

Alliant Engineering Inc Minneapolis, MN 55415

17th Ave N/CSAH-73 at Minnetonka Mills Rd
Ref.Pt.:
Alliant Engineering Inc
TURN MOVEMENT COUNT

File Name : 14_CR 73 at Minnetonka Mills(5th St)_011311
Site Code : 00000014
Start Date : 1/13/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	17th Ave N / CSAH-73 Southbound				5th St N Westbound				17th Ave N / CSAH-73 Northbound				Minnetonka Mills Rd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	4	12	0	0	9	0	0	0	3	14	4	0	1	1	1	0	49
06:15	3	16	2	0	7	0	3	0	1	16	3	0	3	3	7	0	64
06:30	4	37	3	0	4	1	6	0	5	34	8	0	10	3	4	0	119
06:45	7	32	9	0	15	2	7	0	15	50	3	0	10	8	8	0	166
Total	18	97	14	0	35	3	16	0	24	114	18	0	24	15	20	0	398
07:00	7	47	9	0	12	2	7	0	13	59	8	0	11	5	6	0	186
07:15	14	71	9	0	20	1	11	0	11	135	9	0	14	4	9	0	308
07:30	20	75	11	0	29	6	15	0	13	89	6	0	14	9	14	0	301
07:45	13	110	14	0	20	3	14	0	28	57	8	0	7	11	6	0	291
Total	54	303	43	0	81	12	47	0	65	340	31	0	46	29	35	0	1086
08:00	13	50	13	0	25	2	9	1	17	75	10	0	6	6	9	0	236
08:15	9	49	9	0	15	4	15	0	17	53	9	0	8	8	15	1	212
08:30	17	64	6	0	23	5	17	0	18	44	15	0	16	16	16	0	257
08:45	23	63	9	0	49	10	34	0	30	42	9	0	9	16	11	0	305
Total	62	226	37	0	112	21	75	1	82	214	43	0	39	46	51	1	1010
09:00	12	49	8	0	24	8	11	1	24	47	8	1	11	6	24	0	234
09:15	9	31	11	0	20	3	12	0	22	43	11	1	11	6	17	0	197
*** BREAK ***																	
Total	21	80	19	0	44	11	23	1	46	90	19	2	22	12	41	0	431
*** BREAK ***																	
10:30	11	37	12	1	14	3	14	0	23	34	3	0	15	9	16	0	192
10:45	10	21	5	0	7	8	7	1	27	38	6	0	9	6	19	0	164
Total	21	58	17	1	21	11	21	1	50	72	9	0	24	15	35	0	356
11:00	17	42	8	1	23	3	10	0	22	54	4	0	8	7	23	0	222
11:15	15	43	12	0	27	4	11	0	36	41	4	0	15	3	17	0	228
11:30	8	54	8	0	14	6	10	0	23	44	14	0	21	3	16	0	221
11:45	8	40	11	0	11	4	7	0	33	51	8	0	15	6	24	0	218
Total	48	179	39	1	75	17	38	0	114	190	30	0	59	19	80	0	889
12:00	10	41	10	0	17	1	16	0	22	41	6	0	12	6	25	0	207
12:15	14	48	15	2	24	8	8	0	32	49	8	0	10	5	15	0	238
12:30	8	48	8	0	17	3	12	0	33	33	7	0	10	5	9	0	193
12:45	9	49	14	0	17	3	13	0	29	36	8	0	11	10	19	0	218
Total	41	186	47	2	75	15	49	0	116	159	29	0	43	26	68	0	856
13:00	7	52	11	0	15	4	6	0	35	46	10	0	12	3	16	0	217
13:15	7	78	14	2	17	5	9	1	37	86	8	0	20	3	17	0	304
*** BREAK ***																	
Total	14	130	25	2	32	9	15	1	72	132	18	0	32	6	33	0	521
*** BREAK ***																	
14:30	6	43	8	0	17	11	17	0	27	69	6	0	23	8	19	0	254
14:45	11	111	18	1	19	18	11	0	39	88	4	0	16	6	13	0	355
Total	17	154	26	1	36	29	28	0	66	157	10	0	39	14	32	0	609
15:00	17	75	19	0	16	9	14	0	20	97	7	0	10	9	24	1	318
15:15	20	55	19	2	27	6	18	0	31	112	18	0	20	16	10	0	354
15:30	16	83	17	1	36	16	30	0	31	104	13	0	15	5	16	1	384
15:45	18	115	15	0	37	15	26	0	38	148	8	0	23	10	26	0	479
Total	71	328	70	3	116	46	88	0	120	461	46	0	68	40	76	2	1535

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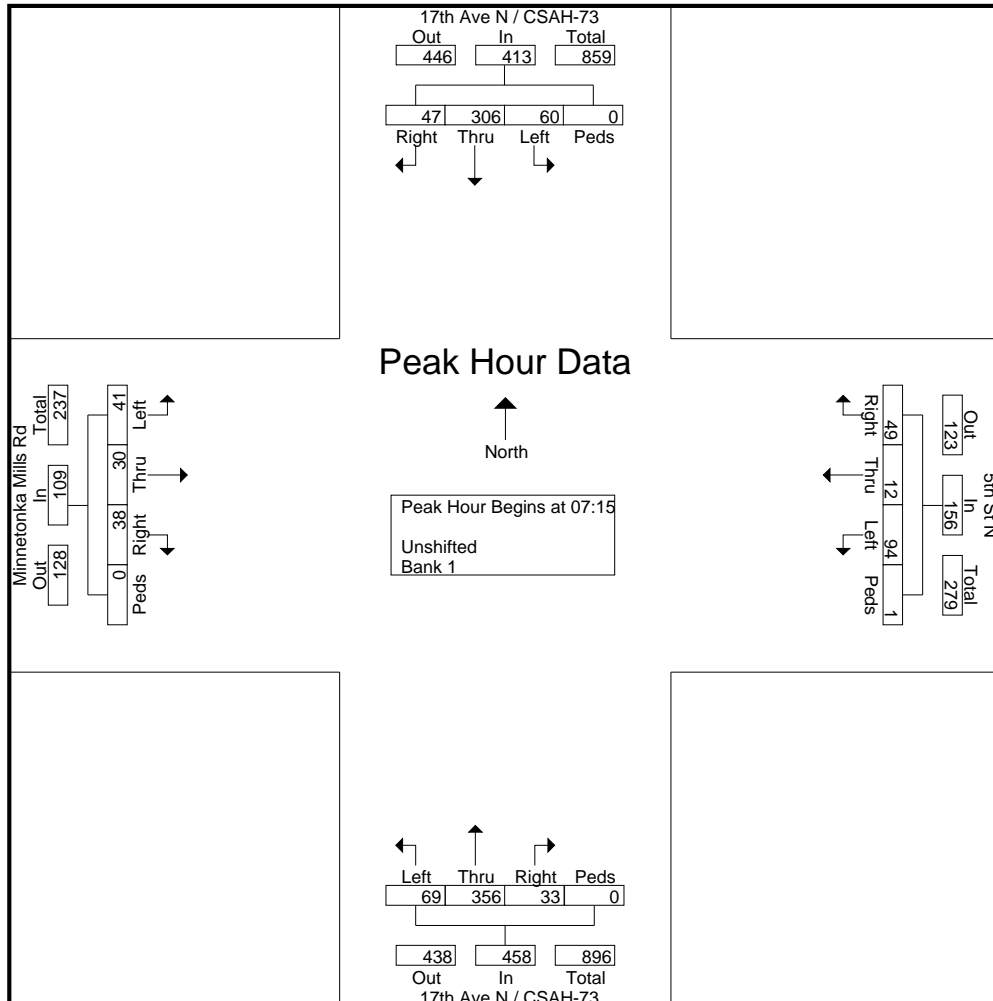
Start Time	17th Ave N / CSAH-73 Southbound				5th St N Westbound				17th Ave N / CSAH-73 Northbound				Minnetonka Mills Rd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	10	84	21	0	26	8	25	0	30	106	13	0	28	9	26	0	386
16:15	17	88	19	1	20	11	27	0	30	169	15	2	17	6	12	0	434
16:30	10	120	23	0	28	18	24	2	32	171	14	0	26	15	18	0	501
16:45	13	112	17	0	24	8	26	0	28	202	6	1	21	5	25	0	488
Total	50	404	80	1	98	45	102	2	120	648	48	3	92	35	81	0	1809
17:00	20	89	15	0	23	13	15	0	41	200	4	0	24	10	35	0	489
17:15	17	134	20	0	18	29	26	0	31	196	5	0	31	17	24	0	548
17:30	21	88	27	1	24	18	31	0	42	194	7	0	40	17	18	0	528
17:45	11	110	12	0	29	19	24	0	32	188	8	0	33	18	23	0	507
Total	69	421	74	1	94	79	96	0	146	778	24	0	128	62	100	0	2072
Grand Total	486	2566	491	12	819	298	598	6	1021	3355	325	5	616	319	652	3	11572
Apprch %	13.7	72.2	13.8	0.3	47.6	17.3	34.7	0.3	21.7	71.3	6.9	0.1	38.7	20.1	41	0.2	
Total %	4.2	22.2	4.2	0.1	7.1	2.6	5.2	0.1	8.8	29	2.8	0	5.3	2.8	5.6	0	
Unshifted	474	2536	485	12	801	292	577	6	1001	3309	314	5	605	309	636	3	11365
% Unshifted	97.5	98.8	98.8	100	97.8	98	96.5	100	98	98.6	96.6	100	98.2	96.9	97.5	100	98.2
Bank 1	12	30	6	0	18	6	21	0	20	46	11	0	11	10	16	0	207
% Bank 1	2.5	1.2	1.2	0	2.2	2	3.5	0	2	1.4	3.4	0	1.8	3.1	2.5	0	1.8

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	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	14	71	9	0	94	20	1	11	0	32	11	135	9	0	155	14	4	9	0	27	308
07:30	20	75	11	0	106	29	6	15	0	50	13	89	6	0	108	14	9	14	0	37	301
07:45	13	110	14	0	137	20	3	14	0	37	28	57	8	0	93	7	11	6	0	24	291
08:00	13	50	13	0	76	25	2	9	1	37	17	75	10	0	102	6	6	9	0	21	236
Total Volume	60	306	47	0	413	94	12	49	1	156	69	356	33	0	458	41	30	38	0	109	1136
% App. Total	14.5	74.1	11.4	0		60.3	7.7	31.4	0.6		15.1	77.7	7.2	0		37.6	27.5	34.9	0		
PHF	.750	.695	.839	.000	.754	.810	.500	.817	.250	.780	.616	.659	.825	.000	.739	.732	.682	.679	.000	.736	.922



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	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 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:00																					
17:00	20	89	15	0	124	23	13	15	0	51	41	200	4	0	245	24	10	35	0	69	489
17:15	17	134	20	0	171	18	29	26	0	73	31	196	5	0	232	31	17	24	0	72	548
17:30	21	88	27	1	137	24	18	31	0	73	42	194	7	0	243	40	17	18	0	75	528
17:45	11	110	12	0	133	29	19	24	0	72	32	188	8	0	228	33	18	23	0	74	507
Total Volume	69	421	74	1	565	94	79	96	0	269	146	778	24	0	948	128	62	100	0	290	2072
% App. Total	12.2	74.5	13.1	0.2		34.9	29.4	35.7	0		15.4	82.1	2.5	0		44.1	21.4	34.5	0		
PHF	.821	.785	.685	.250	.826	.810	.681	.774	.000	.921	.869	.973	.750	.000	.967	.800	.861	.714	.000	.967	.945

