

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at Shady Oak Rd. / CSAH-61

Ref.Pt.: 190.030

Alliant Engineering Inc

TURN MOVEMENT COUNT

File Name : 12_TH 7 at Shady Oak Rd_011211

Site Code : 00000012

Start Date : 1/12/2011

Page No : 1

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Start Time	Shady Oak Rd / CSAH-61 Southbound				TH-7 Westbound				Shady Oak Rd / CSAH-61 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	0	1	28	2	0	14	3	8	0	4	86	24	0	175
06:15	1	9	1	0	5	38	1	0	11	5	6	0	3	106	39	1	226
06:30	1	10	1	0	27	83	2	0	19	11	17	0	3	189	52	0	415
06:45	7	18	7	0	35	115	2	0	29	8	13	0	5	200	73	0	512
Total	10	41	9	0	68	264	7	0	73	27	44	0	15	581	188	1	1328
07:00	4	18	5	0	10	89	1	0	25	8	18	0	2	281	66	0	527
07:15	8	17	3	0	24	125	1	0	34	12	35	0	4	330	71	1	665
07:30	7	19	7	0	28	158	1	0	37	6	29	0	6	380	97	0	775
07:45	10	36	4	0	30	170	0	0	56	10	32	0	7	389	112	0	856
Total	29	90	19	0	92	542	3	0	152	36	114	0	19	1380	346	1	2823
08:00	10	22	2	0	20	178	0	0	33	5	23	0	2	298	82	0	675
08:15	8	23	5	0	24	135	0	0	29	5	25	0	8	306	73	1	642
08:30	9	20	2	0	23	129	3	0	22	17	25	0	2	283	55	0	590
08:45	11	22	6	0	30	147	0	0	34	9	22	0	5	230	73	0	589
Total	38	87	15	0	97	589	3	0	118	36	95	0	17	1117	283	1	2496
09:00	6	8	5	0	13	120	0	0	28	12	23	0	4	206	64	2	491
09:15	6	15	2	0	26	107	1	0	24	9	25	0	1	165	48	0	429
*** BREAK ***																	
Total	12	23	7	0	39	227	1	0	52	21	48	0	5	371	112	2	920
*** BREAK ***																	
10:30	2	12	1	0	23	111	2	0	25	16	12	0	5	161	29	0	399
10:45	2	11	2	0	18	118	4	0	26	17	23	0	7	118	40	0	386
Total	4	23	3	0	41	229	6	0	51	33	35	0	12	279	69	0	785
11:00	1	9	1	0	17	125	4	0	36	7	13	0	4	133	26	0	376
11:15	5	7	1	0	36	120	1	0	34	9	19	0	7	150	39	0	428
11:30	7	10	4	0	23	135	5	0	41	24	20	0	5	152	46	0	472
11:45	5	21	6	0	25	141	6	0	41	14	18	0	5	163	38	0	483
Total	18	47	12	0	101	521	16	0	152	54	70	0	21	598	149	0	1759
12:00	11	20	4	0	14	145	6	0	45	25	23	0	3	147	40	0	483
12:15	8	9	2	0	22	140	6	0	36	15	20	0	5	160	33	0	456
12:30	9	12	1	0	27	150	10	0	38	16	28	0	7	143	34	1	476
12:45	7	15	5	0	26	168	6	0	49	8	25	0	2	171	46	0	528
Total	35	56	12	0	89	603	28	0	168	64	96	0	17	621	153	1	1943
13:00	9	12	2	0	20	132	7	0	41	9	27	0	20	130	50	1	460
13:15	3	10	7	0	26	159	7	1	32	9	27	0	2	155	29	1	468
*** BREAK ***																	
Total	12	22	9	0	46	291	14	1	73	18	54	0	22	285	79	2	928
*** BREAK ***																	
14:30	5	16	0	0	34	205	7	0	50	17	16	0	3	127	24	0	504
14:45	6	17	2	0	30	218	2	0	69	12	28	0	4	141	31	0	560
Total	11	33	2	0	64	423	9	0	119	29	44	0	7	268	55	0	1064
15:00	1	8	2	0	35	183	7	0	56	10	15	0	2	131	40	0	490
15:15	14	10	1	0	24	261	1	0	76	23	36	0	6	192	42	0	686
15:30	6	20	4	0	38	252	7	0	75	12	30	0	5	154	26	0	629
15:45	4	10	2	0	26	252	3	0	77	25	24	0	3	175	27	1	629
Total	25	48	9	0	123	948	18	0	284	70	105	0	16	652	135	1	2434

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Site Code : 00000012

Start Date : 1/12/2011

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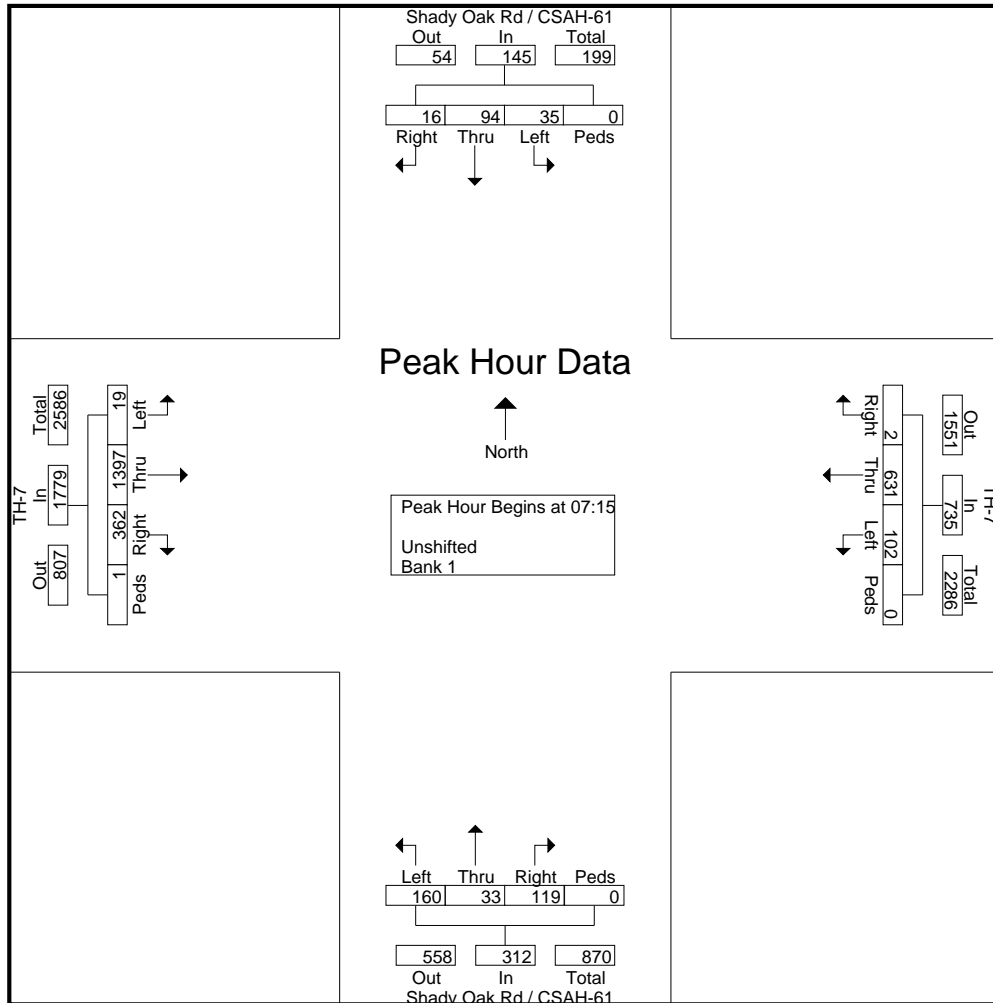
Start Time	Shady Oak Rd / CSAH-61 Southbound				TH-7 Westbound				Shady Oak Rd / CSAH-61 Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	6	18	3	0	30	306	3	0	91	15	29	0	9	232	48	0	790
16:15	5	12	2	0	45	265	4	0	83	23	36	0	3	194	40	1	713
16:30	9	20	1	0	27	256	4	0	92	25	47	0	8	232	32	0	753
16:45	9	18	4	0	42	340	6	0	60	24	26	0	6	255	47	0	837
Total	29	68	10	0	144	1167	17	0	326	87	138	0	26	913	167	1	3093
17:00	6	12	5	0	44	268	3	0	65	37	51	0	7	272	57	0	827
17:15	14	15	1	0	27	323	1	0	73	42	46	0	13	269	50	0	874
17:30	7	17	5	0	47	306	5	0	45	46	30	0	12	293	48	0	861
17:45	3	11	4	0	38	307	1	0	57	39	40	0	11	209	48	0	768
Total	30	55	15	0	156	1204	10	0	240	164	167	0	43	1043	203	0	3330
Grand Total	253	593	122	0	1060	7008	132	1	1808	639	1010	0	220	8108	1939	10	22903
Apprch %	26.1	61.3	12.6	0	12.9	85.5	1.6	0	52.3	18.5	29.2	0	2.1	78.9	18.9	0.1	
Total %	1.1	2.6	0.5	0	4.6	30.6	0.6	0	7.9	2.8	4.4	0	1	35.4	8.5	0	
Unshifted	253	581	120	0	1041	6879	130	1	1785	635	996	0	216	8014	1916	9	22576
% Unshifted	100	98	98.4	0	98.2	98.2	98.5	100	98.7	99.4	98.6	0	98.2	98.8	98.8	90	98.6
Bank 1	0	12	2	0	19	129	2	0	23	4	14	0	4	94	23	1	327
% Bank 1	0	2	1.6	0	1.8	1.8	1.5	0	1.3	0.6	1.4	0	1.8	1.2	1.2	10	1.4

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Start Time	Shady Oak Rd / CSAH-61 Southbound					TH-7 Westbound					Shady Oak Rd / CSAH-61 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 07:15																					
07:15	8	17	3	0	28	24	125	1	0	150	34	12	35	0	81	4	330	71	1	406	665
07:30	7	19	7	0	33	28	158	1	0	187	37	6	29	0	72	6	380	97	0	483	775
07:45	10	36	4	0	50	30	170	0	0	200	56	10	32	0	98	7	389	112	0	508	856
08:00	10	22	2	0	34	20	178	0	0	198	33	5	23	0	61	2	298	82	0	382	675
Total Volume	35	94	16	0	145	102	631	2	0	735	160	33	119	0	312	19	1397	362	1	1779	2971
% App. Total	24.1	64.8	11	0		13.9	85.9	0.3	0		51.3	10.6	38.1	0		1.1	78.5	20.3	0.1		
PHF	.875	.653	.571	.000	.725	.850	.886	.500	.000	.919	.714	.688	.850	.000	.796	.679	.898	.808	.250	.875	.868



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Start Time	Shady Oak Rd / CSAH-61 Southbound					TH-7 Westbound					Shady Oak Rd / CSAH-61 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 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	9	18	4	0	31	42	340	6	0	388	60	24	26	0	110	6	255	47	0	308	837
17:00	6	12	5	0	23	44	268	3	0	315	65	37	51	0	153	7	272	57	0	336	827
17:15	14	15	1	0	30	27	323	1	0	351	73	42	46	0	161	13	269	50	0	332	874
17:30	7	17	5	0	29	47	306	5	0	358	45	46	30	0	121	12	293	48	0	353	861
Total Volume	36	62	15	0	113	160	1237	15	0	1412	243	149	153	0	545	38	1089	202	0	1329	3399
% App. Total	31.9	54.9	13.3	0		11.3	87.6	1.1	0		44.6	27.3	28.1	0		2.9	81.9	15.2	0		
PHF	.643	.861	.750	.000	.911	.851	.910	.625	.000	.910	.832	.810	.750	.000	.846	.731	.929	.886	.000	.941	.972

