

# Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at 5th Ave N / Oak Ridge Rd.

Ref.Pt.: 191.251

Alliant Engineering Inc

TURN MOVEMENT COUNT

File Name : 16\_TH 7 at 5th Ave\_011111

Site Code : 00000016

Start Date : 1/11/2011

Page No : 1

### Groups Printed- Unshifted - Bank 1

Start Time	Oak Ridge Rd. Southbound				TH-7 Westbound				5th 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	1	4	0	1	6	32	2	0	3	4	12	0	2	88	11	0	166
06:15	6	3	4	0	23	55	1	0	8	3	14	0	1	114	15	0	247
06:30	7	17	4	0	53	86	3	0	12	7	20	0	3	168	21	2	403
06:45	11	28	8	0	29	137	3	1	10	11	21	1	2	233	35	0	530
Total	25	52	16	1	111	310	9	1	33	25	67	1	8	603	82	2	1346
07:00	2	16	4	0	17	129	0	0	11	11	21	0	1	217	38	0	467
07:15	4	9	7	0	24	133	3	0	14	16	22	1	1	361	37	0	632
07:30	9	21	6	0	21	154	5	0	19	15	42	0	4	391	40	0	727
07:45	2	27	7	0	17	199	7	0	16	16	50	0	5	386	60	0	792
Total	17	73	24	0	79	615	15	0	60	58	135	1	11	1355	175	0	2618
08:00	8	24	2	0	27	170	7	0	14	9	42	0	4	359	40	0	706
08:15	11	11	6	0	23	165	2	0	12	9	39	0	4	298	37	0	617
08:30	9	17	12	0	17	198	5	0	14	11	31	0	3	287	32	0	636
08:45	10	15	9	0	40	196	3	1	24	11	30	0	3	272	34	0	648
Total	38	67	29	0	107	729	17	1	64	40	142	0	14	1216	143	0	2607
09:00	3	13	3	0	28	158	12	0	17	13	22	0	1	203	28	0	501
09:15	5	11	0	0	30	154	5	0	13	8	29	0	5	209	16	0	485
*** BREAK ***																	
Total	8	24	3	0	58	312	17	0	30	21	51	0	6	412	44	0	986
*** BREAK ***																	
10:30	7	10	1	1	19	117	3	0	6	5	27	0	4	176	19	0	395
10:45	1	6	4	0	25	132	3	0	12	8	27	0	1	127	13	0	359
Total	8	16	5	1	44	249	6	0	18	13	54	0	5	303	32	0	754
11:00	0	11	2	0	30	132	4	0	6	9	36	0	1	160	11	0	402
11:15	5	11	6	0	28	133	6	0	10	9	32	1	1	147	6	0	395
11:30	2	11	3	0	15	176	7	0	7	9	36	0	2	175	8	0	451
11:45	5	12	5	0	31	158	11	0	11	11	34	0	6	156	8	1	449
Total	12	45	16	0	104	599	28	0	34	38	138	1	10	638	33	1	1697
12:00	1	10	2	0	32	195	8	0	10	11	48	0	1	189	18	0	525
12:15	8	6	2	0	36	150	10	0	11	7	45	0	3	174	13	0	465
12:30	5	20	1	0	33	162	8	0	8	11	34	0	2	198	12	0	494
12:45	2	15	6	0	27	168	10	0	14	12	44	0	1	165	19	0	483
Total	16	51	11	0	128	675	36	0	43	41	171	0	7	726	62	0	1967
13:00	2	7	6	0	30	173	2	0	5	6	37	0	1	196	14	0	479
13:15	7	10	3	0	33	163	4	0	15	10	29	0	1	175	12	0	462
*** BREAK ***																	
Total	9	17	9	0	63	336	6	0	20	16	66	0	2	371	26	0	941
*** BREAK ***																	
14:30	7	8	10	1	26	191	8	1	16	7	42	1	4	157	7	1	487
14:45	3	14	6	0	38	206	5	0	14	18	34	0	2	175	9	0	524
Total	10	22	16	1	64	397	13	1	30	25	76	1	6	332	16	1	1011
15:00	2	12	9	0	25	214	3	0	12	15	30	0	7	157	12	0	498
15:15	11	12	7	0	43	270	8	0	23	15	42	0	3	193	9	0	636
15:30	8	13	6	0	42	270	13	0	24	15	39	0	3	181	22	0	636
15:45	5	12	4	0	51	324	15	0	23	24	32	0	6	207	22	0	725
Total	26	49	26	0	161	1078	39	0	82	69	143	0	19	738	65	0	2495

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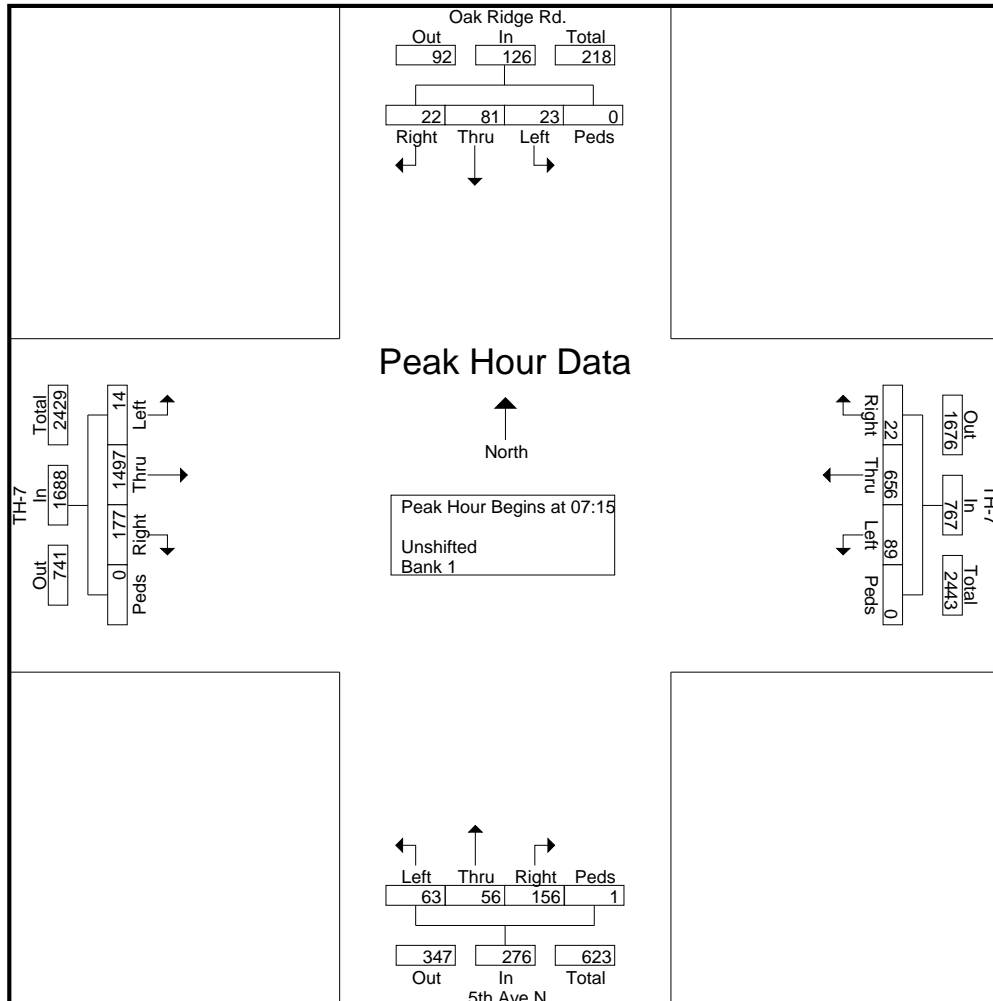
Start Time	Oak Ridge Rd. Southbound				TH-7 Westbound				5th Ave N Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	2	17	5	0	43	261	7	0	31	29	44	0	3	184	12	0	638
16:15	6	17	5	0	44	295	32	3	20	28	37	0	6	221	14	0	728
16:30	6	16	6	1	36	271	17	1	33	42	39	1	7	209	15	0	700
16:45	6	9	3	0	44	340	6	0	44	40	35	0	7	259	22	0	815
Total	20	59	19	1	167	1167	62	4	128	139	155	1	23	873	63	0	2881
17:00	3	11	3	0	32	338	20	0	45	32	37	0	9	276	11	0	817
17:15	1	16	5	0	36	366	17	3	47	40	58	0	9	295	18	0	911
17:30	3	7	2	0	55	292	61	1	38	31	46	0	9	260	18	0	823
17:45	3	17	7	0	52	289	10	1	29	35	30	0	7	237	12	0	729
Total	10	51	17	0	175	1285	108	5	159	138	171	0	34	1068	59	0	3280
Grand Total	199	526	191	4	1261	7752	356	12	701	623	1369	5	145	8635	800	4	22583
Apprch %	21.6	57.2	20.8	0.4	13.4	82.6	3.8	0.1	26	23.1	50.7	0.2	1.5	90.1	8.3	0	
Total %	0.9	2.3	0.8	0	5.6	34.3	1.6	0.1	3.1	2.8	6.1	0	0.6	38.2	3.5	0	
Unshifted	194	511	184	4	1228	7578	347	12	680	606	1340	5	140	8479	785	4	22097
% Unshifted	97.5	97.1	96.3	100	97.4	97.8	97.5	100	97	97.3	97.9	100	96.6	98.2	98.1	100	97.8
Bank 1	5	15	7	0	33	174	9	0	21	17	29	0	5	156	15	0	486
% Bank 1	2.5	2.9	3.7	0	2.6	2.2	2.5	0	3	2.7	2.1	0	3.4	1.8	1.9	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 10:00 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15																					
07:15	4	9	7	0	20	24	133	3	0	160	14	16	22	1	53	1	361	37	0	399	632
07:30	9	21	6	0	36	21	154	5	0	180	19	15	42	0	76	4	391	40	0	435	727
07:45	2	27	7	0	36	17	199	7	0	223	16	16	50	0	82	5	386	60	0	451	792
08:00	8	24	2	0	34	27	170	7	0	204	14	9	42	0	65	4	359	40	0	403	706
Total Volume	23	81	22	0	126	89	656	22	0	767	63	56	156	1	276	14	1497	177	0	1688	2857
% App. Total	18.3	64.3	17.5	0		11.6	85.5	2.9	0		22.8	20.3	56.5	0.4		0.8	88.7	10.5	0		
PHF	.639	.750	.786	.000	.875	.824	.824	.786	.000	.860	.829	.875	.780	.250	.841	.700	.957	.738	.000	.936	.902



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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	6	9	3	0	18	44	340	6	0	390	44	40	35	0	119	7	259	22	0	288	815
17:00	3	11	3	0	17	32	338	20	0	390	45	32	37	0	114	9	276	11	0	296	817
17:15	1	16	5	0	22	36	366	17	3	422	47	40	58	0	145	9	295	18	0	322	911
17:30	3	7	2	0	12	55	292	61	1	409	38	31	46	0	115	9	260	18	0	287	823
Total Volume	13	43	13	0	69	167	1336	104	4	1611	174	143	176	0	493	34	1090	69	0	1193	3366
% App. Total	18.8	62.3	18.8	0		10.4	82.9	6.5	0.2		35.3	29	35.7	0		2.8	91.4	5.8	0		
PHF	.542	.672	.650	.000	.784	.759	.913	.426	.333	.954	.926	.894	.759	.000	.850	.944	.924	.784	.000	.926	.924

