

Alliant Engineering Inc Minneapolis, MN 55415

TH-13 at Pilot Knob Rd / CSAH-31

Ref.Pt.: 106.889

Alliant Engineering Inc

TURN MOVEMENT COUNT

File Name : 02_TH 13 at Pilot Knob Rd_021610

Site Code : 00000002

Start Date : 2/16/2010

Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Pilot Knob Rd / CSAH-31 Southbound				TH-13 Westbound				Pilot Knob Rd / CSAH-31 Northbound				TH-13 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	0	2	1	0	7	7	6	0	0	4	27	0	1	22	0	0	77
06:15	0	1	1	0	5	12	5	0	0	12	27	0	2	40	1	0	106
06:30	1	2	4	0	12	9	7	0	1	18	26	0	0	56	0	0	136
06:45	1	4	1	2	32	18	8	0	1	18	49	0	3	60	1	0	198
Total	2	9	7	2	56	46	26	0	2	52	129	0	6	178	2	0	517
07:00	3	3	2	0	23	13	4	0	0	9	61	0	2	80	1	0	201
07:15	1	3	5	0	40	22	5	0	2	11	74	0	4	107	0	0	274
07:30	1	3	2	0	34	44	10	0	2	14	83	0	1	116	0	0	310
07:45	2	4	3	0	43	39	10	1	0	25	65	2	4	109	5	6	318
Total	7	13	12	0	140	118	29	1	4	59	283	2	11	412	6	6	1103
08:00	3	8	2	0	46	36	5	0	1	12	41	0	2	92	3	0	251
08:15	2	5	1	0	39	22	9	0	1	18	32	0	1	81	2	1	214
08:30	3	5	3	0	30	32	1	0	0	11	35	0	0	59	3	0	182
08:45	3	4	3	0	34	28	5	0	1	12	22	0	1	50	3	0	166
Total	11	22	9	0	149	118	20	0	3	53	130	0	4	282	11	1	813
09:00	5	4	1	0	18	15	6	0	1	9	14	0	1	30	1	0	105
09:15	1	5	0	0	27	12	4	0	1	5	19	0	1	25	2	0	102
*** BREAK ***																	
Total	6	9	1	0	45	27	10	0	2	14	33	0	2	55	3	0	207
*** BREAK ***																	
10:30	2	13	3	0	21	15	4	0	1	7	20	0	1	15	0	0	102
10:45	1	7	3	0	16	12	2	0	1	6	20	0	1	20	1	0	90
Total	3	20	6	0	37	27	6	0	2	13	40	0	2	35	1	0	192
11:00	3	9	2	0	19	20	5	0	1	11	11	0	1	20	0	0	102
11:15	3	7	3	0	12	26	4	0	0	5	22	0	5	24	2	0	113
11:30	6	9	3	0	16	22	7	0	0	12	20	0	1	20	0	0	116
11:45	4	11	2	0	14	17	8	0	4	18	20	0	2	18	2	0	120
Total	16	36	10	0	61	85	24	0	5	46	73	0	9	82	4	0	451
12:00	6	13	4	0	14	21	8	0	3	15	27	0	3	28	0	0	142
12:15	2	15	3	0	23	20	4	0	1	18	15	0	4	24	1	0	130
12:30	7	15	1	0	17	28	6	0	0	19	19	0	1	22	3	0	138
12:45	5	11	2	0	26	32	8	0	1	13	14	0	2	36	0	0	150
Total	20	54	10	0	80	101	26	0	5	65	75	0	10	110	4	0	560
13:00	0	9	2	0	20	22	11	0	1	20	18	0	0	28	2	0	133
13:15	4	5	4	0	19	21	4	0	0	0	0	0	0	0	0	0	57
*** BREAK ***																	
Total	4	14	6	0	39	43	15	0	1	20	18	0	0	28	2	0	190
*** BREAK ***																	
14:30	9	10	2	0	25	24	5	0	0	15	36	0	1	23	1	1	152
14:45	10	8	4	0	20	32	4	0	1	15	17	0	1	20	1	1	134
Total	19	18	6	0	45	56	9	0	1	30	53	0	2	43	2	2	286
15:00	7	13	4	0	21	24	3	0	6	6	25	0	2	25	2	0	138
15:15	6	12	6	0	20	36	6	0	1	5	16	0	0	28	1	0	137
15:30	19	29	8	0	37	59	3	0	1	9	58	0	1	31	0	0	255
15:45	5	8	4	0	40	44	5	0	1	6	32	0	1	31	0	0	177
Total	37	62	22	0	118	163	17	0	9	26	131	0	4	115	3	0	707

Alliant Engineering Inc Minneapolis, MN 55415

TH-13 at Pilot Knob Rd / CSAH-31
 Ref.Pt.: 106.889
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 02_TH 13 at Pilot Knob Rd_021610
 Site Code : 00000002
 Start Date : 2/16/2010
 Page No : 2

Groups Printed- Unshifted - Bank 1

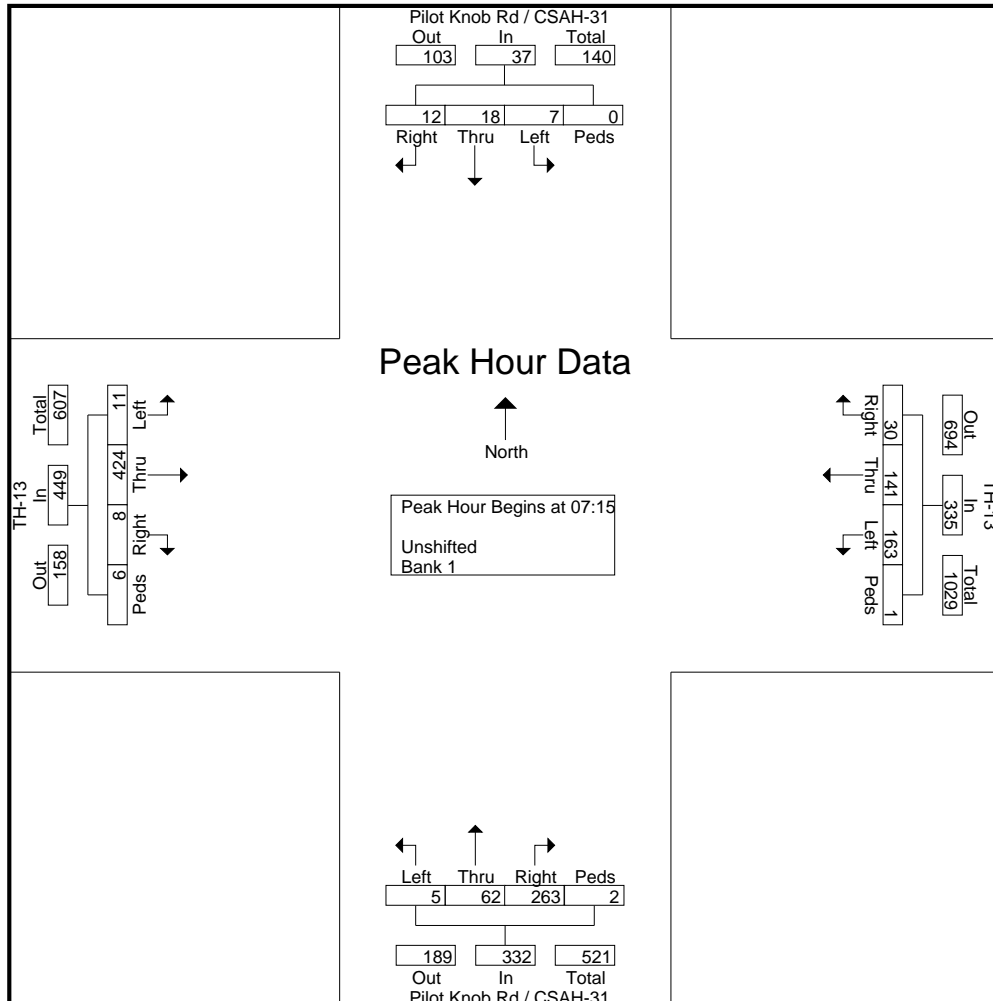
Start Time	Pilot Knob Rd / CSAH-31 Southbound				TH-13 Westbound				Pilot Knob Rd / CSAH-31 Northbound				TH-13 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	8	20	5	0	51	64	5	0	3	8	45	0	3	31	0	0	243
16:15	7	11	4	0	52	60	6	0	3	13	33	0	0	37	1	0	227
16:30	9	23	5	0	46	80	1	0	1	8	39	0	3	38	0	0	253
16:45	3	11	6	0	68	88	5	0	2	11	45	0	0	54	0	0	293
Total	27	65	20	0	217	292	17	0	9	40	162	0	6	160	1	0	1016
17:00	8	15	11	0	47	99	0	1	1	11	56	0	3	54	2	0	308
17:15	2	9	2	0	63	94	4	0	3	8	39	0	2	51	0	0	277
17:30	3	11	1	0	50	81	2	0	1	7	44	0	1	31	1	0	233
17:45	0	7	0	0	37	74	3	0	1	4	30	0	2	36	0	0	194
Total	13	42	14	0	197	348	9	1	6	30	169	0	8	172	3	0	1012
Grand Total	165	364	123	2	1184	1424	208	2	49	448	1296	2	64	1672	42	9	7054
Apprch %	25.2	55.7	18.8	0.3	42	50.5	7.4	0.1	2.7	25	72.2	0.1	3.6	93.6	2.4	0.5	
Total %	2.3	5.2	1.7	0	16.8	20.2	2.9	0	0.7	6.4	18.4	0	0.9	23.7	0.6	0.1	
Unshifted	154	342	118	2	1148	1380	191	2	45	432	1263	2	63	1634	40	9	6825
% Unshifted	93.3	94	95.9	100	97	96.9	91.8	100	91.8	96.4	97.5	100	98.4	97.7	95.2	100	96.8
Bank 1	11	22	5	0	36	44	17	0	4	16	33	0	1	38	2	0	229
% Bank 1	6.7	6	4.1	0	3	3.1	8.2	0	8.2	3.6	2.5	0	1.6	2.3	4.8	0	3.2

Alliant Engineering Inc Minneapolis, MN 55415

TH-13 at Pilot Knob Rd / CSAH-31
 Ref.Pt.: 106.889
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 02_TH 13 at Pilot Knob Rd_021610
 Site Code : 00000002
 Start Date : 2/16/2010
 Page No : 3

Start Time	Pilot Knob Rd / CSAH-31 Southbound					TH-13 Westbound					Pilot Knob Rd / CSAH-31 Northbound					TH-13 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 07:15																					
07:15	1	3	5	0	9	40	22	5	0	67	2	11	74	0	87	4	107	0	0	111	274
07:30	1	3	2	0	6	34	44	10	0	88	2	14	83	0	99	1	116	0	0	117	310
07:45	2	4	3	0	9	43	39	10	1	93	0	25	65	2	92	4	109	5	6	124	318
08:00	3	8	2	0	13	46	36	5	0	87	1	12	41	0	54	2	92	3	0	97	251
Total Volume	7	18	12	0	37	163	141	30	1	335	5	62	263	2	332	11	424	8	6	449	1153
% App. Total	18.9	48.6	32.4	0		48.7	42.1	9	0.3		1.5	18.7	79.2	0.6		2.4	94.4	1.8	1.3		
PHF	.583	.563	.600	.000	.712	.886	.801	.750	.250	.901	.625	.620	.792	.250	.838	.688	.914	.400	.250	.905	.906



Alliant Engineering Inc Minneapolis, MN 55415

TH-13 at Pilot Knob Rd / CSAH-31
 Ref.Pt.: 106.889
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 02_TH 13 at Pilot Knob Rd_021610
 Site Code : 00000002
 Start Date : 2/16/2010
 Page No : 4

Start Time	Pilot Knob Rd / CSAH-31 Southbound					TH-13 Westbound					Pilot Knob Rd / CSAH-31 Northbound					TH-13 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 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	9	23	5	0	37	46	80	1	0	127	1	8	39	0	48	3	38	0	0	41	253
16:45	3	11	6	0	20	68	88	5	0	161	2	11	45	0	58	0	54	0	0	54	293
17:00	8	15	11	0	34	47	99	0	1	147	1	11	56	0	68	3	54	2	0	59	308
17:15	2	9	2	0	13	63	94	4	0	161	3	8	39	0	50	2	51	0	0	53	277
Total Volume	22	58	24	0	104	224	361	10	1	596	7	38	179	0	224	8	197	2	0	207	1131
% App. Total	21.2	55.8	23.1	0		37.6	60.6	1.7	0.2		3.1	17	79.9	0		3.9	95.2	1	0		
PHF	.611	.630	.545	.000	.703	.824	.912	.500	.250	.925	.583	.864	.799	.000	.824	.667	.912	.250	.000	.877	.918

