

# Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 117th Ave NE / Cloud Dr NE  
Ref.Pt.: 014.451  
data by Alliant Inc.  
TURN MOVEMENT COUNT

File Name : 17 - TH 65 & 117th Av, 10-25-11  
Site Code : 17  
Start Date : 10/25/2011  
Page No : 1

Groups Printed- Cars + - Trucks

Start Time	TH-65 / Central Ave NE Southbound					Cloud Drive NE Westbound					TH-65 / Central Ave NE Northbound					117th 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	0	1	623	3	0	0	20	1	0	0	0	1	61	3	0	0	0	0	29	0	742
06:15	0	1	723	7	0	0	16	3	2	0	0	4	126	6	0	0	6	4	38	0	936
06:30	0	0	632	22	0	0	21	7	3	0	0	7	160	4	0	0	5	2	25	0	888
06:45	0	6	639	23	0	0	18	6	0	0	0	6	187	5	0	0	5	3	24	0	922
Total	0	8	2617	55	0	0	75	17	5	0	0	18	534	18	0	0	16	9	116	0	3488
07:00	0	1	727	15	0	0	23	13	5	0	0	10	135	3	0	0	8	7	12	0	959
07:15	0	3	545	18	0	0	23	17	1	0	0	13	179	14	0	0	11	8	25	0	857
07:30	0	4	534	20	0	0	21	10	6	0	0	13	153	11	0	0	6	9	28	0	815
07:45	0	2	563	12	0	0	13	5	5	0	0	21	155	19	0	0	11	3	24	0	833
Total	0	10	2369	65	0	0	80	45	17	0	0	57	622	47	0	0	36	27	89	0	3464
08:00	0	2	508	11	0	0	14	9	4	0	0	17	141	12	0	0	9	6	39	0	772
08:15	0	5	445	19	0	0	29	8	4	0	2	19	153	7	0	0	7	2	36	0	736
08:30	0	3	403	9	0	0	26	7	2	0	0	25	135	5	0	0	5	6	43	0	669
08:45	0	8	386	16	0	0	16	3	1	0	2	23	160	10	0	0	11	4	35	0	675
Total	0	18	1742	55	0	0	85	27	11	0	4	84	589	34	0	0	32	18	153	0	2852
09:00	0	7	364	14	0	0	21	7	6	0	0	23	182	9	0	0	8	8	42	0	691
09:15	0	3	312	20	0	0	21	14	4	0	0	25	162	13	0	0	11	8	42	0	635
Total	0	10	676	34	0	0	42	21	10	0	0	48	344	22	0	0	19	16	84	0	1326
10:30	1	1	243	21	0	0	16	12	3	0	0	31	191	7	0	0	11	8	44	0	589
10:45	0	4	256	17	0	0	20	8	10	0	1	23	217	19	0	0	21	6	35	0	637
Total	1	5	499	38	0	0	36	20	13	0	1	54	408	26	0	0	32	14	79	0	1226
11:00	1	7	216	26	1	0	16	10	6	0	0	36	192	16	0	0	13	17	42	0	599
11:15	0	7	243	17	2	0	25	7	3	0	0	37	243	7	0	0	12	11	38	0	652
11:30	1	6	257	19	0	0	23	13	9	0	0	36	195	18	0	0	19	13	40	0	649
11:45	0	7	217	25	0	0	19	13	4	0	2	41	232	19	0	0	16	14	49	0	658
Total	2	27	933	87	3	0	83	43	22	0	2	150	862	60	0	0	60	55	169	0	2558
12:00	0	8	269	16	0	0	24	9	4	0	0	45	262	18	0	0	17	8	59	0	739
12:15	0	3	246	16	0	0	21	15	4	0	1	30	247	16	0	0	18	13	38	0	668
12:30	1	5	212	25	0	0	16	15	5	0	5	52	258	12	0	0	11	18	35	0	670
12:45	0	7	238	15	0	0	28	13	5	0	1	43	246	17	0	0	13	8	36	0	670
Total	1	23	965	72	0	0	89	52	18	0	7	170	1013	63	0	0	59	47	168	0	2747
13:00	1	8	248	20	0	0	21	19	6	0	4	37	240	21	0	0	16	19	38	0	698
13:15	0	4	224	16	0	0	29	10	5	0	4	43	249	11	0	0	17	15	44	0	671
Total	1	12	472	36	0	0	50	29	11	0	8	80	489	32	0	0	33	34	82	0	1369
14:30	0	6	252	19	0	0	23	7	8	0	1	47	420	12	0	0	27	16	40	0	878
14:45	0	10	254	20	0	0	17	15	9	0	2	48	386	17	0	0	29	25	35	0	867
Total	0	16	506	39	0	0	40	22	17	0	3	95	806	29	0	0	56	41	75	0	1745
15:00	0	5	228	18	0	0	16	15	2	0	5	63	483	24	0	0	15	12	46	0	932
15:15	0	8	224	16	0	0	23	10	4	0	0	52	455	23	0	1	25	27	35	0	903
15:30	0	8	262	21	0	0	19	18	3	0	1	48	508	28	0	0	34	19	37	0	1006
15:45	0	8	220	21	0	0	27	30	10	0	3	56	541	28	0	0	38	12	48	0	1042
Total	0	29	934	76	0	0	85	73	19	0	9	219	1987	103	0	1	112	70	166	0	3883
16:00	0	12	259	25	0	0	13	14	10	0	4	41	602	29	0	0	42	18	40	0	1109
16:15	0	9	258	18	1	0	17	13	9	0	3	40	518	29	0	0	43	20	31	0	1009
16:30	0	10	337	26	0	0	26	21	9	0	2	46	561	18	0	0	52	21	44	0	1173
16:45	0	3	268	33	0	0	38	26	13	0	0	63	598	8	0	0	40	21	33	0	1144
Total	0	34	1122	102	1	0	94	74	41	0	9	190	2279	84	0	0	177	80	148	0	4435
17:00	0	6	315	13	0	0	17	11	5	0	3	59	574	19	0	0	40	23	47	0	1132
17:15	0	5	303	21	0	0	33	18	10	0	1	41	538	25	0	0	51	24	36	0	1106
17:30	0	12	266	17	0	0	26	21	7	0	2	49	489	14	0	0	36	24	35	0	998
17:45	1	9	274	25	0	0	23	22	5	0	4	54	439	26	0	0	26	25	48	0	981
Total	1	32	1158	76	0	0	99	72	27	0	10	203	2040	84	0	0	153	96	166	0	4217
Grand Total	6	224	13993	735	4	0	858	495	211	0	53	1368	11973	602	0	1	785	507	1495	0	33310
Apprch %	0	1.5	93.5	4.9	0	0	54.9	31.6	13.5	0	0.4	9.8	85.5	4.3	0	0	28.2	18.2	53.6	0	0
Total %	0	0.7	42	2.2	0	0	2.6	1.5	0.6	0	0.2	4.1	35.9	1.8	0	0	2.4	1.5	4.5	0	0
Cars +	6	217	13427	724	2	0	840	491	207	0	53	1333	11403	579	0	0	773	493	1462	0	32010
% Cars +	100	96.9	96	98.5	50	0	97.9	99.2	98.1	0	100	97.4	95.2	96.2	0	0	98.5	97.2	97.8	0	96.1
Trucks	0	7	566	11	2	0	18	4	4	0	0	35	570	23	0	1	12	14	33	0	1300
% Trucks	0	3.1	4	1.5	50	0	2.1	0.8	1.9	0	0	2.6	4.8	3.8	0	100	1.5	2.8	2.2	0	3.9

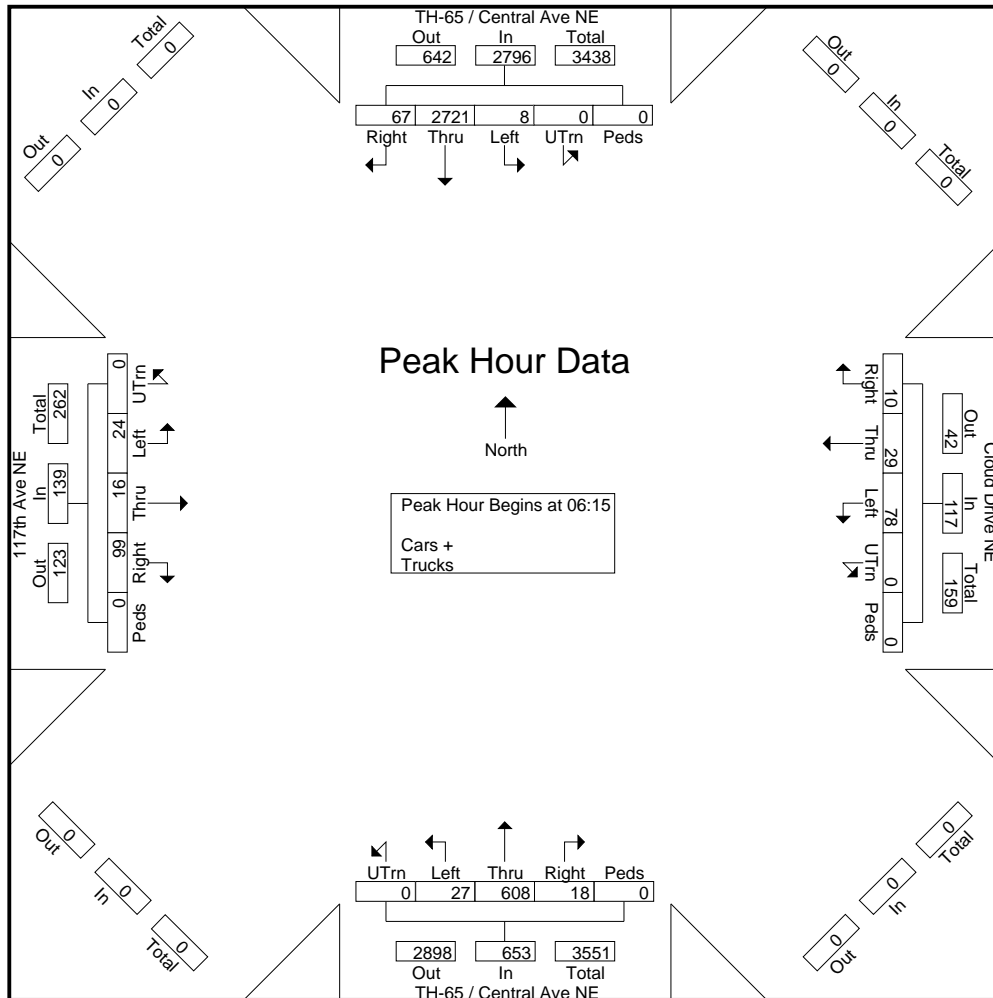
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TH-65 at 117th Ave NE / Cloud Dr NE  
 Ref.Pt.: 014.451  
 data by Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 17 - TH 65 & 117th Av, 10-25-11  
 Site Code : 17  
 Start Date : 10/25/2011  
 Page No : 2

Start Time	TH-65 / Central Ave NE Southbound					Cloud Drive NE Westbound					TH-65 / Central Ave NE Northbound					117th 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
06:15	0	1	723	7	0	731	0	16	3	2	0	21	0	4	126	6	0	136	0	6	4	38	0	48	936
06:30	0	0	632	22	0	654	0	21	7	3	0	31	0	7	160	4	0	171	0	5	2	25	0	32	888
06:45	0	6	639	23	0	668	0	18	6	0	0	24	0	6	187	5	0	198	0	5	3	24	0	32	922
07:00	0	1	727	15	0	743	0	23	13	5	0	41	0	10	135	3	0	148	0	8	7	12	0	27	959
Total Volume	0	8	2721	67	0	2796	0	78	29	10	0	117	0	27	608	18	0	653	0	24	16	99	0	139	3705
% App. Total	0	0.3	97.3	2.4	0		0	66.7	24.8	8.5	0		0	4.1	93.1	2.8	0		0	17.3	11.5	71.2	0		
PHF	.000	.333	.936	.728	.000	.941	.000	.848	.558	.500	.000	.713	.000	.675	.813	.750	.000	.824	.000	.750	.571	.651	.000	.724	.966

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



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 Site Code : 17  
 Start Date : 10/25/2011  
 Page No : 3

Start Time	TH-65 / Central Ave NE Southbound						Cloud Drive NE Westbound						TH-65 / Central Ave NE Northbound						117th 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	10	337	26	0	373	0	26	21	9	0	56	2	46	561	18	0	627	0	52	21	44	0	117	1173
16:45	0	3	268	33	0	304	0	38	26	13	0	77	0	63	598	8	0	669	0	40	21	33	0	94	1144
17:00	0	6	315	13	0	334	0	17	11	5	0	33	3	59	574	19	0	655	0	40	23	47	0	110	1132
17:15	0	5	303	21	0	329	0	33	18	10	0	61	1	41	538	25	0	605	0	51	24	36	0	111	1106
Total Volume	0	24	1223	93	0	1340	0	114	76	37	0	227	6	209	2271	70	0	2556	0	183	89	160	0	432	4555
% App. Total	0	1.8	91.3	6.9	0		0	50.2	33.5	16.3	0		0.2	8.2	88.8	2.7	0		0	42.4	20.6	37	0		
PHF	.000	.600	.907	.705	.000	.898	.000	.750	.731	.712	.000	.737	.500	.829	.949	.700	.000	.955	.000	.880	.927	.851	.000	.923	.971

