

# Alliant Engineering Inc Minneapolis, MN 55415

TH-47 at 40th Ave NE / CSAH-2  
Ref.Pt.: 005.745  
Data by: Alliant Inc  
TURN MOVEMENT COUNT

File Name : 10 - TH 47 & 40th Ave  
Site Code : 10  
Start Date : 2/27/2013  
Page No : 1

Groups Printed- Cars

Start Time	TH-47 Southbound					40th Ave NE Westbound					TH-47 Northbound					40th Ave NE Eastbound					Int. Total
	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	
06:00	1	101	10	0	0	10	1	17	0	0	2	31	1	0	0	4	4	2	0	0	184
06:15	2	166	12	0	0	8	0	11	0	0	1	29	2	0	2	4	7	5	0	0	249
06:30	5	209	11	0	0	15	8	13	0	0	3	58	1	0	0	5	4	3	0	0	335
06:45	3	238	19	0	0	16	5	13	0	0	2	40	2	0	0	12	4	7	0	0	361
Total	11	714	52	0	0	49	14	54	0	0	8	158	6	0	2	25	19	17	0	0	1129
07:00	4	237	18	0	0	12	7	12	0	0	5	64	0	0	0	7	5	3	0	0	374
07:15	4	264	30	0	0	16	10	28	0	0	8	53	0	0	0	10	7	10	0	0	440
07:30	3	275	31	0	0	19	3	17	0	0	4	75	0	0	0	11	7	8	0	0	453
07:45	2	265	43	0	2	15	6	23	0	0	12	78	1	0	0	5	6	7	0	0	465
Total	13	1041	122	0	2	62	26	80	0	0	29	270	1	0	0	33	25	28	0	0	1732
08:00	11	215	20	0	0	24	7	25	0	0	5	72	0	0	0	4	1	6	0	0	390
08:15	6	195	17	0	0	8	4	10	0	0	5	64	1	0	0	3	4	4	0	3	324
08:30	4	161	23	0	0	11	2	17	0	0	6	54	0	0	0	2	3	3	0	0	286
08:45	3	136	29	0	0	10	3	8	0	0	8	53	1	0	0	3	6	3	0	1	264
Total	24	707	89	0	0	53	16	60	0	0	24	243	2	0	0	12	14	16	0	4	1264
09:00	3	108	20	0	0	12	5	8	0	0	6	62	2	0	0	1	6	4	0	4	241
09:15	7	83	15	0	0	14	2	16	0	0	6	65	0	0	0	3	3	5	0	0	219
****BREAK****																					
Total	10	191	35	0	0	26	7	24	0	0	12	127	2	0	0	4	9	9	0	4	460
****BREAK****																					
10:30	3	56	10	0	0	18	5	13	0	0	7	59	1	0	0	3	4	9	0	1	189
10:45	4	61	19	0	0	16	2	9	0	0	8	62	1	0	2	4	6	2	0	3	199
Total	7	117	29	0	0	34	7	22	0	0	15	121	2	0	2	7	10	11	0	4	388
11:00	6	67	17	0	0	19	4	3	0	0	10	52	2	0	1	6	6	6	0	1	200
11:15	2	77	24	0	0	14	7	8	0	0	6	57	1	0	1	0	6	5	0	1	209
11:30	2	69	22	0	0	20	6	10	0	0	13	78	0	0	1	2	8	6	0	1	238
11:45	3	81	24	0	0	18	2	10	0	0	20	84	4	0	0	4	10	5	0	1	266
Total	13	294	87	0	0	71	19	31	0	0	49	271	7	0	3	12	30	22	0	4	913
12:00	1	85	14	0	0	16	6	11	0	0	19	75	0	0	0	2	7	4	0	0	240
12:15	11	78	23	0	0	8	11	15	0	2	15	84	4	0	0	4	8	3	0	0	266
12:30	6	80	14	0	0	27	10	12	0	0	15	89	2	0	0	5	9	4	0	0	273
12:45	5	63	15	0	0	19	8	19	0	0	12	79	4	0	1	6	11	8	0	0	250
Total	23	306	66	0	0	70	35	57	0	2	61	327	10	0	1	17	35	19	0	0	1029
13:00	9	90	13	0	0	24	8	11	0	0	13	76	5	0	0	7	5	9	0	1	271
13:15	4	61	11	0	0	23	7	17	0	0	12	80	3	0	0	2	13	3	0	0	236
****BREAK****																					
Total	13	151	24	0	0	47	15	28	0	0	25	156	8	0	0	9	18	12	0	1	507
****BREAK****																					
14:30	6	88	20	0	0	19	7	11	0	1	10	108	6	0	0	4	10	12	0	0	302
14:45	6	83	32	0	0	11	12	13	0	0	13	105	3	0	0	3	8	10	0	0	299
Total	12	171	52	0	0	30	19	24	0	1	23	213	9	0	0	7	18	22	0	0	601
15:00	5	104	37	0	0	20	17	15	0	0	9	130	2	0	0	3	7	8	0	0	357
15:15	12	94	17	0	0	16	19	14	0	0	11	130	2	0	0	4	9	6	0	0	334
15:30	7	104	33	0	0	20	5	17	0	0	17	169	3	0	0	8	8	8	0	0	399
15:45	9	83	45	0	0	21	11	17	0	1	19	159	5	0	0	2	10	6	0	1	389
Total	33	385	132	0	0	77	52	63	0	1	56	588	12	0	0	17	34	28	0	1	1479

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 Start Date : 2/27/2013  
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Groups Printed- Cars

Start Time	TH-47 Southbound					40th Ave NE Westbound					TH-47 Northbound					40th Ave NE Eastbound					Int. Total
	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	Right	Thru	Left	UTrn	Peds	
16:00	5	105	38	0	0	22	7	9	0	1	18	193	7	0	0	5	6	8	0	1	425
16:15	7	114	37	0	0	30	8	11	0	1	21	223	3	0	0	4	7	5	0	1	472
16:30	7	126	32	0	0	27	15	11	0	0	24	258	14	0	0	4	10	3	0	5	536
16:45	13	127	26	0	0	18	15	7	0	0	24	261	5	0	0	1	8	1	0	1	507
Total	32	472	133	0	0	97	45	38	0	2	87	935	29	0	0	14	31	17	0	8	1940
17:00	9	115	36	0	0	32	8	9	0	2	25	268	5	0	0	1	17	6	0	1	534
17:15	11	121	33	0	0	28	14	15	0	0	26	219	7	0	0	11	4	2	0	0	491
17:30	2	102	24	0	0	19	9	7	0	4	29	209	7	0	0	3	13	5	0	0	433
17:45	12	111	26	0	0	29	12	9	0	0	17	169	7	0	0	3	8	1	0	0	404
Total	34	449	119	0	0	108	43	40	0	6	97	865	26	0	0	18	42	14	0	1	1862
18:00	5	88	22	0	0	25	9	15	0	0	16	140	9	0	0	3	8	1	0	2	343
18:15	7	88	32	0	0	25	3	5	0	0	16	119	3	0	0	6	12	6	0	0	322
Grand Total	237	5174	994	0	2	774	310	541	0	12	518	4533	126	0	8	184	305	222	0	29	13969
Apprch %	3.7	80.8	15.5	0	0	47.3	18.9	33	0	0.7	10	87.4	2.4	0	0.2	24.9	41.2	30	0	3.9	
Total %	1.7	37	7.1	0	0	5.5	2.2	3.9	0	0.1	3.7	32.5	0.9	0	0.1	1.3	2.2	1.6	0	0.2	

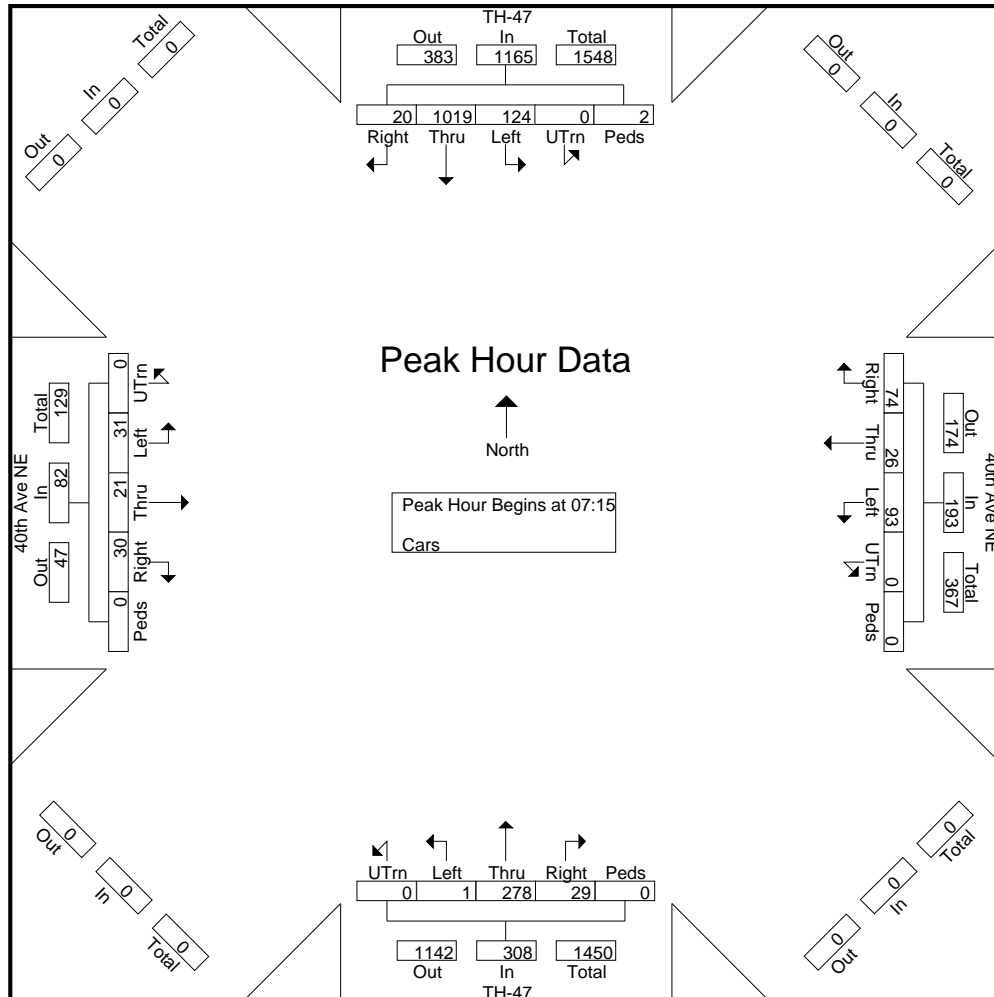
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Start Time	TH-47 Southbound						40th Ave NE Westbound						TH-47 Northbound						40th Ave NE Eastbound						Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	
07:15	4	264	30	0	0	298	16	10	28	0	0	54	8	53	0	0	0	61	10	7	10	0	0	27	440
07:30	3	275	31	0	0	309	19	3	17	0	0	39	4	75	0	0	0	79	11	7	8	0	0	26	453
07:45	2	265	43	0	2	312	15	6	23	0	0	44	12	78	1	0	0	91	5	6	7	0	0	18	465
08:00	11	215	20	0	0	246	24	7	25	0	0	56	5	72	0	0	0	77	4	1	6	0	0	11	390
Total Volume	20	1019	124	0	2	1165	74	26	93	0	0	193	29	278	1	0	0	308	30	21	31	0	0	82	1748
% App. Total	1.7	87.5	10.6	0	0.2		38.3	13.5	48.2	0	0		9.4	90.3	0.3	0	0		36.6	25.6	37.8	0	0		
PHF	.455	.926	.721	.000	.250	.933	.771	.650	.830	.000	.000	.862	.604	.891	.250	.000	.000	.846	.682	.750	.775	.000	.000	.759	.940

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



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 Site Code : 10  
 Start Date : 2/27/2013  
 Page No : 4

Start Time	TH-47 Southbound						40th Ave NE Westbound						TH-47 Northbound						40th Ave NE Eastbound						Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	
16:30	7	126	32	0	0	165	27	15	11	0	0	53	24	258	14	0	0	296	4	10	3	0	5	22	536
16:45	13	127	26	0	0	166	18	15	7	0	0	40	24	261	5	0	0	290	1	8	1	0	1	11	507
17:00	9	115	36	0	0	160	32	8	9	0	2	51	25	268	5	0	0	298	1	17	6	0	1	25	534
17:15	11	121	33	0	0	165	28	14	15	0	0	57	26	219	7	0	0	252	11	4	2	0	0	17	491
Total Volume	40	489	127	0	0	656	105	52	42	0	2	201	99	1006	31	0	0	1136	17	39	12	0	7	75	2068
% App. Total	6.1	74.5	19.4	0	0		52.2	25.9	20.9	0	1		8.7	88.6	2.7	0	0		22.7	52	16	0	9.3		
PHF	.769	.963	.882	.000	.000	.988	.820	.867	.700	.000	.250	.882	.952	.938	.554	.000	.000	.953	.386	.574	.500	.000	.350	.750	.965

Peak Hour Analysis From 15:00 to 18:15 - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 16:30

