0	550
15:15	0	28	134	1	0	0	19	39	35	0	0	21	192	33	0	0	1	48	20	0	571
15:30	0	20	144	1	0	0	16	45	41	0	0	29	227	21	0	0	1	41	15	0	601
15:45	0	27	163	5	0	0	20	38	33	0	0	33	222	35	0	0	2	32	21	0	631
Total	0	95	609	9	0	0	76	162	137	0	0	95	828	114	0	0	6	155	67	0	2353
16:00	0	12	164	1	0	0	17	34	29	0	0	21	241	28	0	0	1	41	16	0	605

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Groups Printed- Cars - Trucks

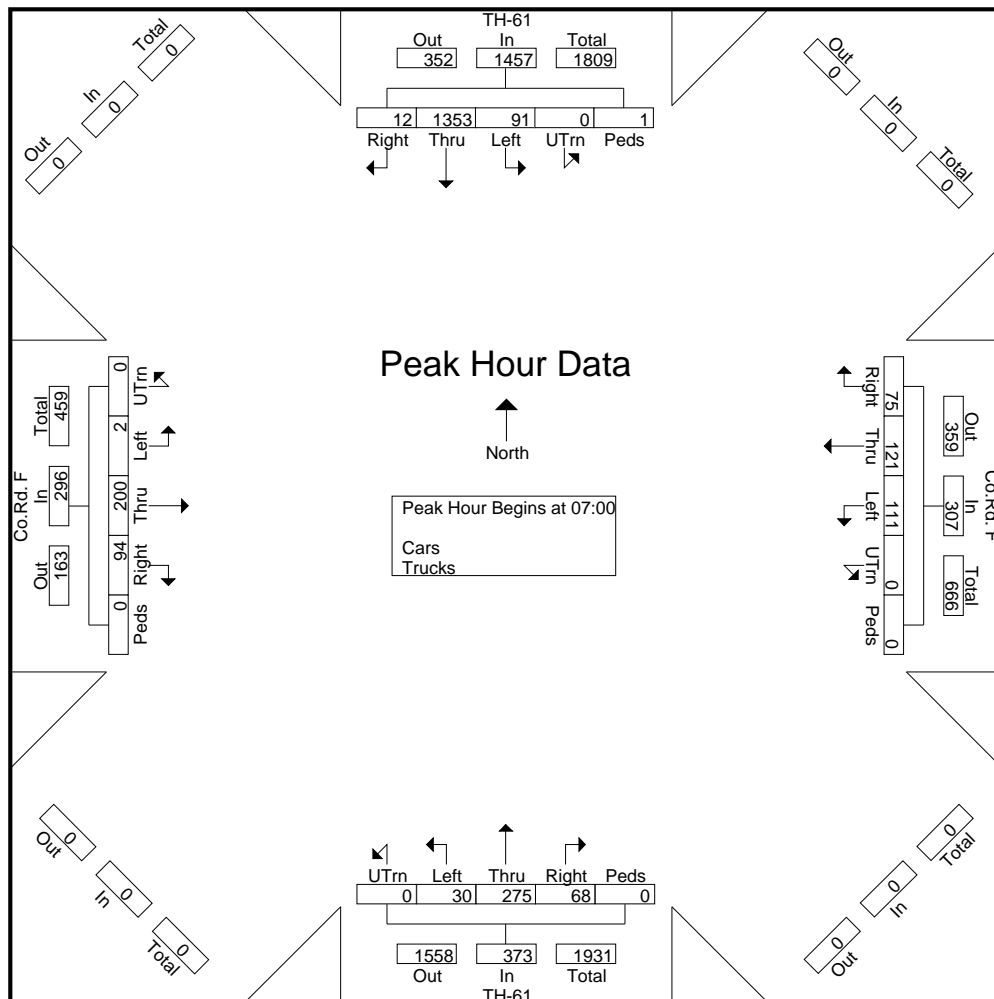
Start Time	TH-61 Southbound					Co.Rd. F Westbound					TH-61 Northbound					Co.Rd. F Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
16:15	0	17	157	0	0	0	8	36	30	0	0	37	227	36	0	0	1	44	13	0	606
16:30	0	26	162	4	0	0	16	41	35	0	0	29	261	31	0	0	1	53	24	0	683
16:45	0	29	189	2	0	0	15	37	27	0	0	24	285	47	0	0	4	60	21	0	740
Total	0	84	672	7	0	0	56	148	121	0	0	111	1014	142	0	0	7	198	74	0	2634
17:00	0	23	169	3	0	0	20	31	35	0	0	32	249	33	0	0	2	58	29	0	684
17:15	0	28	168	1	0	0	14	26	23	0	0	28	256	33	0	0	0	51	19	0	647
17:30	0	20	151	1	0	0	17	26	35	0	0	33	253	42	0	0	3	49	9	0	639
17:45	0	31	144	3	0	0	9	29	34	0	0	19	221	38	0	0	0	45	11	0	584
Total	0	102	632	8	0	0	60	112	127	0	0	112	979	146	0	0	5	203	68	0	2554
18:00	0	19	156	0	0	0	16	20	32	0	0	27	206	37	0	0	1	29	12	0	555
18:15	0	29	134	2	0	0	12	20	30	0	0	11	179	31	0	0	1	30	12	0	491
Grand Total	0	867	7486	119	1	2	846	1103	966	0	0	683	5975	956	1	0	36	1366	645	0	21052
Apprch %	0	10.2	88.4	1.4	0	0.1	29	37.8	33.1	0	0	9	78.5	12.6	0	0	1.8	66.7	31.5	0	
Total %	0	4.1	35.6	0.6	0	0	4	5.2	4.6	0	0	3.2	28.4	4.5	0	0	0.2	6.5	3.1	0	
Cars	0	841	7302	113	1	2	820	1072	933	0	0	653	5854	932	1	0	35	1332	606	0	20497
% Cars	0	97	97.5	95	100	100	96.9	97.2	96.6	0	0	95.6	98	97.5	100	0	97.2	97.5	94	0	97.4
Trucks	0	26	184	6	0	0	26	31	33	0	0	30	121	24	0	0	1	34	39	0	555
% Trucks	0	3	2.5	5	0	0	3.1	2.8	3.4	0	0	4.4	2	2.5	0	0	2.8	2.5	6	0	2.6

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Start Time	TH-61 Southbound					Co.Rd. F Westbound					TH-61 Northbound					Co.Rd. F 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
07:00	0	22	30	5	4	0	31	18	21	0	70	0	7	73	15	0	95	0	32	20	0	53	549		
07:15	0	26	34	3	0	372	0	36	34	26	0	96	0	6	58	19	0	83	0	0	48	23	0	71	622
07:30	0	21	40	1	1	425	0	19	32	15	0	66	0	8	69	18	0	95	0	1	67	28	0	96	682
07:45	0	22	30	3	0	329	0	25	37	13	0	75	0	9	75	16	0	100	0	0	53	23	0	76	580
Total Volume	0	91	1353	12	1	1457	0	111	121	75	0	307	0	30	275	68	0	373	0	2	200	94	0	296	2433
% App. Total	0	6.2	92.9	0.8	0.1		0	36.2	39.4	24.4	0		0	8	73.7	18.2	0		0	0.7	67.6	31.8	0		
PHF	.000	.875	.841	.750	.250	.857	.000	.771	.818	.721	.000	.799	.000	.833	.917	.895	.000	.933	.000	.500	.746	.839	.000	.771	.892



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Start Time	TH-61 Southbound						Co.Rd. F Westbound						TH-61 Northbound						Co.Rd. F 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 16:30																									
16:30	0	26	162	4	0	192	0	16	41	35	0	92	0	29	261	31	0	321	0	1	53	24	0	78	683
16:45	0	29	189	2	0	220	0	15	37	27	0	79	0	24	285	47	0	356	0	4	60	21	0	85	740
17:00	0	23	169	3	0	195	0	20	31	35	0	86	0	32	249	33	0	314	0	2	58	29	0	89	684
17:15	0	28	168	1	0	197	0	14	26	23	0	63	0	28	256	33	0	317	0	0	51	19	0	70	647
Total Volume	0	106	688	10	0	804	0	65	135	120	0	320	0	113	1051	144	0	1308	0	7	222	93	0	322	2754
% App. Total	0	13.2	85.6	1.2	0		0	20.3	42.2	37.5	0		0	8.6	80.4	11	0		0	2.2	68.9	28.9	0		
PHF	.000	.914	.910	.625	.000	.914	.000	.813	.823	.857	.000	.870	.000	.883	.922	.766	.000	.919	.000	.438	.925	.802	.000	.904	.930

