

# Alliant Engineering Inc Minneapolis, MN 55415

TH-61 at Frost Ave / Parkway Drive  
 Ref.Pt: 140.275  
 data by: Alliant Engineering Inc  
 TURN MOVEMENT COUNT

File Name : 1 - TH 61 & Frost Ave  
 Site Code : 1  
 Start Date : 11/8/2012  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound				Frost Ave Westbound				TH-61 Northbound				Parkway Dr Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	1	46	12	0	1	22	10	0	0	53	4	0	8	5	0	0	162
06:15	4	80	23	0	3	24	17	0	0	57	0	0	12	5	0	0	225
06:30	3	130	51	0	4	52	16	0	0	82	2	0	14	12	1	0	367
06:45	7	185	82	0	3	53	15	0	0	82	3	0	20	6	1	0	457
Total	15	441	168	0	11	151	58	0	0	274	9	0	54	28	2	0	1211
07:00	10	190	104	0	6	84	23	0	0	98	2	0	19	15	2	2	555
07:15	8	244	131	0	3	87	16	0	2	115	8	0	23	9	0	0	646
07:30	9	228	144	0	6	97	29	0	0	116	5	0	33	12	1	0	680
07:45	10	238	133	0	12	64	25	0	1	97	5	0	14	13	0	0	612
Total	37	900	512	0	27	332	93	0	3	426	20	0	89	49	3	2	2493
08:00	16	192	92	0	6	42	13	0	0	91	12	0	25	13	0	0	502
08:15	15	124	44	0	10	47	11	0	1	98	3	0	21	15	0	0	389
08:30	14	121	58	0	2	20	16	0	0	123	1	0	14	8	0	0	377
08:45	11	133	40	0	7	21	17	0	0	115	5	0	19	12	0	0	380
Total	56	570	234	0	25	130	57	0	1	427	21	0	79	48	0	0	1648
09:00	13	121	26	0	9	12	17	0	0	97	4	0	18	11	0	0	328
09:15	13	100	21	0	2	24	8	0	2	103	9	0	16	16	1	0	315
Total	26	221	47	0	11	36	25	0	2	200	13	0	34	27	1	0	643
10:30	6	77	18	0	2	16	11	0	0	87	12	0	21	16	1	0	267
10:45	11	94	19	0	2	13	15	0	1	89	7	0	24	12	0	0	287
Total	17	171	37	0	4	29	26	0	1	176	19	0	45	28	1	0	554
11:00	12	85	21	0	2	17	9	0	0	89	6	0	30	14	1	0	286
11:15	18	84	16	0	4	21	6	0	2	87	9	0	27	21	0	0	295
11:30	9	75	38	0	8	13	9	0	0	93	7	0	25	21	3	0	301
11:45	19	108	18	0	4	20	15	0	0	78	3	0	36	24	2	0	327
Total	58	352	93	0	18	71	39	0	2	347	25	0	118	80	6	0	1209
12:00	21	118	25	0	5	27	14	1	0	102	3	2	19	18	0	0	355
12:15	16	97	27	0	5	20	13	0	0	106	4	0	30	23	0	0	341
12:30	19	91	32	0	6	26	19	0	1	106	6	0	26	16	1	0	349
12:45	14	100	28	0	2	20	12	0	2	90	13	0	42	15	1	0	339
Total	70	406	112	0	18	93	58	1	3	404	26	2	117	72	2	0	1384
13:00	22	96	24	1	2	22	13	0	1	96	6	0	40	22	0	0	345
13:15	12	94	33	0	4	17	15	0	1	119	12	0	22	23	1	0	353
Total	34	190	57	1	6	39	28	0	2	215	18	0	62	45	1	0	698
14:30	33	119	28	0	9	27	10	0	1	148	11	0	39	19	0	0	444
14:45	26	132	32	0	8	18	17	0	3	129	9	0	43	44	1	0	462
Total	59	251	60	0	17	45	27	0	4	277	20	0	82	63	1	0	906
15:00	29	94	35	0	6	33	12	0	1	151	18	0	38	37	1	0	455
15:15	33	169	48	0	4	9	11	0	1	158	12	0	49	36	0	0	530
15:30	23	156	39	0	5	23	11	0	1	164	20	0	60	33	1	0	536
15:45	38	175	47	0	7	27	4	2	2	179	13	2	53	50	1	2	602
Total	123	594	169	0	22	92	38	2	5	652	63	2	200	156	3	2	2123

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TH-61 at Frost Ave / Parkway Drive  
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File Name : 1 - TH 61 & Frost Ave  
 Site Code : 1  
 Start Date : 11/8/2012  
 Page No : 2

Groups Printed- Cars - Trucks

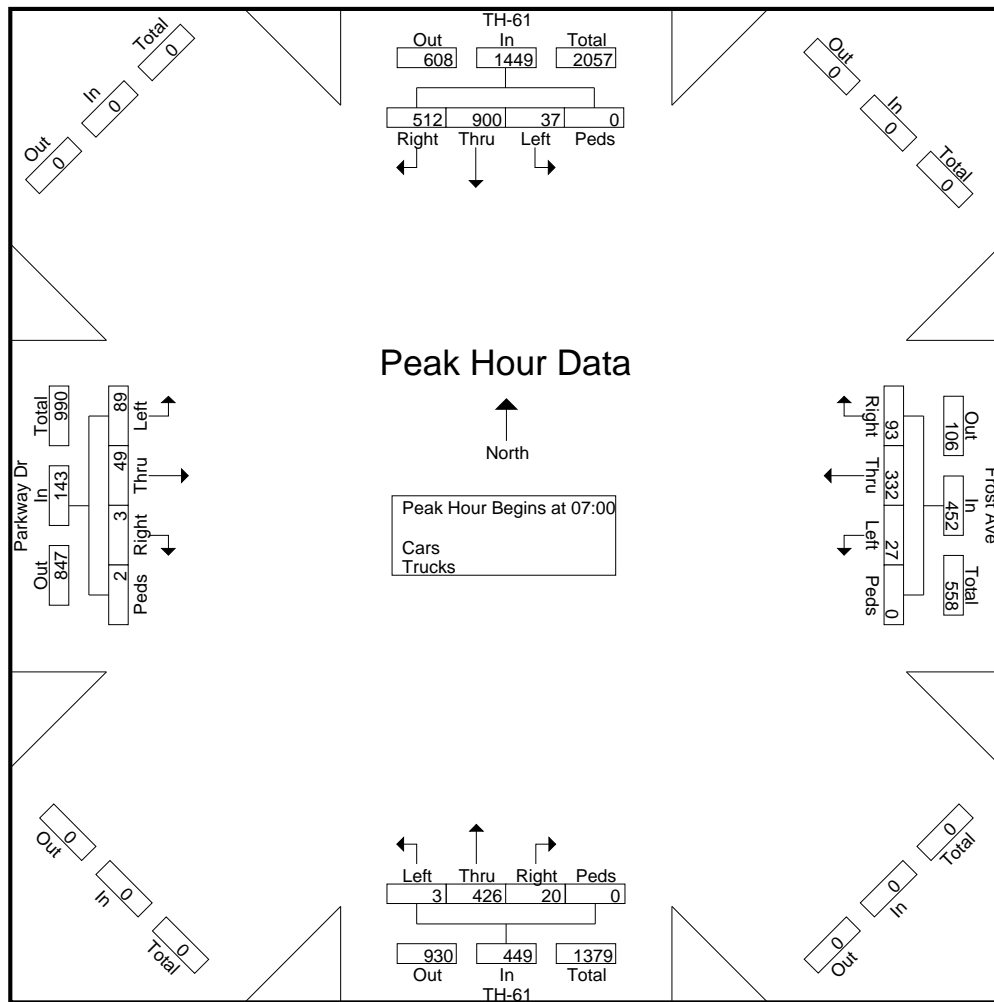
Start Time	TH-61 Southbound				Frost Ave Westbound				TH-61 Northbound				Parkway Dr Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	31	132	38	0	4	26	13	0	2	220	14	0	73	47	1	0	601
16:15	37	150	44	0	9	35	18	0	0	205	14	0	74	61	0	0	647
16:30	40	132	36	0	5	16	11	0	3	234	16	0	85	56	0	0	634
16:45	45	164	34	0	6	25	17	0	1	221	14	0	125	63	2	0	717
Total	153	578	152	0	24	102	59	0	6	880	58	0	357	227	3	0	2599
17:00	38	150	38	0	9	28	7	0	0	261	12	0	95	49	0	1	688
17:15	54	141	49	0	8	31	15	0	0	222	17	0	94	70	0	0	701
17:30	24	130	40	0	9	28	11	0	1	193	10	0	73	54	2	1	576
17:45	33	131	28	0	9	22	9	0	0	180	17	0	57	46	3	0	535
Total	149	552	155	0	35	109	42	0	1	856	56	0	319	219	5	2	2500
18:00	24	130	42	1	5	27	14	0	2	153	12	0	46	40	0	1	497
18:15	24	114	38	0	5	20	13	0	0	129	4	0	33	29	0	0	409
Grand Total	845	5470	1876	2	228	1276	577	3	32	5416	364	4	1635	1111	28	7	18874
Apprch %	10.3	66.8	22.9	0	10.9	61.2	27.7	0.1	0.6	93.1	6.3	0.1	58.8	39.9	1	0.3	
Total %	4.5	29	9.9	0	1.2	6.8	3.1	0	0.2	28.7	1.9	0	8.7	5.9	0.1	0	
Cars	817	5357	1852	0	225	1246	554	2	30	5306	347	2	1619	1090	27	5	18479
% Cars	96.7	97.9	98.7	0	98.7	97.6	96	66.7	93.8	98	95.3	50	99	98.1	96.4	71.4	97.9
Trucks	28	113	24	2	3	30	23	1	2	110	17	2	16	21	1	2	395
% Trucks	3.3	2.1	1.3	100	1.3	2.4	4	33.3	6.2	2	4.7	50	1	1.9	3.6	28.6	2.1

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File Name : 1 - TH 61 & Frost Ave  
 Site Code : 1  
 Start Date : 11/8/2012  
 Page No : 3

Start Time	TH-61 Southbound					Frost Ave Westbound					TH-61 Northbound					Parkway Dr Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 to 09:15 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	10	190	104	0	304	6	84	23	0	113	0	98	2	0	100	19	15	2	2	38	555
07:15	8	244	131	0	383	3	87	16	0	106	2	115	8	0	125	23	9	0	0	32	646
07:30	9	228	144	0	381	6	97	29	0	132	0	116	5	0	121	33	12	1	0	46	680
07:45	10	238	133	0	381	12	64	25	0	101	1	97	5	0	103	14	13	0	0	27	612
Total Volume	37	900	512	0	1449	27	332	93	0	452	3	426	20	0	449	89	49	3	2	143	2493
% App. Total	2.6	62.1	35.3	0		6	73.5	20.6	0		0.7	94.9	4.5	0		62.2	34.3	2.1	1.4		
PHF	.925	.922	.889	.000	.946	.563	.856	.802	.000	.856	.375	.918	.625	.000	.898	.674	.817	.375	.250	.777	.917



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 TURN MOVEMENT COUNT

File Name : 1 - TH 61 & Frost Ave  
 Site Code : 1  
 Start Date : 11/8/2012  
 Page No : 4

Start Time	TH-61 Southbound					Frost Ave Westbound					TH-61 Northbound					Parkway Dr Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 15:00 to 18:15 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	40	132	36	0	208	5	16	11	0	32	3	234	16	0	253	85	56	0	0	141	634
16:45	45	164	34	0	243	6	25	17	0	48	1	221	14	0	236	125	63	2	0	190	717
17:00	38	150	38	0	226	9	28	7	0	44	0	261	12	0	273	95	49	0	1	145	688
17:15	54	141	49	0	244	8	31	15	0	54	0	222	17	0	239	94	70	0	0	164	701
Total Volume	177	587	157	0	921	28	100	50	0	178	4	938	59	0	1001	399	238	2	1	640	2740
% App. Total	19.2	63.7	17	0		15.7	56.2	28.1	0		0.4	93.7	5.9	0		62.3	37.2	0.3	0.2		
PHF	.819	.895	.801	.000	.944	.778	.806	.735	.000	.824	.333	.898	.868	.000	.917	.798	.850	.250	.250	.842	.955

