

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at Tonkawood Rd / Woodland Rd.

Ref.Pt.: 187.285

Alliant Engineering Inc.

TURN MOVEMENT COUNT

File Name : 10_TH 7 at Tonkawood Rd_020211

Site Code : 00000010

Start Date : 2/2/2011

Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Tonkawood Rd Southbound				TH-7 Westbound				Woodland Rd. Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	5	0	7	0	1	77	0	0	0	1	13	0	0	205	2	0	311
06:15	3	0	2	0	1	79	1	0	1	2	19	0	0	247	2	0	357
06:30	9	0	0	0	5	139	2	0	3	1	21	0	2	364	0	0	546
06:45	12	0	12	0	5	152	0	0	2	2	19	0	5	424	0	0	633
Total	29	0	21	0	12	447	3	0	6	6	72	0	7	1240	4	0	1847
07:00	11	9	6	0	7	143	4	0	5	4	28	0	4	484	0	0	705
07:15	10	10	14	0	4	197	1	0	6	15	34	0	9	598	3	0	901
07:30	16	5	19	0	6	265	5	0	6	6	37	0	6	623	4	0	998
07:45	14	5	6	0	3	183	3	0	3	7	37	0	9	454	6	0	730
Total	51	29	45	0	20	788	13	0	20	32	136	0	28	2159	13	0	3334
08:00	14	13	6	0	18	212	3	0	7	17	24	0	27	313	14	0	668
08:15	14	14	4	0	20	199	6	0	1	12	14	0	21	490	9	0	804
08:30	14	16	9	0	8	170	3	0	6	25	38	0	9	492	0	0	790
08:45	5	6	5	0	17	212	5	0	3	8	21	0	10	372	7	0	671
Total	47	49	24	0	63	793	17	0	17	62	97	0	67	1667	30	0	2933
09:00	13	6	1	0	12	181	5	0	6	12	28	0	1	329	4	0	598
09:15	11	2	6	0	12	155	5	0	2	2	16	0	4	324	4	0	543
*** BREAK ***																	
Total	24	8	7	0	24	336	10	0	8	14	44	0	5	653	8	0	1141
*** BREAK ***																	
10:30	7	3	5	0	5	180	5	0	5	2	4	0	3	209	7	0	435
10:45	8	1	4	0	12	189	6	0	4	3	10	0	6	240	1	0	484
Total	15	4	9	0	17	369	11	0	9	5	14	0	9	449	8	0	919
11:00	4	5	3	0	22	172	8	0	4	2	7	0	4	175	3	0	409
11:15	5	3	5	0	10	192	1	0	7	6	8	0	5	268	7	0	517
11:30	8	3	2	0	20	176	4	0	8	8	7	0	2	221	5	0	464
11:45	10	2	2	0	25	188	4	0	8	1	13	0	7	227	0	0	487
Total	27	13	12	0	77	728	17	0	27	17	35	0	18	891	15	0	1877
12:00	8	6	2	0	18	149	4	0	5	1	5	0	12	176	2	0	388
12:15	3	3	2	0	19	204	5	0	6	1	7	0	10	217	10	0	487
12:30	9	6	4	0	5	220	6	0	7	7	11	0	5	235	4	0	519
12:45	5	2	1	0	15	215	0	0	9	7	8	0	6	249	7	0	524
Total	25	17	9	0	57	788	15	0	27	16	31	0	33	877	23	0	1918
13:00	7	5	6	0	10	166	5	0	9	2	9	0	5	223	7	0	454
13:15	4	3	2	0	16	231	5	0	3	4	12	0	6	261	7	0	554
*** BREAK ***																	
Total	11	8	8	0	26	397	10	0	12	6	21	0	11	484	14	0	1008
*** BREAK ***																	
14:30	4	8	5	0	24	303	9	0	5	7	9	0	8	237	4	0	623
14:45	7	5	4	0	24	292	8	0	8	5	7	0	14	247	5	0	626
Total	11	13	9	0	48	595	17	0	13	12	16	0	22	484	9	0	1249
15:00	6	6	9	0	29	305	7	0	8	9	9	0	8	254	3	0	653
15:15	7	13	5	0	42	324	16	0	6	6	17	0	3	234	4	0	677
15:30	4	7	8	0	31	307	15	0	7	11	16	0	13	254	4	0	677
15:45	7	5	8	0	31	378	16	0	6	9	13	0	9	231	2	0	715
Total	24	31	30	0	133	1314	54	0	27	35	55	0	33	973	13	0	2722

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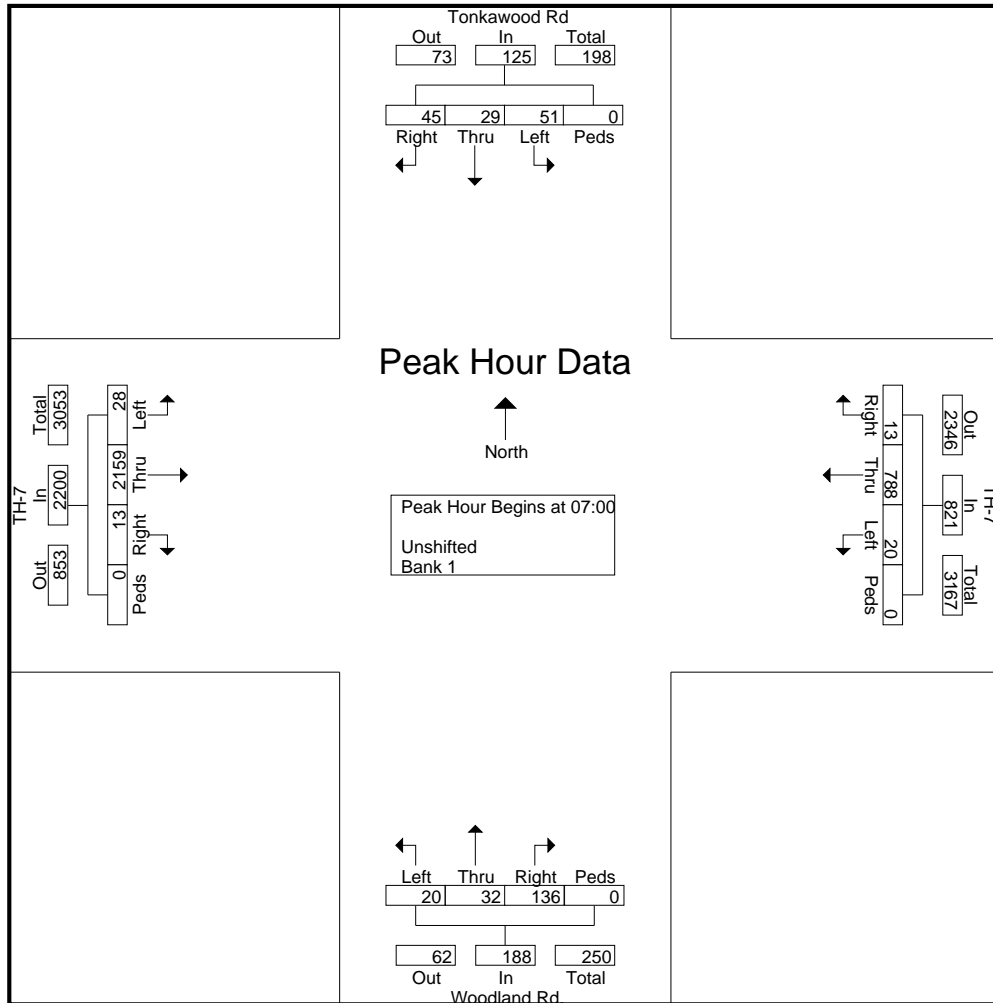
Start Time	Tonkawood Rd Southbound				TH-7 Westbound				Woodland Rd. Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	13	22	8	0	29	311	8	0	4	7	11	0	4	249	5	0	671
16:15	7	9	2	0	33	402	7	0	4	9	7	0	7	267	5	0	759
16:30	9	9	5	0	39	409	6	0	6	6	10	0	15	302	8	0	824
16:45	4	3	4	0	37	430	13	0	4	4	12	0	12	254	9	0	786
Total	33	43	19	0	138	1552	34	0	18	26	40	0	38	1072	27	0	3040
17:00	6	11	14	0	50	385	12	0	7	13	9	0	13	287	12	0	819
17:15	4	3	6	0	26	423	11	0	4	6	9	0	11	287	7	0	797
17:30	5	11	10	0	48	394	5	0	5	6	13	0	18	261	10	0	786
17:45	3	11	17	0	50	452	7	1	6	5	13	0	12	260	13	0	850
Total	18	36	47	0	174	1654	35	1	22	30	44	0	54	1095	42	0	3252
Grand Total	315	251	240	0	789	9761	236	1	206	261	605	0	325	12044	206	0	25240
Apprch %	39.1	31.1	29.8	0	7.3	90.5	2.2	0	19.2	24.3	56.4	0	2.6	95.8	1.6	0	
Total %	1.2	1	1	0	3.1	38.7	0.9	0	0.8	1	2.4	0	1.3	47.7	0.8	0	
Unshifted	310	243	235	0	785	9577	230	1	200	254	600	0	319	11843	206	0	24803
% Unshifted	98.4	96.8	97.9	0	99.5	98.1	97.5	100	97.1	97.3	99.2	0	98.2	98.3	100	0	98.3
Bank 1	5	8	5	0	4	184	6	0	6	7	5	0	6	201	0	0	437
% Bank 1	1.6	3.2	2.1	0	0.5	1.9	2.5	0	2.9	2.7	0.8	0	1.8	1.7	0	0	1.7

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Start Time	Tonkawood Rd Southbound					TH-7 Westbound					Woodland Rd. Northbound					TH-7 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 07:00																					
07:00	11	9	6	0	26	7	143	4	0	154	5	4	28	0	37	4	484	0	0	488	705
07:15	10	10	14	0	34	4	197	1	0	202	6	15	34	0	55	9	598	3	0	610	901
07:30	16	5	19	0	40	6	265	5	0	276	6	6	37	0	49	6	623	4	0	633	998
07:45	14	5	6	0	25	3	183	3	0	189	3	7	37	0	47	9	454	6	0	469	730
Total Volume	51	29	45	0	125	20	788	13	0	821	20	32	136	0	188	28	2159	13	0	2200	3334
% App. Total	40.8	23.2	36	0		2.4	96	1.6	0		10.6	17	72.3	0		1.3	98.1	0.6	0		
PHF	.797	.725	.592	.000	.781	.714	.743	.650	.000	.744	.833	.533	.919	.000	.855	.778	.866	.542	.000	.869	.835



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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	6	11	14	0	31	50	385	12	0	447	7	13	9	0	29	13	287	12	0	312	819
17:15	4	3	6	0	13	26	423	11	0	460	4	6	9	0	19	11	287	7	0	305	797
17:30	5	11	10	0	26	48	394	5	0	447	5	6	13	0	24	18	261	10	0	289	786
17:45	3	11	17	0	31	50	452	7	1	510	6	5	13	0	24	12	260	13	0	285	850
Total Volume	18	36	47	0	101	174	1654	35	1	1864	22	30	44	0	96	54	1095	42	0	1191	3252
% App. Total	17.8	35.6	46.5	0		9.3	88.7	1.9	0.1		22.9	31.2	45.8	0		4.5	91.9	3.5	0		
PHF	.750	.818	.691	.000	.815	.870	.915	.729	.250	.914	.786	.577	.846	.000	.828	.750	.954	.808	.000	.954	.956

