

# Alliant Engineering Inc

## Minneapolis, MN 55415

TH-65 at Crosstown Blvd NE / CSAH-18  
 Ref.Pt.: 021.714 HAM LAKE  
 data by Alliant Engineering Inc.  
 TURN MOVEMENT COUNT

File Name : TH-65 at Crosstown Blvd NE 2009  
 Site Code : 00000021  
 Start Date : 1/15/2009  
 Page No : 1

**Groups Printed- Unshifted**

Start Time	TH-65 Southbound				Crosstown Blvd NE / CSAH-18 Westbound				TH-65 Northbound				Crosstown Blvd NE / CSAH-18 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	30	382	26	0	34	13	3	0	0	19	5	0	3	12	17	0	544
06:15	28	386	23	0	36	11	7	0	2	32	8	0	0	9	12	0	554
06:30	35	361	37	0	30	20	6	0	1	50	7	0	3	15	6	0	571
06:45	36	334	20	0	30	22	5	0	4	40	9	0	6	11	12	0	529
Total	129	1463	106	0	130	66	21	0	7	141	29	0	12	47	47	0	2198
07:00	43	277	26	0	37	16	6	0	2	28	8	0	5	14	19	0	481
07:15	33	309	27	0	19	19	12	0	10	59	20	0	7	21	11	0	547
07:30	37	283	26	0	36	17	18	0	2	59	10	0	11	15	16	0	530
07:45	32	248	28	0	16	31	15	0	1	65	19	1	10	16	13	0	495
Total	145	1117	107	0	108	83	51	0	15	211	57	1	33	66	59	0	2053
08:00	23	210	12	0	19	12	16	0	5	60	11	0	5	13	12	0	398
08:15	36	202	21	0	22	10	12	0	9	64	10	0	11	17	5	0	419
08:30	16	157	16	0	28	20	5	0	8	54	16	0	7	6	16	0	349
08:45	20	159	11	0	32	6	18	0	2	57	13	0	4	12	14	0	348
Total	95	728	60	0	101	48	51	0	24	235	50	0	27	48	47	0	1514
09:00	13	127	19	0	29	12	12	0	9	59	20	0	5	10	9	0	324
09:15	16	147	15	0	22	7	20	1	7	47	26	0	13	14	11	0	346
*** BREAK ***																	
Total	29	274	34	0	51	19	32	1	16	106	46	0	18	24	20	0	670
*** BREAK ***																	
10:30	26	132	10	0	28	19	15	0	3	61	18	0	5	10	6	0	333
10:45	14	125	10	0	21	12	8	0	9	49	16	0	7	6	8	0	285
Total	40	257	20	0	49	31	23	0	12	110	34	0	12	16	14	0	618
11:00	21	119	5	0	13	12	13	0	8	82	19	0	8	14	9	0	323
11:15	21	113	11	0	24	8	15	0	4	81	25	0	6	18	5	0	331
11:30	12	100	11	0	20	16	19	0	5	82	28	0	9	13	7	0	322
11:45	28	104	12	0	20	11	21	0	7	85	35	0	9	23	12	0	367
Total	82	436	39	0	77	47	68	0	24	330	107	0	32	68	33	0	1343
12:00	37	106	11	0	29	21	18	1	10	53	41	0	8	10	6	0	351
12:15	16	118	13	0	25	15	24	0	6	91	28	0	15	15	6	0	372
12:30	24	113	9	0	25	7	19	2	5	106	27	0	10	14	10	0	371
12:45	16	91	10	0	35	18	25	0	6	82	30	0	19	20	7	0	359
Total	93	428	43	0	114	61	86	3	27	332	126	0	52	59	29	0	1453
13:00	23	105	13	0	19	13	17	0	8	92	30	0	8	16	7	0	351
13:15	23	116	6	0	15	9	17	0	5	99	24	0	13	16	6	0	349
*** BREAK ***																	
Total	46	221	19	0	34	22	34	0	13	191	54	0	21	32	13	0	700
*** BREAK ***																	
14:30	25	102	14	0	22	6	26	0	6	163	42	0	13	17	8	0	444
14:45	23	77	10	0	23	15	24	0	17	209	47	0	7	22	9	0	483
Total	48	179	24	0	45	21	50	0	23	372	89	0	20	39	17	0	927
15:00	23	90	6	0	15	12	34	0	13	208	45	0	15	16	8	0	485
15:15	30	122	16	0	21	18	42	0	12	245	44	0	25	20	3	0	598
15:30	22	87	8	0	14	25	53	0	12	261	48	0	35	30	10	0	605
15:45	22	103	14	0	16	20	60	0	15	262	42	0	25	29	14	0	622
Total	97	402	44	0	66	75	189	0	52	976	179	0	100	95	35	0	2310

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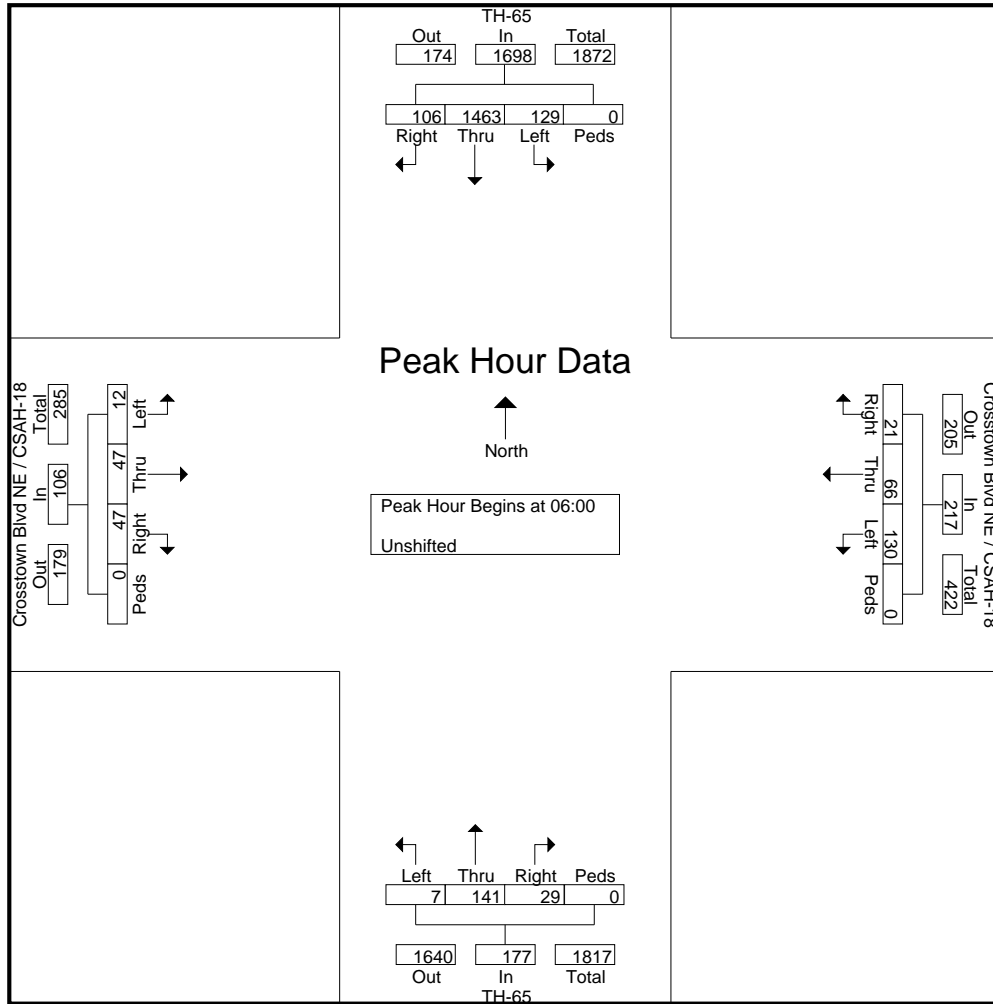
Start Time	TH-65 Southbound				Crosstown Blvd NE / CSAH-18 Westbound				TH-65 Northbound				Crosstown Blvd NE / CSAH-18 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	25	114	20	1	11	18	52	0	15	344	54	0	18	16	9	0	697
16:15	37	104	9	0	17	29	50	0	14	327	51	1	26	22	8	0	695
16:30	33	128	15	0	21	28	83	0	21	298	62	0	24	26	7	0	746
16:45	33	149	18	0	26	26	55	0	24	347	59	0	14	28	4	0	783
Total	128	495	62	1	75	101	240	0	74	1316	226	1	82	92	28	0	2921
17:00	31	146	14	0	20	28	76	2	12	430	57	0	20	25	17	0	878
17:15	25	140	16	0	21	26	69	0	11	307	60	0	23	28	4	0	730
17:30	31	93	12	0	25	22	57	0	16	240	42	1	24	31	6	0	600
17:45	28	104	7	0	28	17	55	0	6	237	51	0	22	35	9	1	600
Total	115	483	49	0	94	93	257	2	45	1214	210	1	89	119	36	1	2808
Grand Total	1047	6483	607	1	944	667	1102	6	332	5534	1207	3	498	705	378	1	19515
Apprch %	12.9	79.7	7.5	0	34.7	24.5	40.5	0.2	4.7	78.2	17.1	0	31.5	44.6	23.9	0.1	
Total %	5.4	33.2	3.1	0	4.8	3.4	5.6	0	1.7	28.4	6.2	0	2.6	3.6	1.9	0	

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Start Time	TH-65 Southbound					Crosstown Blvd NE / CSAH-18 Westbound					TH-65 Northbound					Crosstown Blvd NE / CSAH-18 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 08:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:00																					
06:00	30	382	26	0	438	34	13	3	0	50	0	19	5	0	24	3	12	17	0	32	544
06:15	28	386	23	0	437	36	11	7	0	54	2	32	8	0	42	0	9	12	0	21	554
06:30	35	361	37	0	433	30	20	6	0	56	1	50	7	0	58	3	15	6	0	24	571
06:45	36	334	20	0	390	30	22	5	0	57	4	40	9	0	53	6	11	12	0	29	529
Total Volume	129	1463	106	0	1698	130	66	21	0	217	7	141	29	0	177	12	47	47	0	106	2198
% App. Total	7.6	86.2	6.2	0		59.9	30.4	9.7	0		4	79.7	16.4	0		11.3	44.3	44.3	0		
PHF	.896	.948	.716	.000	.969	.903	.750	.750	.000	.952	.438	.705	.806	.000	.763	.500	.783	.691	.000	.828	.962



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Start Time	TH-65 Southbound					Crosstown Blvd NE / CSAH-18 Westbound					TH-65 Northbound					Crosstown Blvd NE / CSAH-18 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	33	128	15	0	176	21	28	83	0	132	21	298	62	0	381	24	26	7	0	57	746
16:45	33	149	18	0	200	26	26	55	0	107	24	347	59	0	430	14	28	4	0	46	783
17:00	31	146	14	0	191	20	28	76	2	126	12	430	57	0	499	20	25	17	0	62	878
17:15	25	140	16	0	181	21	26	69	0	116	11	307	60	0	378	23	28	4	0	55	730
Total Volume	122	563	63	0	748	88	108	283	2	481	68	1382	238	0	1688	81	107	32	0	220	3137
% App. Total	16.3	75.3	8.4	0		18.3	22.5	58.8	0.4		4	81.9	14.1	0		36.8	48.6	14.5	0		
PHF	.924	.945	.875	.000	.935	.846	.964	.852	.250	.911	.708	.803	.960	.000	.846	.844	.955	.471	.000	.887	.893

