

# Alliant Engineering Inc Minneapolis, MN 55415

TH-55 at TH-149, North jct  
Ref.Pt.: 202.160 (TH-55)  
Alliant Engineering Inc  
TURN MOVEMENT COUNT

File Name : 07\_TH 55 at TH 149(N JCT)\_021710  
Site Code : 00000007  
Start Date : 2/17/2010  
Page No : 1

### Groups Printed- Unshifted - Bank 1

Start Time	TH-55 Southbound				TH-149 / Dodd Rd Westbound				TH-55 / TH-149 / Dodd Rd Northbound				Commers Dr - Driveway Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	10	39	2	0	73	3	6	0	0	125	57	0	0	0	0	0	315
06:15	6	55	1	0	77	2	4	0	0	153	74	0	0	1	0	0	373
06:30	16	60	1	0	81	3	6	0	0	192	95	0	0	0	0	0	454
06:45	19	109	3	0	142	12	5	0	3	227	111	0	0	0	1	0	632
Total	51	263	7	0	373	20	21	0	3	697	337	0	0	1	1	0	1774
07:00	14	80	3	0	116	8	11	0	1	284	136	0	0	0	0	0	653
07:15	20	111	3	0	166	4	7	0	2	290	160	0	0	2	0	0	765
07:30	17	144	6	0	153	4	5	0	1	272	180	0	2	1	0	0	785
07:45	30	145	11	0	196	17	21	0	4	270	179	0	0	0	0	0	873
Total	81	480	23	0	631	33	44	0	8	1116	655	0	2	3	0	0	3076
08:00	23	122	8	0	139	17	11	0	3	246	116	0	0	0	0	0	685
08:15	23	131	2	0	145	7	10	0	2	183	116	0	1	0	1	0	621
08:30	16	109	11	0	108	6	9	0	2	165	110	0	0	0	0	0	536
08:45	9	95	6	1	112	5	5	0	3	150	106	0	0	0	0	0	492
Total	71	457	27	1	504	35	35	0	10	744	448	0	1	0	1	0	2334
09:00	14	91	4	0	81	2	10	0	3	123	77	0	0	0	1	0	406
09:15	9	85	3	0	78	7	9	0	2	112	71	0	0	2	2	0	380
*** BREAK ***																	
Total	23	176	7	0	159	9	19	0	5	235	148	0	0	2	3	0	786
*** BREAK ***																	
10:30	16	50	3	0	65	1	7	0	0	75	74	0	4	2	0	0	297
10:45	13	61	1	0	49	0	4	0	0	64	73	0	2	3	2	0	272
Total	29	111	4	0	114	1	11	0	0	139	147	0	6	5	2	0	569
11:00	11	76	2	0	55	1	6	0	1	76	58	0	2	1	1	0	290
11:15	23	66	3	0	54	4	2	0	1	96	73	0	4	1	2	0	329
11:30	20	67	3	0	70	1	13	0	1	81	82	0	2	1	1	0	342
11:45	13	95	2	0	70	5	13	0	1	120	96	0	2	6	1	0	424
Total	67	304	10	0	249	11	34	0	4	373	309	0	10	9	5	0	1385
12:00	26	87	6	0	70	4	8	0	3	92	85	0	4	5	2	1	393
12:15	19	80	4	0	63	5	13	0	0	99	69	0	2	1	2	0	357
12:30	24	83	6	0	84	1	16	0	0	90	74	1	0	1	3	0	383
12:45	11	82	6	0	51	2	7	0	2	100	72	0	4	2	3	0	342
Total	80	332	22	0	268	12	44	0	5	381	300	1	10	9	10	1	1475
13:00	11	81	9	0	65	1	11	0	0	88	88	0	3	4	2	0	363
13:15	12	87	4	0	49	5	18	0	3	106	55	0	5	3	2	0	349
*** BREAK ***																	
Total	23	168	13	0	114	6	29	0	3	194	143	0	8	7	4	0	712
*** BREAK ***																	
14:30	23	95	1	0	84	1	3	0	1	99	101	0	2	1	1	0	412
14:45	17	116	1	0	67	3	9	0	0	88	100	0	3	0	1	0	405
Total	40	211	2	0	151	4	12	0	1	187	201	0	5	1	2	0	817
15:00	17	113	2	0	73	1	8	0	1	110	136	0	3	4	2	0	470
15:15	13	115	3	0	53	3	5	0	0	89	110	0	1	2	2	0	396
15:30	21	160	5	0	98	3	6	0	3	113	135	0	1	6	3	0	554
15:45	21	158	0	0	79	1	6	0	0	126	105	0	2	3	3	0	504
Total	72	546	10	0	303	8	25	0	4	438	486	0	7	15	10	0	1924

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### Groups Printed- Unshifted - Bank 1

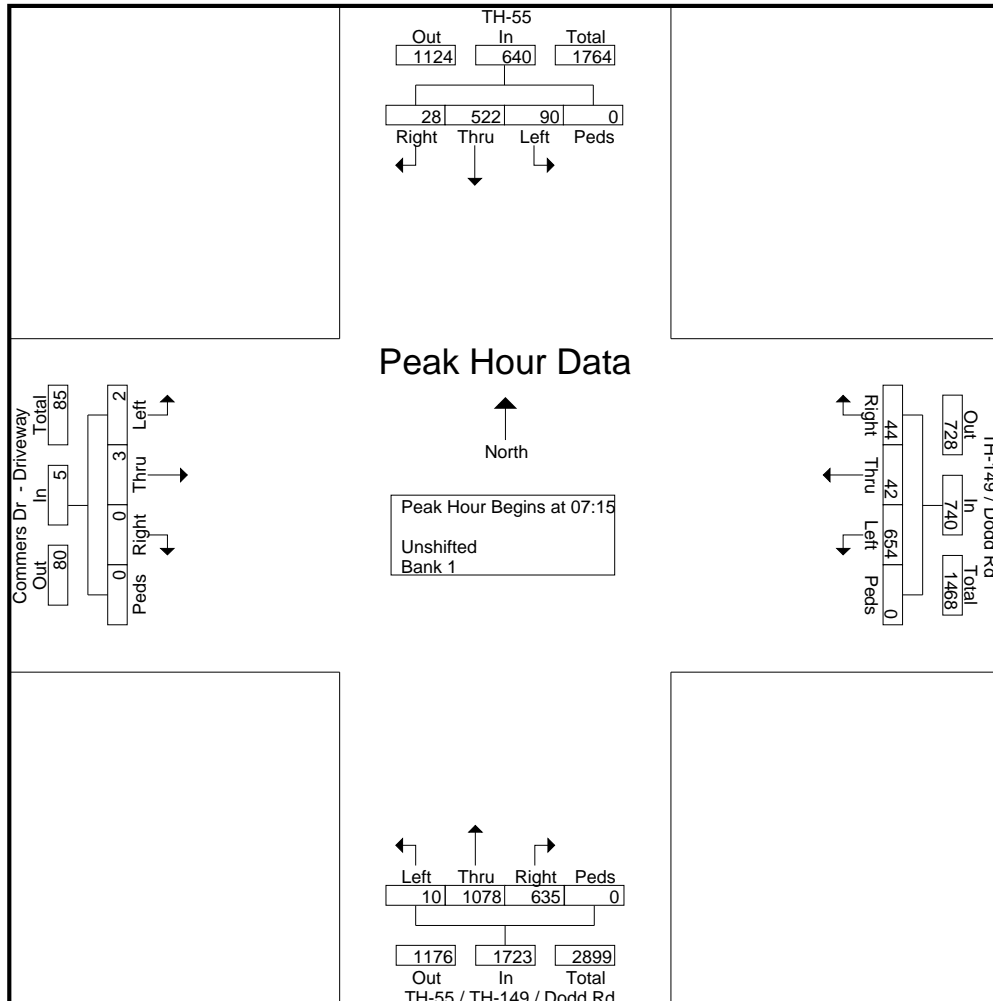
Start Time	TH-55 Southbound				TH-149 / Dodd Rd Westbound				TH-55 / TH-149 / Dodd Rd Northbound				Commers Dr - Driveway Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	18	147	3	0	104	0	12	0	0	133	147	0	1	6	0	0	571
16:15	21	181	0	0	99	1	9	0	1	157	166	0	1	6	1	0	643
16:30	21	247	6	0	120	2	8	0	0	145	166	0	7	9	4	0	735
16:45	18	238	1	0	104	1	9	0	1	171	169	2	5	6	2	0	727
Total	78	813	10	0	427	4	38	0	2	606	648	2	14	27	7	0	2676
17:00	32	260	4	0	131	2	5	0	0	193	174	0	10	16	1	0	828
17:15	21	222	0	0	130	3	6	0	1	166	154	0	0	7	2	0	712
17:30	22	183	2	0	128	1	7	0	1	133	150	0	0	8	0	0	635
17:45	6	181	0	0	111	2	5	0	1	127	131	1	3	5	1	0	574
Total	81	846	6	0	500	8	23	0	3	619	609	1	13	36	4	0	2749
Grand Total	696	4707	141	1	3793	151	335	0	48	5729	4431	4	76	115	49	1	20277
Apprch %	12.6	84.9	2.5	0	88.6	3.5	7.8	0	0.5	56.1	43.4	0	31.5	47.7	20.3	0.4	
Total %	3.4	23.2	0.7	0	18.7	0.7	1.7	0	0.2	28.3	21.9	0	0.4	0.6	0.2	0	
Unshifted	671	4580	133	1	3623	127	311	0	42	5562	4249	4	71	109	46	1	19530
% Unshifted	96.4	97.3	94.3	100	95.5	84.1	92.8	0	87.5	97.1	95.9	100	93.4	94.8	93.9	100	96.3
Bank 1	25	127	8	0	170	24	24	0	6	167	182	0	5	6	3	0	747
% Bank 1	3.6	2.7	5.7	0	4.5	15.9	7.2	0	12.5	2.9	4.1	0	6.6	5.2	6.1	0	3.7

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Start Time	TH-55 Southbound					TH-149 / Dodd Rd Westbound					TH-55 / TH-149 / Dodd Rd Northbound					Commers Dr - Driveway 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	20	111	3	0	134	166	4	7	0	177	2	290	160	0	452	0	2	0	0	2	765
07:30	17	144	6	0	167	153	4	5	0	162	1	272	180	0	453	2	1	0	0	3	785
07:45	30	145	11	0	186	196	17	21	0	234	4	270	179	0	453	0	0	0	0	0	873
08:00	23	122	8	0	153	139	17	11	0	167	3	246	116	0	365	0	0	0	0	0	685
Total Volume	90	522	28	0	640	654	42	44	0	740	10	1078	635	0	1723	2	3	0	0	5	3108
% App. Total	14.1	81.6	4.4	0		88.4	5.7	5.9	0		0.6	62.6	36.9	0		40	60	0	0		
PHF	.750	.900	.636	.000	.860	.834	.618	.524	.000	.791	.625	.929	.882	.000	.951	.250	.375	.000	.000	.417	.890



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Start Time	TH-55 Southbound					TH-149 / Dodd Rd Westbound					TH-55 / TH-149 / Dodd Rd Northbound					Commers Dr - Driveway 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	21	247	6	0	274	120	2	8	0	130	0	145	166	0	311	7	9	4	0	20	735
16:45	18	238	1	0	257	104	1	9	0	114	1	171	169	2	343	5	6	2	0	13	727
17:00	32	260	4	0	296	131	2	5	0	138	0	193	174	0	367	10	16	1	0	27	828
17:15	21	222	0	0	243	130	3	6	0	139	1	166	154	0	321	0	7	2	0	9	712
Total Volume	92	967	11	0	1070	485	8	28	0	521	2	675	663	2	1342	22	38	9	0	69	3002
% App. Total	8.6	90.4	1	0		93.1	1.5	5.4	0		0.1	50.3	49.4	0.1		31.9	55.1	13	0		
PHF	.719	.930	.458	.000	.904	.926	.667	.778	.000	.937	.500	.874	.953	.250	.914	.550	.594	.563	.000	.639	.906

