

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at 12th Ave N.
Ref.Pt.: 190.796
Alliant Engineering Inc
TURN MOVEMNET COUNT

File Name : 15_TH 7 at 12th Ave_011111
Site Code : 00000015
Start Date : 1/11/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	N Service Drive connection Southbound				TH-7 Westbound				12th Ave N. Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	4	2	0	0	1	44	4	0	1	1	8	0	0	71	0	0	136
06:15	10	2	1	0	3	47	3	0	0	0	10	0	1	116	6	0	199
06:30	16	0	1	0	2	58	7	0	2	2	8	0	3	156	3	0	258
06:45	15	0	4	0	10	95	2	0	6	1	10	0	3	192	3	0	341
Total	45	4	6	0	16	244	16	0	9	4	36	0	7	535	12	0	934
07:00	11	2	2	0	4	85	7	0	6	0	19	0	2	217	3	0	358
07:15	14	5	4	0	3	128	7	0	10	5	14	0	6	284	5	0	485
07:30	21	1	4	0	2	197	7	0	10	6	20	0	4	312	5	0	589
07:45	19	3	5	0	9	248	10	0	7	3	16	0	7	368	10	0	705
Total	65	11	15	0	18	658	31	0	33	14	69	0	19	1181	23	0	2137
08:00	25	2	5	0	20	179	8	0	3	6	9	0	7	346	9	0	619
08:15	27	11	4	0	9	174	6	0	8	3	14	0	5	358	5	0	624
08:30	27	10	2	0	6	184	13	0	8	10	8	0	19	327	10	0	624
08:45	48	15	7	0	7	190	9	0	8	16	12	0	27	269	12	0	620
Total	127	38	18	0	42	727	36	0	27	35	43	0	58	1300	36	0	2487
09:00	38	15	5	0	7	150	8	0	11	4	8	0	18	260	8	0	532
09:15	34	13	9	0	6	180	8	0	6	8	7	0	5	218	16	0	510
*** BREAK ***																	
Total	72	28	14	0	13	330	16	0	17	12	15	0	23	478	24	0	1042
*** BREAK ***																	
10:30	15	5	5	0	4	104	5	0	5	3	7	0	6	132	8	0	299
10:45	11	2	2	0	8	138	6	0	5	4	8	0	1	165	5	0	355
Total	26	7	7	0	12	242	11	0	10	7	15	0	7	297	13	0	654
11:00	19	5	2	0	5	143	8	0	9	3	4	0	2	129	7	0	336
11:15	11	9	3	0	9	119	15	0	8	2	7	0	1	147	7	0	338
11:30	12	9	1	0	9	131	3	0	6	5	6	0	2	132	10	0	326
11:45	5	5	1	0	13	140	3	0	12	4	7	0	1	153	8	0	352
Total	47	28	7	0	36	533	29	0	35	14	24	0	6	561	32	0	1352
12:00	27	11	7	0	10	145	5	0	5	5	4	0	2	157	7	0	385
12:15	11	7	6	0	12	131	8	0	5	8	8	0	4	176	12	0	388
12:30	15	7	6	0	10	154	8	0	9	7	13	0	3	124	3	0	359
12:45	11	3	5	0	6	169	10	0	9	5	10	0	4	154	14	0	400
Total	64	28	24	0	38	599	31	0	28	25	35	0	13	611	36	0	1532
13:00	11	5	2	0	3	162	3	0	12	1	4	0	0	142	2	0	347
13:15	16	4	2	0	3	151	10	0	8	6	9	0	1	155	6	0	371
*** BREAK ***																	
Total	27	9	4	0	6	313	13	0	20	7	13	0	1	297	8	0	718
*** BREAK ***																	
14:30	5	3	3	0	10	180	15	0	7	3	13	0	3	128	9	0	379
14:45	13	2	9	0	9	201	24	0	10	8	6	0	1	165	15	0	463
Total	18	5	12	0	19	381	39	0	17	11	19	0	4	293	24	0	842
15:00	19	5	8	0	18	192	15	0	13	5	9	0	7	158	16	1	466
15:15	24	4	8	0	18	232	20	0	13	10	16	0	6	156	7	0	514
15:30	47	13	12	0	9	257	12	0	8	8	15	0	10	153	12	0	556
15:45	25	10	4	0	14	279	13	0	12	9	10	0	4	189	10	1	580
Total	115	32	32	0	59	960	60	0	46	32	50	0	27	656	45	2	2116

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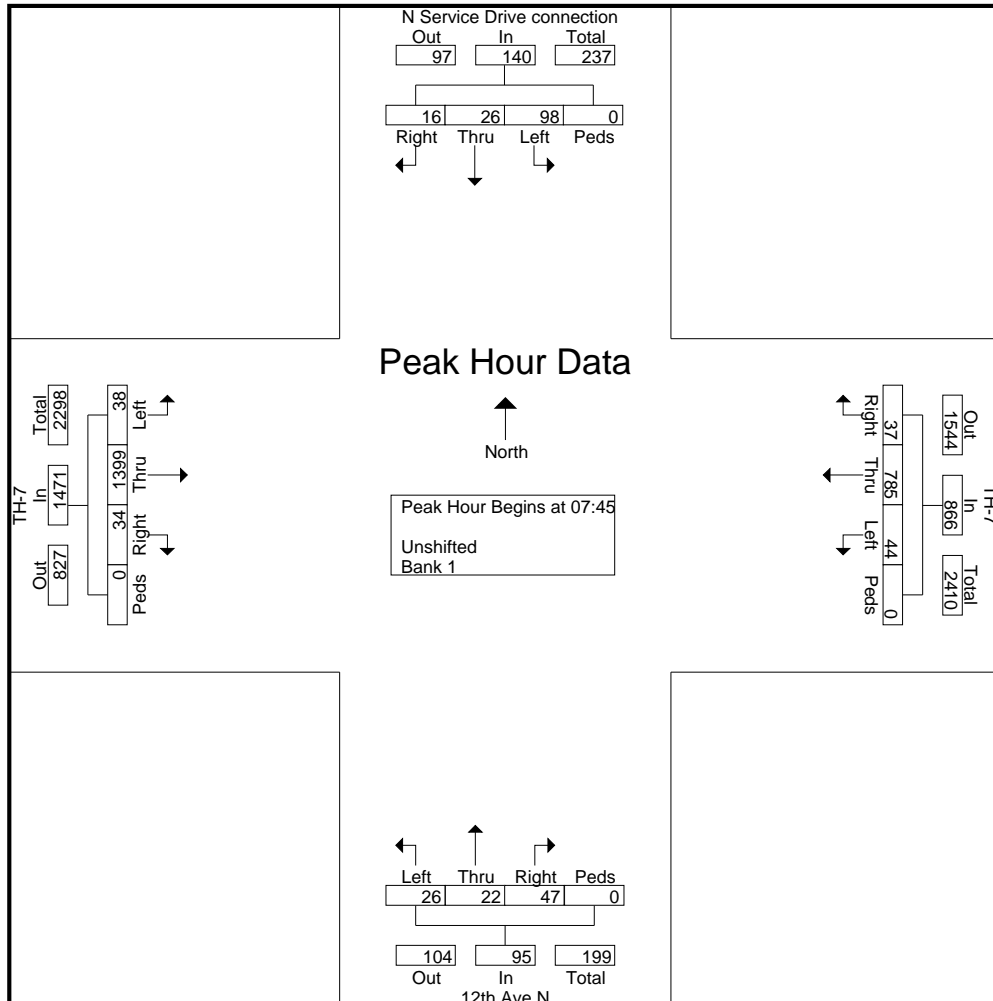
Start Time	N Service Drive connection Southbound				TH-7 Westbound				12th Ave N. Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	20	8	9	0	20	283	11	1	15	6	14	0	4	169	17	0	577
16:15	10	8	5	0	22	312	3	0	18	7	18	0	0	207	11	0	621
16:30	23	5	8	0	14	275	9	0	15	9	14	0	1	196	8	0	577
16:45	24	4	14	0	24	349	11	1	15	5	17	1	3	250	16	0	734
Total	77	25	36	0	80	1219	34	2	63	27	63	1	8	822	52	0	2509
17:00	23	9	9	0	13	344	10	0	17	5	10	0	3	234	15	0	692
17:15	22	5	5	0	17	381	20	1	26	11	11	0	9	287	13	0	808
17:30	18	7	7	0	18	314	26	0	13	11	11	0	3	257	19	0	704
17:45	28	5	9	0	13	331	18	3	20	5	12	0	6	236	24	1	711
Total	91	26	30	0	61	1370	74	4	76	32	44	0	21	1014	71	1	2915
Grand Total	774	241	205	0	400	7576	390	6	381	220	426	1	194	8045	376	3	19238
Apprch %	63.4	19.8	16.8	0	4.8	90.5	4.7	0.1	37.1	21.4	41.4	0.1	2.3	93.4	4.4	0	
Total %	4	1.3	1.1	0	2.1	39.4	2	0	2	1.1	2.2	0	1	41.8	2	0	
Unshifted	735	221	198	0	393	7423	380	6	373	200	419	1	181	7913	367	3	18813
% Unshifted	95	91.7	96.6	0	98.2	98	97.4	100	97.9	90.9	98.4	100	93.3	98.4	97.6	100	97.8
Bank 1	39	20	7	0	7	153	10	0	8	20	7	0	13	132	9	0	425
% Bank 1	5	8.3	3.4	0	1.8	2	2.6	0	2.1	9.1	1.6	0	6.7	1.6	2.4	0	2.2

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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 07:45																					
07:45	19	3	5	0	27	9	248	10	0	267	7	3	16	0	26	7	368	10	0	385	705
08:00	25	2	5	0	32	20	179	8	0	207	3	6	9	0	18	7	346	9	0	362	619
08:15	27	11	4	0	42	9	174	6	0	189	8	3	14	0	25	5	358	5	0	368	624
08:30	27	10	2	0	39	6	184	13	0	203	8	10	8	0	26	19	327	10	0	356	624
Total Volume	98	26	16	0	140	44	785	37	0	866	26	22	47	0	95	38	1399	34	0	1471	2572
% App. Total	70	18.6	11.4	0		5.1	90.6	4.3	0		27.4	23.2	49.5	0		2.6	95.1	2.3	0		
PHF	.907	.591	.800	.000	.833	.550	.791	.712	.000	.811	.813	.550	.734	.000	.913	.500	.950	.850	.000	.955	.912



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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 16:45																					
16:45	24	4	14	0	42	24	349	11	1	385	15	5	17	1	38	3	250	16	0	269	734
17:00	23	9	9	0	41	13	344	10	0	367	17	5	10	0	32	3	234	15	0	252	692
17:15	22	5	5	0	32	17	381	20	1	419	26	11	11	0	48	9	287	13	0	309	808
17:30	18	7	7	0	32	18	314	26	0	358	13	11	11	0	35	3	257	19	0	279	704
Total Volume	87	25	35	0	147	72	1388	67	2	1529	71	32	49	1	153	18	1028	63	0	1109	2938
% App. Total	59.2	17	23.8	0		4.7	90.8	4.4	0.1		46.4	20.9	32	0.7		1.6	92.7	5.7	0		
PHF	.906	.694	.625	.000	.875	.750	.911	.644	.500	.912	.683	.727	.721	.250	.797	.500	.895	.829	.000	.897	.909

