

# Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at 109th Ave NE / CSAH-12  
Ref.Pt.: 013.434  
data by Alliant Inc  
TURN MOVEMENT COUNT

File Name : 16 - TH 65 & 109th Av, 10-25-11  
Site Code : 16  
Start Date : 10/25/2011  
Page No : 1

Groups Printed- Cars + - Trucks

Start Time	TH-65 / Central Ave NE Southbound					109th Ave NE / CSAH-12 Westbound					TH-65 / Central Ave NE Northbound					109th Ave NE / CSAH-12 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	8	625	17	0	0	40	18	5	0	1	4	70	5	1	0	16	45	26	0	881
06:15	0	9	496	6	0	0	62	21	2	0	0	4	104	10	0	0	6	24	20	0	764
06:30	0	11	678	12	0	0	60	27	4	0	0	11	137	17	0	0	13	60	42	0	1072
06:45	0	22	637	10	0	0	89	48	8	0	0	6	166	25	1	0	14	42	33	0	1101
Total	0	50	2436	45	0	0	251	114	19	0	1	25	477	57	2	0	49	171	121	0	3818
07:00	0	16	574	15	0	0	142	78	7	0	0	9	124	11	0	0	15	38	24	0	1053
07:15	1	22	543	29	0	0	116	84	4	0	1	11	170	17	0	0	24	46	44	0	1112
07:30	0	16	532	22	0	1	95	69	10	0	0	14	167	29	0	0	24	73	38	0	1090
07:45	0	42	599	26	0	0	119	65	7	0	2	12	165	25	1	0	18	53	10	0	1144
Total	1	96	2248	92	0	1	472	296	28	0	3	46	626	82	1	0	81	210	116	0	4399
08:00	0	25	499	26	0	0	85	66	2	0	1	27	157	24	0	0	27	67	30	0	1036
08:15	0	23	440	19	0	0	79	48	18	0	2	25	130	30	0	0	22	62	31	0	929
08:30	1	6	466	23	0	0	51	56	8	0	3	22	161	29	0	0	24	59	26	0	935
08:45	1	35	381	34	0	0	69	54	12	0	0	21	184	29	0	0	20	64	33	0	937
Total	2	89	1786	102	0	0	284	224	40	0	6	95	632	112	0	0	93	252	120	0	3837
09:00	0	39	351	17	0	0	53	42	11	0	1	27	179	15	0	0	29	60	28	0	852
09:15	0	21	350	28	0	0	64	38	13	0	1	24	169	38	0	0	25	59	27	0	857
Total	0	60	701	45	0	0	117	80	24	0	2	51	348	53	0	0	54	119	55	0	1709
10:30	0	25	265	28	0	0	55	37	17	0	2	24	177	39	3	0	22	32	19	0	745
10:45	0	37	219	24	0	0	44	47	16	0	2	35	217	35	0	0	27	50	37	0	790
Total	0	62	484	52	0	0	99	84	33	0	4	59	394	74	3	0	49	82	56	0	1535
11:00	1	31	255	21	0	1	47	44	24	1	3	34	206	40	0	0	25	53	35	2	823
11:15	0	45	227	17	1	0	37	43	22	0	0	30	212	36	1	0	27	62	34	1	795
11:30	0	39	242	23	1	1	52	53	20	1	2	45	204	39	1	0	40	69	20	0	852
11:45	0	49	244	32	0	0	36	42	23	0	2	44	247	48	0	0	32	52	23	1	875
Total	1	164	968	93	2	2	172	182	89	2	7	153	869	163	2	0	124	236	112	4	3345
12:00	0	52	271	24	0	0	59	69	40	0	1	37	232	40	0	0	29	69	22	1	946
12:15	0	36	224	25	2	0	57	59	33	0	4	39	241	51	1	0	32	75	23	1	903
12:30	0	45	246	13	1	0	58	44	33	0	3	47	267	40	2	0	24	51	32	1	907
12:45	1	43	221	26	1	0	43	53	35	0	5	40	231	41	0	0	35	65	24	1	865
Total	1	176	962	88	4	0	217	225	141	0	13	163	971	172	3	0	120	260	101	4	3621
13:00	1	27	218	28	0	1	69	69	32	0	6	32	244	55	0	0	40	64	26	0	912
13:15	0	40	276	30	0	0	48	54	27	0	5	36	250	40	0	0	28	46	38	1	919
Total	1	67	494	58	0	1	117	123	59	0	11	68	494	95	0	0	68	110	64	1	1831
14:30	0	29	251	24	0	0	50	60	38	0	5	36	401	57	0	0	46	76	33	0	1106
14:45	0	35	192	29	1	0	36	63	35	0	4	51	422	39	0	0	32	88	17	0	1044
Total	0	64	443	53	1	0	86	123	73	0	9	87	823	96	0	0	78	164	50	0	2150
15:00	0	30	283	21	0	0	45	89	34	0	4	71	439	39	0	0	43	75	26	1	1200
15:15	0	48	228	25	0	0	49	65	36	0	0	50	482	33	0	0	22	56	27	1	1122
15:30	0	41	227	23	0	0	49	104	52	0	1	45	519	37	0	0	44	75	27	1	1245
15:45	0	57	252	20	0	0	44	99	57	0	0	72	535	29	3	0	53	94	26	0	1341
Total	0	176	990	89	0	0	187	357	179	0	5	238	1975	138	3	0	162	300	106	3	4908
16:00	0	38	210	33	1	2	53	94	49	0	3	68	509	47	2	0	45	107	25	1	1287
16:15	0	39	226	33	0	0	48	92	52	0	8	70	534	39	0	0	42	71	32	0	1286
16:30	0	46	292	31	0	0	66	120	65	0	0	72	536	42	1	0	53	99	21	0	1444
16:45	2	43	278	28	1	1	74	138	77	1	4	83	521	53	1	0	49	110	27	0	1491
Total	2	166	1006	125	2	3	241	444	243	1	15	293	2100	181	4	0	189	387	105	1	5508
17:00	0	37	275	30	0	0	65	114	72	0	1	79	498	65	1	0	62	97	31	0	1427
17:15	0	54	293	29	0	0	52	100	59	0	0	67	562	76	0	0	20	91	20	0	1423
17:30	0	56	283	32	0	0	68	122	69	0	1	61	458	62	0	0	48	98	20	0	1378
17:45	0	53	270	27	0	8	65	113	51	0	1	65	418	68	2	0	46	94	10	0	1291
Total	0	200	1121	118	0	8	250	449	251	0	3	272	1936	271	3	0	176	380	81	0	5519
Grand Total	8	1370	13639	960	9	15	2493	2701	1179	3	79	1550	11645	1494	21	0	1243	2671	1087	13	42180
Apprch %	0.1	8.6	85.3	6	0.1	0.2	39	42.3	18.4	0	0.5	10.5	78.7	10.1	0.1	0	24.8	53.3	21.7	0.3	
Total %	0	3.2	32.3	2.3	0	0	5.9	6.4	2.8	0	0.2	3.7	27.6	3.5	0	0	2.9	6.3	2.6	0	
Cars +	8	1334	13111	929	8	14	2436	2656	1152	2	78	1526	11153	1439	14	0	1200	2588	1064	10	40722
% Cars +	100	97.4	96.1	96.8	88.9	93.3	97.7	98.3	97.7	66.7	98.7	98.5	95.8	96.3	66.7	0	96.5	96.9	97.9	76.9	96.5
Trucks	0	36	528	31	1	1	57	45	27	1	1	24	492	55	7	0	43	83	23	3	1458
% Trucks	0	2.6	3.9	3.2	11.1	6.7	2.3	1.7	2.3	33.3	1.3	1.5	4.2	3.7	33.3	0	3.5	3.1	2.1	23.1	3.5



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Start Time	TH-65 / Central Ave NE Southbound						109th Ave NE / CSAH-12 Westbound						TH-65 / Central Ave NE Northbound						109th Ave NE / CSAH-12 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	46	292	31	0	369	0	66	120	65	0	251	0	72	536	42	1	651	0	53	99	21	0	173	1444
16:45	2	43	278	28	1	352	1	74	138	77	1	291	4	83	521	53	1	662	0	49	110	27	0	186	1491
17:00	0	37	275	30	0	342	0	65	114	72	0	251	1	79	498	65	1	644	0	62	97	31	0	190	1427
17:15	0	54	293	29	0	376	0	52	100	59	0	211	0	67	562	76	0	705	0	20	91	20	0	131	1423
Total Volume	2	180	1138	118	1	1439	1	257	472	273	1	1004	5	301	2117	236	3	2662	0	184	397	99	0	680	5785
% App. Total	0.1	12.5	79.1	8.2	0.1		0.1	25.6	47	27.2	0.1		0.2	11.3	79.5	8.9	0.1		0	27.1	58.4	14.6	0		
PHF	.250	.833	.971	.952	.250	.957	.250	.868	.855	.886	.250	.863	.313	.907	.942	.776	.750	.944	.000	.742	.902	.798	.000	.895	.970

