

Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 105th Ave NE
Ref.Pt.: 012.917
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 15 - TH 65 & 105th Av, 10-25-11
Site Code : 15
Start Date : 10/25/2011
Page No : 1

Groups Printed- Cars + - Trucks

Start Time	TH-65 / Central Ave NE Southbound					105th Ave NE Westbound					TH-65 / Central Ave NE Northbound					104th Way NE Eastbound					Int. Total	
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds		
06:00	0	11	680	0	0	0	17	0	0	0	1	2	79	16	0	0	1	0	0	0	0	807
06:15	0	18	560	0	0	0	23	0	3	0	1	1	113	13	0	0	2	3	1	0	0	738
06:30	0	6	773	1	0	0	93	0	2	0	1	0	162	19	0	0	1	0	0	0	0	1058
06:45	1	21	736	2	0	0	95	2	2	0	0	5	191	25	0	0	4	5	1	0	0	1090
Total	1	56	2749	3	0	0	228	2	7	0	3	8	545	73	0	0	8	8	2	0	0	3693
07:00	1	15	724	1	0	1	83	1	3	0	0	3	138	13	0	0	3	1	2	0	0	989
07:15	1	13	689	1	0	0	88	4	3	0	0	1	196	22	0	0	0	0	1	0	0	1019
07:30	0	35	630	0	0	0	103	4	5	0	2	8	200	20	0	0	5	5	0	0	0	1017
07:45	0	38	690	0	0	0	92	5	3	0	0	10	198	20	1	0	3	3	0	0	0	1063
Total	2	101	2733	2	0	1	366	14	14	0	2	22	732	75	1	0	11	9	3	0	0	4088
08:00	1	54	559	1	0	0	96	1	8	0	0	2	200	17	0	0	1	2	1	0	0	943
08:15	0	14	535	1	0	0	53	7	10	0	4	3	174	21	0	0	3	3	0	0	0	828
08:30	3	13	530	0	0	1	57	1	4	0	3	0	207	17	0	0	4	2	1	0	0	843
08:45	0	27	454	2	0	0	54	0	9	0	5	11	223	21	0	0	2	3	5	0	0	816
Total	4	108	2078	4	0	1	260	9	31	0	12	16	804	76	0	0	10	10	7	0	0	3430
09:00	6	30	401	1	0	0	51	2	9	0	5	10	209	16	0	0	4	1	5	0	0	750
09:15	7	24	416	1	0	0	56	3	4	0	5	8	222	21	0	0	6	2	5	0	0	780
Total	13	54	817	2	0	0	107	5	13	0	10	18	431	37	0	0	10	3	10	0	0	1530
10:30	1	29	310	0	0	0	40	0	5	0	4	4	231	11	0	0	6	2	4	0	0	647
10:45	1	40	260	0	0	6	28	2	6	0	6	16	278	10	0	0	5	3	3	0	0	664
Total	2	69	570	0	0	6	68	2	11	0	10	20	509	21	0	0	11	5	7	0	0	1311
11:00	2	28	308	1	0	1	62	4	10	0	15	6	264	18	0	0	9	4	7	0	0	739
11:15	2	38	260	0	0	4	24	3	7	0	6	12	264	34	0	0	7	2	2	0	0	665
11:30	1	32	282	0	0	0	53	4	19	0	8	12	267	26	0	0	4	2	12	0	0	722
11:45	5	51	252	0	0	0	58	3	19	0	3	16	318	39	0	0	4	4	5	0	0	777
Total	10	149	1102	1	0	5	197	14	55	0	32	46	1113	117	0	0	24	12	26	0	0	2903
12:00	7	50	302	0	0	2	64	2	16	0	5	13	286	19	0	0	8	2	5	0	0	781
12:15	3	35	268	1	0	1	41	3	16	1	10	16	312	20	2	0	7	3	10	0	0	749
12:30	0	33	303	0	0	0	60	7	20	0	8	9	332	29	1	0	5	3	5	0	0	815
12:45	2	47	241	0	0	0	53	1	18	0	5	14	293	40	0	0	6	5	5	0	0	730
Total	12	165	1114	1	0	3	218	13	70	1	28	52	1223	108	3	0	26	13	25	0	0	3075
13:00	2	41	272	0	0	1	66	2	12	0	9	12	318	21	1	0	7	6	9	0	0	779
13:15	5	52	310	0	0	0	57	5	12	0	6	8	315	27	0	0	4	6	9	0	0	816
Total	7	93	582	0	0	1	123	7	24	0	15	20	633	48	1	0	11	12	18	0	0	1595
14:30	0	15	318	1	0	0	48	3	15	0	7	15	479	20	0	0	5	7	6	0	0	939
14:45	5	32	212	1	1	0	51	1	21	1	7	15	488	29	0	0	7	2	0	0	0	873
Total	5	47	530	2	1	0	99	4	36	1	14	30	967	49	0	0	12	9	6	0	0	1812
15:00	0	41	312	1	0	0	81	6	12	0	4	19	535	26	0	0	6	2	6	0	0	1051
15:15	4	21	280	3	0	0	71	9	20	0	5	8	533	24	0	0	12	2	5	0	0	997
15:30	5	29	273	1	0	0	75	2	18	0	6	14	571	27	0	0	13	5	7	0	0	1046
15:45	2	28	293	1	0	0	69	2	19	0	2	18	612	53	0	0	5	1	1	0	0	1106
Total	11	119	1158	6	0	0	296	19	69	0	17	59	2251	130	0	0	36	10	19	0	0	4200
16:00	0	12	275	1	0	0	73	2	33	0	5	14	585	24	0	0	9	5	8	0	0	1046
16:15	3	18	286	2	0	0	63	9	18	0	2	14	617	32	0	0	16	3	2	0	0	1085
16:30	12	21	358	0	0	0	97	2	45	0	5	10	591	24	0	2	14	4	6	0	0	1191
16:45	6	32	346	1	0	0	80	3	29	1	3	11	623	23	0	0	9	8	1	0	0	1176
Total	21	83	1265	4	0	0	313	16	125	1	15	49	2416	103	0	2	48	20	17	0	0	4498
17:00	7	31	340	0	0	0	65	4	36	0	6	8	600	16	0	0	7	3	8	0	0	1131
17:15	1	29	334	2	0	0	64	2	35	0	3	5	656	23	0	0	14	1	6	0	0	1175
17:30	6	47	323	1	0	0	76	2	30	0	4	13	542	28	0	0	10	0	4	0	0	1086
17:45	4	48	297	0	0	0	68	4	21	0	5	5	526	33	0	0	5	3	6	0	0	1025
Total	18	155	1294	3	0	0	273	12	122	0	18	31	2324	100	0	0	36	7	24	0	0	4417
Grand Total	106	1199	15992	28	1	17	2548	117	577	3	176	371	13948	937	5	2	243	118	164	0	0	36552
Approch %	0.6	6.9	92.3	0.2	0	0.5	78.1	3.6	17.7	0.1	1.1	2.4	90.4	6.1	0	0.4	46.1	22.4	31.1	0	0	0
Total %	0.3	3.3	43.8	0.1	0	0	7	0.3	1.6	0	0.5	1	38.2	2.6	0	0	0.7	0.3	0.4	0	0	0
Cars +	100	1156	15429	26	1	17	2413	109	560	1	169	348	13402	871	4	2	234	117	142	0	0	35101
% Cars +	94.3	96.4	96.5	92.9	100	100	94.7	93.2	97.1	33.3	96	93.8	96.1	93	80	100	96.3	99.2	86.6	0	0	96
Trucks	6	43	563	2	0	0	135	8	17	2	7	23	546	66	1	0	9	1	22	0	0	1451
% Trucks	5.7	3.6	3.5	7.1	0	0	5.3	6.8	2.9	66.7	4	6.2	3.9	7	20	0	3.7	0.8	13.4	0	0	4

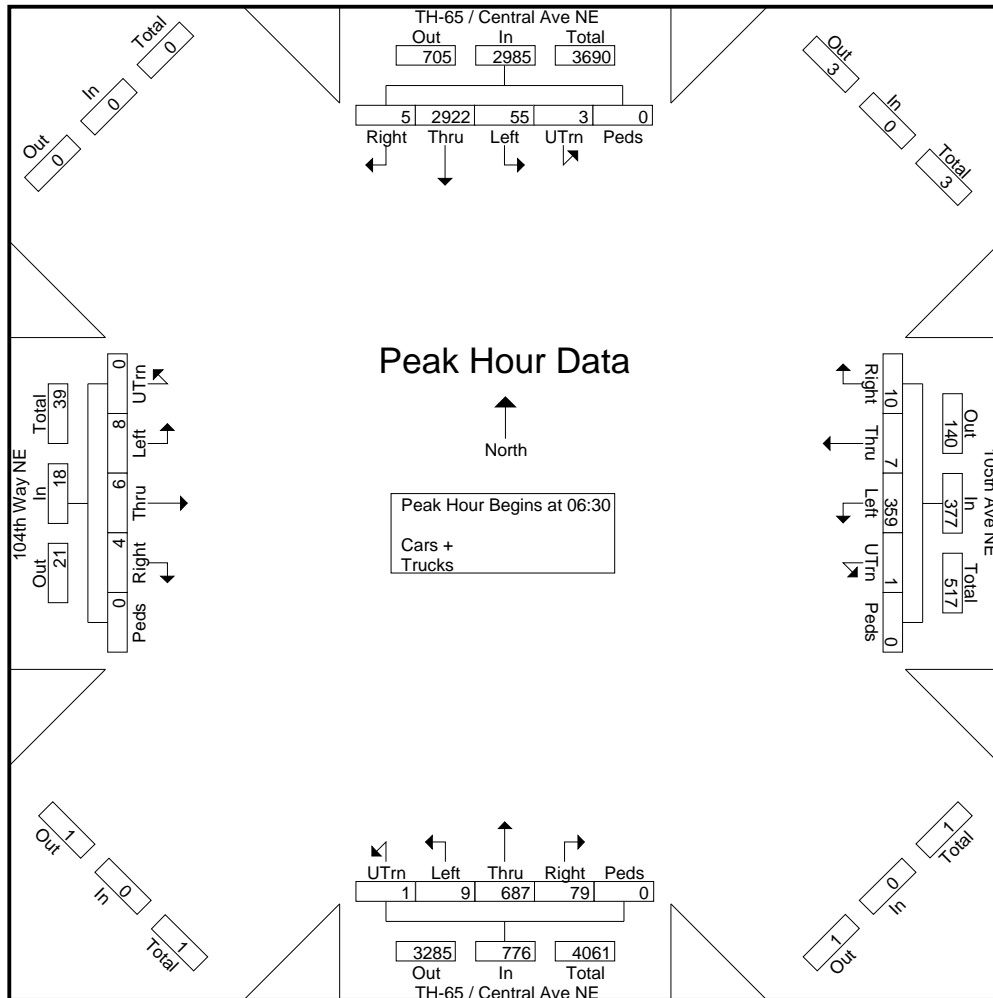
Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 105th Ave NE
Ref.Pt.: 012.917
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 15 - TH 65 & 105th Av, 10-25-11
Site Code : 15
Start Date : 10/25/2011
Page No : 2

Start Time	TH-65 / Central Ave NE Southbound					105th Ave NE Westbound					TH-65 / Central Ave NE Northbound					104th Way NE Eastbound					Int. Total				
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left		Thru	Right	Peds	App. Total
06:30	0	6	773	1	0	780	0	93	0	2	0	95	1	0	162	19	0	182	0	1	0	0	0	1	1058
06:45	1	21	736	2	0	760	0	95	2	2	0	99	0	5	191	25	0	221	0	4	5	1	0	10	1090
07:00	1	15	724	1	0	741	1	83	1	3	0	88	0	3	138	13	0	154	0	3	1	2	0	6	989
07:15	1	13	689	1	0	704	0	88	4	3	0	95	0	1	196	22	0	219	0	0	0	1	0	1	1019
Total Volume	3	55	2922	5	0	2985	1	359	7	10	0	377	1	9	687	79	0	776	0	8	6	4	0	18	4156
% App. Total	0.1	1.8	97.9	0.2	0		0.3	95.2	1.9	2.7	0		0.1	1.2	88.5	10.2	0		0	44.4	33.3	22.2	0		
PHF	.750	.655	.945	.625	.000	.957	.250	.945	.438	.833	.000	.952	.250	.450	.876	.790	.000	.878	.000	.500	.300	.500	.000	.450	.953

Peak Hour Analysis From 06:00 to 09:15 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 06:30



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 Site Code : 15
 Start Date : 10/25/2011
 Page No : 3

Start Time	TH-65 / Central Ave NE Southbound						105th Ave NE Westbound						TH-65 / Central Ave NE Northbound						104th Way NE Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	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 16:30																									
16:30	12	21	358	0	0	391	0	97	2	45	0	144	5	10	591	24	0	630	2	14	4	6	0	26	1191
16:45	6	32	346	1	0	385	0	80	3	29	1	113	3	11	623	23	0	660	0	9	8	1	0	18	1176
17:00	7	31	340	0	0	378	0	65	4	36	0	105	6	8	600	16	0	630	0	7	3	8	0	18	1131
17:15	1	29	334	2	0	366	0	64	2	35	0	101	3	5	656	23	0	687	0	14	1	6	0	21	1175
Total Volume	26	113	1378	3	0	1520	0	306	11	145	1	463	17	34	2470	86	0	2607	2	44	16	21	0	83	4673
% App. Total	1.7	7.4	90.7	0.2	0		0	66.1	2.4	31.3	0.2		0.7	1.3	94.7	3.3	0		2.4	53	19.3	25.3	0		
PHF	.542	.883	.962	.375	.000	.972	.000	.789	.688	.806	.250	.804	.708	.773	.941	.896	.000	.949	.250	.786	.500	.656	.000	.798	.981

