

# Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 85th Ave NE / CSAH-32  
Ref.Pt.: 010.410  
data by Alliant Inc.  
TURN MOVEMENT COUNT

File Name : 9 - TH 65 & 85th Av, 10-25-11  
Site Code : 9  
Start Date : 10/25/2011  
Page No : 1

Groups Printed- Cars + - Trucks

Start Time	TH-65 /Central Ave NE Southbound					85th Ave NE / CSAH-32 Westbound					TH-65 /Central Ave NE Northbound					85th Ave 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	1	3	366	0	0	0	20	0	3	0	0	0	51	16	0	0	0	0	0	0	0	460
06:15	0	5	475	0	0	0	36	1	2	0	0	1	74	14	0	0	0	0	0	0	0	608
06:30	0	6	572	1	0	0	87	3	4	0	0	1	116	21	0	0	0	1	2	0	814	
06:45	0	17	679	0	0	0	89	1	11	0	0	2	95	28	0	0	0	2	2	0	926	
Total	1	31	2092	1	0	0	232	5	20	0	0	4	336	79	0	0	0	3	4	0	2808	
07:00	0	7	720	0	0	0	73	3	11	0	0	0	113	28	0	0	2	1	7	0	965	
07:15	0	11	658	4	0	0	110	10	2	0	0	2	156	35	0	0	4	5	7	0	1004	
07:30	0	16	715	3	0	0	119	8	7	0	0	3	192	41	0	0	2	2	3	0	1111	
07:45	0	29	651	0	0	0	114	1	9	0	0	1	143	41	0	0	0	5	6	0	1000	
Total	0	63	2744	7	0	0	416	22	29	0	0	6	604	145	0	0	8	13	23	0	4080	
08:00	0	20	646	1	0	0	56	8	11	1	0	4	142	51	0	0	2	0	4	0	946	
08:15	0	17	468	0	0	0	102	8	6	0	0	4	172	45	0	0	2	4	4	0	832	
08:30	2	23	406	2	0	0	69	3	6	0	0	5	149	38	0	0	2	1	5	0	711	
08:45	0	24	363	1	0	0	60	4	19	0	1	4	158	37	0	0	3	6	2	0	682	
Total	2	84	1883	4	0	0	287	23	42	1	1	17	621	171	0	0	9	11	15	0	3171	
09:00	1	24	294	1	0	0	46	2	15	0	0	3	142	33	0	0	3	1	3	0	568	
09:15	0	22	280	0	1	0	55	1	15	0	0	4	181	48	0	0	2	1	2	0	612	
Total	1	46	574	1	1	0	101	3	30	0	0	7	323	81	0	0	5	2	5	0	1180	
10:30	0	24	237	2	0	0	37	3	19	0	1	2	165	32	0	0	1	0	5	0	528	
10:45	0	22	211	1	0	0	48	3	15	0	0	3	188	39	0	0	3	1	2	0	536	
Total	0	46	448	3	0	0	85	6	34	0	1	5	353	71	0	0	4	1	7	0	1064	
11:00	1	18	202	34	0	0	47	3	19	0	1	5	178	33	0	0	3	1	1	0	546	
11:15	0	28	264	0	0	0	63	7	10	0	0	6	229	46	0	0	1	2	7	0	663	
11:30	0	22	198	15	1	0	60	2	22	0	1	17	243	35	0	0	5	3	2	0	626	
11:45	0	22	241	4	0	0	49	2	28	1	0	12	210	35	0	0	5	2	15	0	626	
Total	1	90	905	53	1	0	219	14	79	1	2	40	860	149	0	0	14	8	25	0	2461	
12:00	0	28	278	11	0	0	51	2	23	0	1	17	241	45	0	0	5	3	6	0	711	
12:15	1	26	214	2	2	0	55	6	19	0	0	12	216	27	0	1	14	6	10	0	611	
12:30	1	27	264	5	0	0	50	3	16	0	0	7	243	44	0	0	10	4	16	0	690	
12:45	0	30	233	2	1	0	33	6	20	0	0	9	245	64	0	0	11	5	13	0	672	
Total	2	111	989	20	3	0	189	17	78	0	1	45	945	180	0	1	40	18	45	0	2684	
13:00	0	27	237	2	0	0	49	4	20	0	0	8	235	53	0	0	9	3	8	0	655	
13:15	0	30	236	3	1	0	56	8	19	0	0	4	225	48	0	0	2	3	8	0	643	
Total	0	57	473	5	1	0	105	12	39	0	0	12	460	101	0	0	11	6	16	0	1298	
14:30	1	39	296	0	0	0	59	3	17	0	0	9	454	43	0	0	0	2	7	0	930	
14:45	0	15	238	1	1	1	42	3	22	0	0	3	394	45	0	0	4	5	8	0	782	
Total	1	54	534	1	1	1	101	6	39	0	0	12	848	88	0	0	4	7	15	0	1712	
15:00	0	29	281	0	0	0	55	3	19	0	2	9	547	41	0	0	1	4	4	0	995	
15:15	2	31	238	0	0	0	56	15	20	0	2	8	471	36	0	0	2	5	12	0	898	
15:30	0	27	271	4	1	0	62	4	14	0	1	6	531	38	0	0	6	4	14	0	983	
15:45	2	13	260	0	0	0	72	4	18	0	1	5	513	53	0	0	3	3	4	0	951	
Total	4	100	1050	4	1	0	245	26	71	0	6	28	2062	168	0	0	12	16	34	0	3827	
16:00	0	22	257	1	0	0	60	11	11	0	0	9	583	57	1	0	2	3	8	0	1025	
16:15	2	32	247	1	1	0	70	3	21	0	2	6	520	33	0	0	3	2	5	0	948	
16:30	0	11	249	4	0	0	43	7	15	0	0	5	569	74	0	1	4	1	5	0	988	
16:45	0	10	295	3	0	0	63	13	12	0	1	10	636	44	0	0	3	3	7	0	1100	
Total	2	75	1048	9	1	0	236	34	59	0	3	30	2308	208	1	1	12	9	25	0	4061	
17:00	2	32	224	3	0	0	72	11	16	0	0	2	621	54	0	0	4	3	8	0	1052	
17:15	0	28	275	4	0	0	71	8	22	0	0	6	594	57	0	0	4	2	4	0	1075	
17:30	0	22	297	5	0	0	54	11	12	0	0	5	469	45	0	0	3	3	6	0	932	
17:45	0	16	239	1	0	0	55	6	7	0	0	9	437	57	0	0	3	1	6	0	837	
Total	2	98	1035	13	0	0	252	36	57	0	0	22	2121	213	0	0	14	9	24	0	3896	
Grand Total	16	855	13775	121	9	1	2468	204	577	2	14	228	11841	1654	1	2	133	103	238	0	32242	
Apprch %	0.1	5.8	93.2	0.8	0.1	0	75.9	6.3	17.7	0.1	0.1	1.7	86.2	12	0	0.4	27.9	21.6	50	0		
Total %	0	2.7	42.7	0.4	0	0	7.7	0.6	1.8	0	0	0.7	36.7	5.1	0	0	0.4	0.3	0.7	0		
Cars +	15	777	13319	112	4	1	2353	185	533	1	14	222	11379	1553	1	0	80	94	226	0	30869	
% Cars +	93.8	90.9	96.7	92.6	44.4	100	95.3	90.7	92.4	50	100	97.4	96.1	93.9	100	0	60.2	91.3	95	0	95.7	
Trucks	1	78	456	9	5	0	115	19	44	1	0	6	462	101	0	2	53	9	12	0	1373	
% Trucks	6.2	9.1	3.3	7.4	55.6	0	4.7	9.3	7.6	50	0	2.6	3.9	6.1	0	100	39.8	8.7	5	0	4.3	

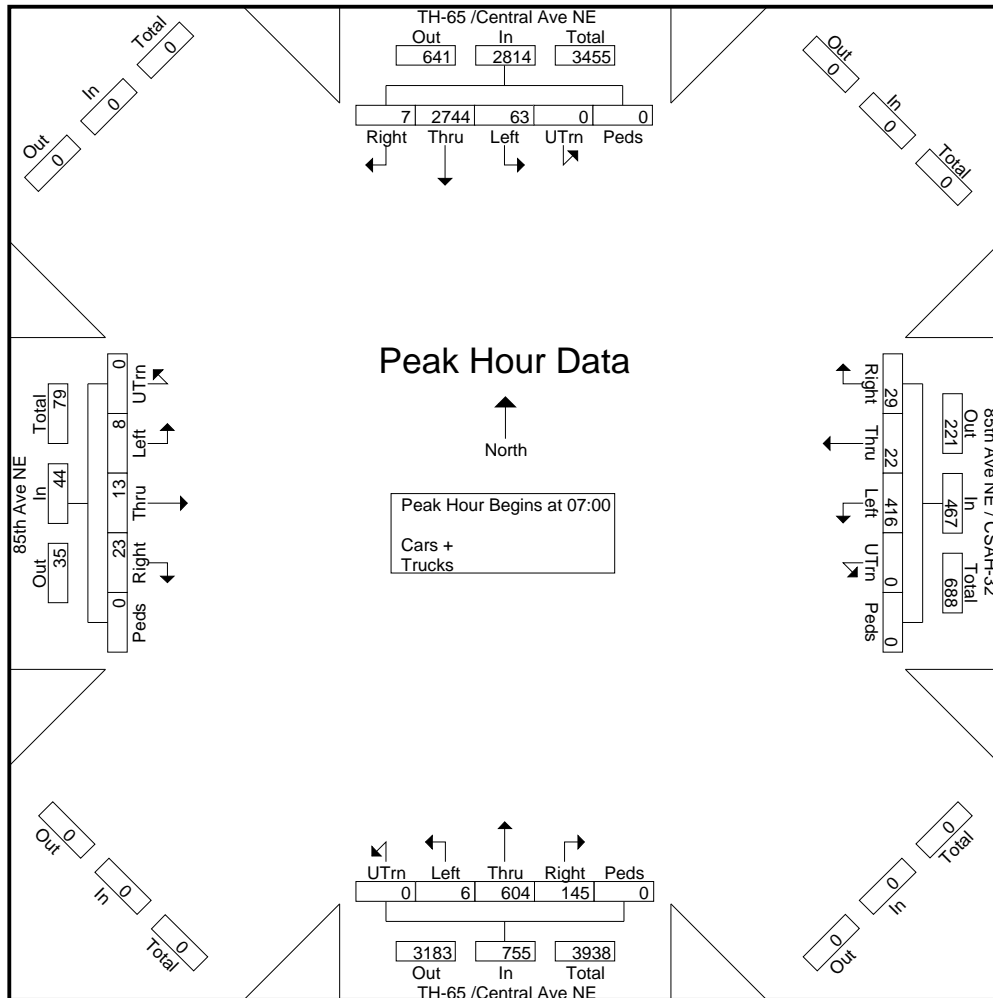
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TH-65 at 85th Ave NE / CSAH-32  
 Ref.Pt.: 010.410  
 data by Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 9 - TH 65 & 85th Av, 10-25-11  
 Site Code : 9  
 Start Date : 10/25/2011  
 Page No : 2

Start Time	TH-65 /Central Ave NE Southbound					85th Ave NE / CSAH-32 Westbound					TH-65 /Central Ave NE Northbound					85th Ave 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
07:00	0	7	720	0	0	727	0	73	3	11	0	87	0	0	113	28	0	141	0	2	1	7	0	10	965
07:15	0	11	658	4	0	673	0	110	10	2	0	122	0	2	156	35	0	193	0	4	5	7	0	16	1004
07:30	0	16	715	3	0	734	0	119	8	7	0	134	0	3	192	41	0	236	0	2	2	3	0	7	1111
07:45	0	29	651	0	0	680	0	114	1	9	0	124	0	1	143	41	0	185	0	0	5	6	0	11	1000
Total Volume	0	63	2744	7	0	2814	0	416	22	29	0	467	0	6	604	145	0	755	0	8	13	23	0	44	4080
% App. Total	0	2.2	97.5	0.2	0		0	89.1	4.7	6.2	0		0	0.8	80	19.2	0		0	18.2	29.5	52.3	0		
PHF	.000	.543	.953	.438	.000	.958	.000	.874	.550	.659	.000	.871	.000	.500	.786	.884	.000	.800	.000	.500	.650	.821	.000	.688	.918

Peak Hour Analysis From 06:00 to 09:15 - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:00



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 Page No : 3

Start Time	TH-65 /Central Ave NE Southbound						85th Ave NE / CSAH-32 Westbound						TH-65 /Central Ave NE Northbound						85th Ave 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	0	11	249	4	0	264	0	43	7	15	0	65	0	5	569	74	0	648	1	4	1	5	0	11	988
16:45	0	10	295	3	0	308	0	63	13	12	0	88	1	10	636	44	0	691	0	3	3	7	0	13	1100
17:00	2	32	224	3	0	261	0	72	11	16	0	99	0	2	621	54	0	677	0	4	3	8	0	15	1052
17:15	0	28	275	4	0	307	0	71	8	22	0	101	0	6	594	57	0	657	0	4	2	4	0	10	1075
Total Volume	2	81	1043	14	0	1140	0	249	39	65	0	353	1	23	2420	229	0	2673	1	15	9	24	0	49	4215
% App. Total	0.2	7.1	91.5	1.2	0		0	70.5	11	18.4	0		0	0.9	90.5	8.6	0		2	30.6	18.4	49	0		
PHF	.250	.633	.884	.875	.000	.925	.000	.865	.750	.739	.000	.874	.250	.575	.951	.774	.000	.967	.250	.938	.750	.750	.000	.817	.958

