

Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 89th Ave NE
Ref.Pt.: 010.896
data by Alliant Inc
TURN MOVEMENT COUNT

File Name : 10 - TH 65 & 89th Av, 10-25-11
Site Code : 10
Start Date : 10/25/2011
Page No : 1

Groups Printed- Cars + - Trucks

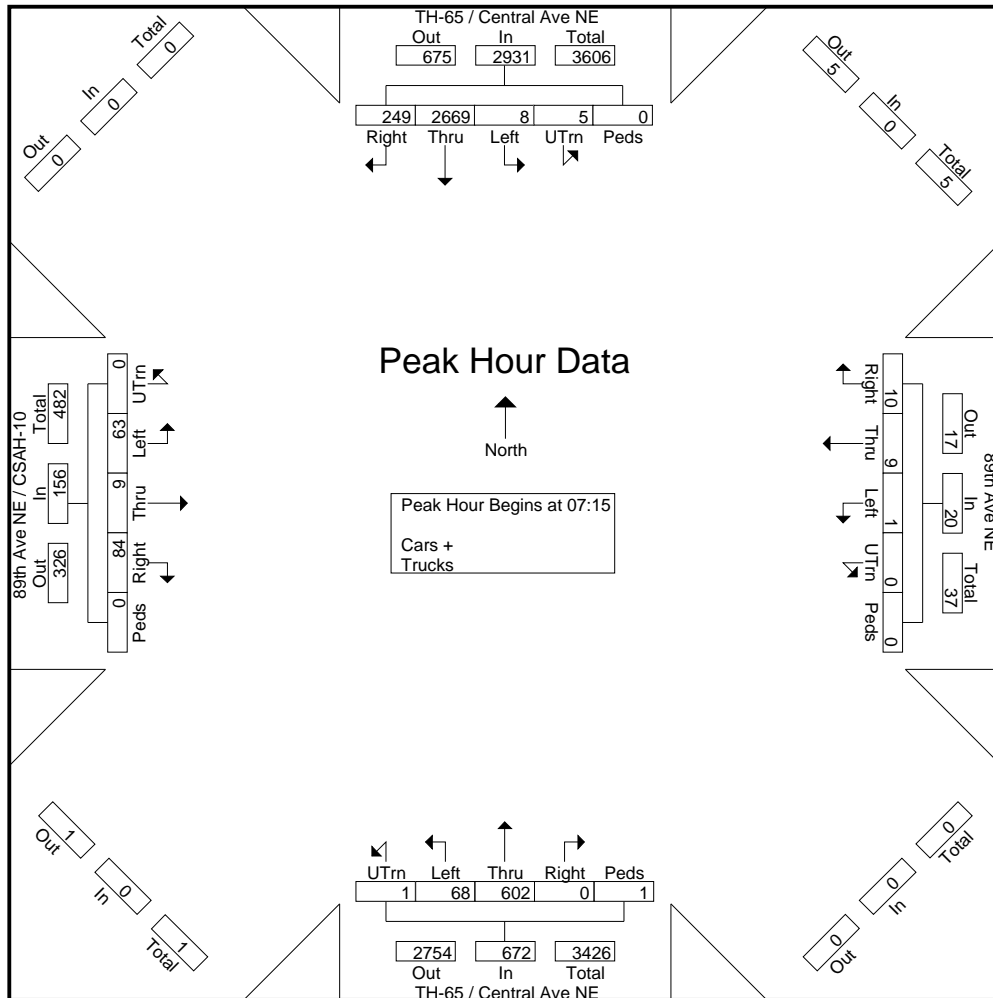
Start Time	TH-65 / Central Ave NE Southbound					89th Ave NE Westbound					TH-65 / Central Ave NE Northbound					89th Ave NE / CSAH-10 Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
06:00	0	0	357	4	0	0	0	1	1	0	0	2	52	0	0	0	12	1	12	0	442
06:15	1	0	470	7	0	0	0	2	1	0	0	2	74	0	0	0	7	1	10	0	575
06:30	0	1	547	21	1	0	0	0	1	0	0	8	112	0	1	0	13	1	32	0	738
06:45	1	2	671	24	0	0	0	4	2	0	1	8	98	0	0	0	15	0	25	0	851
Total	2	3	2045	56	1	0	0	7	5	0	1	20	336	0	1	0	47	3	79	0	2606
07:00	0	2	702	30	1	0	2	2	3	0	0	12	114	0	0	0	12	3	23	0	906
07:15	1	1	650	39	0	0	0	4	0	0	0	8	154	0	1	0	16	2	23	0	899
07:30	1	5	713	66	0	0	0	2	2	0	0	25	176	0	0	0	18	4	21	0	1033
07:45	2	1	659	74	0	0	0	2	3	0	0	15	137	0	0	0	17	3	21	0	934
Total	4	9	2724	209	1	0	2	10	8	0	0	60	581	0	1	0	63	12	88	0	3772
08:00	1	1	647	70	0	0	1	1	5	0	1	20	135	0	0	0	12	0	19	0	913
08:15	0	2	458	65	0	0	0	0	1	2	1	19	160	1	0	0	10	2	27	1	749
08:30	0	5	404	53	0	0	0	3	4	0	0	23	134	0	0	0	30	5	27	0	688
08:45	0	3	359	65	0	0	0	4	4	0	0	21	158	1	0	0	30	1	29	0	675
Total	1	11	1868	253	0	0	1	8	14	2	2	83	587	2	0	0	82	8	102	1	3025
09:00	0	4	302	37	1	0	0	1	1	0	1	13	146	1	0	0	30	0	17	0	554
09:15	0	3	280	32	0	0	0	1	2	0	0	9	189	0	0	0	35	6	22	0	579
Total	0	7	582	69	1	0	0	2	3	0	1	22	335	1	0	0	65	6	39	0	1133
10:30	0	1	254	27	0	0	0	0	1	0	0	10	175	0	0	0	37	0	9	0	514
10:45	0	5	220	39	0	0	0	1	4	0	0	17	189	0	0	0	37	1	14	0	527
Total	0	6	474	66	0	0	0	1	5	0	0	27	364	0	0	0	74	1	23	0	1041
11:00	0	8	236	25	0	0	0	2	4	0	1	16	184	0	0	0	36	2	18	0	532
11:15	3	3	269	30	0	0	0	1	3	0	0	9	231	0	0	0	38	1	23	0	611
11:30	1	4	217	37	0	0	0	1	3	0	0	11	259	0	0	0	40	3	18	1	595
11:45	1	6	251	50	0	0	1	3	3	1	1	15	228	0	0	0	54	9	15	0	638
Total	5	21	973	142	0	0	1	7	13	1	2	51	902	0	0	0	168	15	74	1	2376
12:00	2	7	288	42	0	0	1	0	5	0	1	12	257	0	0	0	59	1	28	0	703
12:15	1	9	223	45	0	0	0	3	0	0	1	12	236	1	0	0	44	7	19	0	601
12:30	0	3	271	41	0	0	0	1	1	0	1	19	250	0	0	0	60	3	25	0	675
12:45	1	5	238	48	1	0	0	2	1	0	0	16	260	0	0	0	43	1	27	0	643
Total	4	24	1020	176	1	0	1	6	7	0	3	59	1003	1	0	0	206	12	99	0	2622
13:00	0	9	245	38	0	0	0	2	3	0	0	22	242	0	0	0	52	4	21	0	638
13:15	1	3	247	37	0	0	1	1	1	0	1	10	235	1	0	0	44	6	21	1	610
Total	1	12	492	75	0	0	1	3	4	0	1	32	477	1	0	0	96	10	42	1	1248
14:30	1	0	317	28	0	0	0	1	2	0	1	27	444	0	0	0	27	0	18	1	867
14:45	1	5	235	50	0	0	0	1	1	0	0	26	393	1	0	0	44	4	19	0	780
Total	2	5	552	78	0	0	0	2	3	0	1	53	837	1	0	0	71	4	37	1	1647
15:00	1	2	283	51	0	0	0	1	1	0	1	13	553	1	0	0	76	9	27	0	1019
15:15	0	5	251	43	0	0	0	2	4	0	0	19	473	1	0	0	61	3	18	1	881
15:30	0	4	275	60	0	0	1	3	6	0	1	24	526	1	0	0	38	4	26	0	969
15:45	3	7	238	68	0	0	1	3	5	0	0	18	516	0	0	0	63	9	34	0	965
Total	4	18	1047	222	0	0	2	9	16	0	2	74	2068	3	0	0	238	25	105	1	3834
16:00	1	4	257	38	0	0	0	4	3	0	0	30	566	0	0	0	61	2	23	0	989
16:15	1	3	253	44	1	0	1	2	3	0	0	29	515	0	0	0	64	5	26	0	947
16:30	0	1	242	56	0	0	1	4	8	0	3	22	566	0	0	0	47	6	21	0	977
16:45	0	7	283	51	0	0	0	6	3	0	0	26	625	0	0	0	49	5	25	0	1080
Total	2	15	1035	189	1	0	2	16	17	0	3	107	2272	0	0	0	221	18	95	0	3993
17:00	1	4	237	60	2	0	0	1	7	1	1	19	622	0	0	0	36	6	22	0	1019
17:15	0	4	289	55	0	0	0	3	3	0	0	30	590	0	0	0	56	6	18	0	1054
17:30	1	5	299	43	0	0	0	0	5	0	0	18	466	0	0	0	27	5	25	0	894
17:45	2	1	242	48	0	0	0	2	1	0	0	16	431	0	0	0	33	4	14	0	794
Total	4	14	1067	206	2	0	0	6	16	1	1	83	2109	0	0	0	152	21	79	0	3761
Grand Total	29	145	13879	1741	7	0	10	77	111	4	17	671	11871	9	2	0	1483	135	862	5	31058
Apprch %	0.2	0.9	87.8	11	0	0	5	38.1	55	2	0.1	5.3	94.4	0.1	0	0	59.7	5.4	34.7	0.2	
Total %	0.1	0.5	44.7	5.6	0	0	0	0.2	0.4	0	0.1	2.2	38.2	0	0	0	4.8	0.4	2.8	0	
Cars +	28	144	13380	1691	0	0	8	66	111	2	16	626	11357	9	0	0	1439	124	820	1	29822
% Cars +	96.6	99.3	96.4	97.1	0	0	80	85.7	100	50	94.1	93.3	95.7	100	0	0	97	91.9	95.1	20	96
Trucks	1	1	499	50	7	0	2	11	0	2	1	45	514	0	2	0	44	11	42	4	1236
% Trucks	3.4	0.7	3.6	2.9	100	0	20	14.3	0	50	5.9	6.7	4.3	0	100	0	3	8.1	4.9	80	4

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	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 06:00 to 09:15 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 07:15																									
07:15	1	1	650	39	0	691	0	0	4	0	0	4	0	8	154	0	1	163	0	16	2	23	0	41	899
07:30	1	5	713	66	0	785	0	0	2	2	0	4	0	25	176	0	0	201	0	18	4	21	0	43	1033
07:45	2	1	659	74	0	736	0	0	2	3	0	5	0	15	137	0	0	152	0	17	3	21	0	41	934
08:00	1	1	647	70	0	719	0	1	1	5	0	7	1	20	135	0	0	156	0	12	0	19	0	31	913
Total Volume	5	8	2669	249	0	2931	0	1	9	10	0	20	1	68	602	0	1	672	0	63	9	84	0	156	3779
% App. Total	0.2	0.3	91.1	8.5	0		0	5	45	50	0		0.1	10.1	89.6	0	0.1		0	40.4	5.8	53.8	0		
PHF	.625	.400	.936	.841	.000	.933	.000	.250	.563	.500	.000	.714	.250	.680	.855	.000	.250	.836	.000	.875	.563	.913	.000	.907	.915



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	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	1	242	56	0	299	0	1	4	8	0	13	3	22	566	0	0	591	0	47	6	21	0	74	977
16:45	0	7	283	51	0	341	0	0	6	3	0	9	0	26	625	0	0	651	0	49	5	25	0	79	1080
17:00	1	4	237	60	2	304	0	0	1	7	1	9	1	19	622	0	0	642	0	36	6	22	0	64	1019
17:15	0	4	289	55	0	348	0	0	3	3	0	6	0	30	590	0	0	620	0	56	6	18	0	80	1054
Total Volume	1	16	1051	222	2	1292	0	1	14	21	1	37	4	97	2403	0	0	2504	0	188	23	86	0	297	4130
% App. Total	0.1	1.2	81.3	17.2	0.2		0	2.7	37.8	56.8	2.7		0.2	3.9	96	0	0		0	63.3	7.7	29	0		
PHF	.250	.571	.909	.925	.250	.928	.000	.250	.583	.656	.250	.712	.333	.808	.961	.000	.000	.962	.000	.839	.958	.860	.000	.928	.956

