

# Alliant Engineering Inc Minneapolis, MN 55415

TH-47 at 69th Ave NE  
Ref.Pt.,: 009.399  
Data by Alliant Inc  
TURN MOVEMENT COUNT

File Name : 19 - TH 47 & 69th Ave  
Site Code : 19  
Start Date : 2/27/2013  
Page No : 1

Groups Printed- Cars

Start Time	TH-47 Southbound					69th Ave NE Westbound					TH-47 Northbound					69th 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	0	223	0	0	0	0	0	8	0	0	3	90	3	0	0	6	0	0	0	0	333
06:15	1	338	0	0	0	0	0	6	0	0	2	99	0	0	0	4	0	0	0	0	450
06:30	0	335	1	0	0	1	0	5	0	0	4	175	7	0	0	3	0	0	0	0	531
06:45	0	398	0	0	0	2	0	3	0	0	7	192	7	1	0	1	0	1	0	0	612
Total	1	1294	1	0	0	3	0	22	0	0	16	556	17	1	0	14	0	1	0	0	1926
07:00	1	499	0	0	0	1	0	9	0	0	6	169	8	0	0	9	0	0	0	0	702
07:15	0	500	1	0	0	2	0	11	0	0	7	176	4	0	0	2	0	0	0	0	703
07:30	0	442	0	0	0	1	0	14	0	0	7	180	1	0	1	6	0	0	0	0	652
07:45	0	407	3	0	0	2	1	18	0	0	12	242	7	0	0	4	0	1	0	0	697
Total	1	1848	4	0	0	6	1	52	0	0	32	767	20	0	1	21	0	1	0	0	2754
08:00	1	305	4	0	0	11	2	27	0	0	16	189	3	0	0	7	0	0	0	0	565
08:15	1	303	0	0	0	4	0	11	0	0	8	155	5	0	0	7	0	2	0	0	496
08:30	1	261	0	0	0	0	0	9	0	0	5	185	3	0	0	2	1	2	0	0	469
08:45	0	222	0	0	0	1	0	9	0	0	6	189	3	0	0	4	0	3	0	0	437
Total	3	1091	4	0	0	16	2	56	0	0	35	718	14	0	0	20	1	7	0	0	1967
09:00	2	224	0	0	0	4	1	14	0	0	8	186	1	0	0	5	0	0	0	0	445
09:15	0	190	0	0	0	0	0	7	0	0	3	174	2	0	0	0	0	0	0	0	376
*****BREAK*****																					
Total	2	414	0	0	0	4	1	21	0	0	11	360	3	0	0	5	0	0	0	0	821
*****BREAK*****																					
10:30	2	203	0	0	0	1	0	0	0	0	6	184	4	0	0	3	0	2	0	0	405
10:45	1	194	2	0	0	2	0	5	0	0	9	218	2	0	0	3	0	1	0	0	437
Total	3	397	2	0	0	3	0	5	0	0	15	402	6	0	0	6	0	3	0	0	842
11:00	2	208	0	0	0	0	1	10	0	0	4	167	2	0	0	4	0	0	0	0	398
11:15	1	202	2	0	0	1	0	5	0	0	4	199	3	0	0	6	0	0	0	0	423
11:30	1	212	2	0	0	0	0	9	0	0	5	232	4	0	0	5	0	2	0	0	472
11:45	1	251	0	0	0	1	0	5	0	0	11	214	1	0	0	3	0	2	0	0	489
Total	5	873	4	0	0	2	1	29	0	0	24	812	10	0	0	18	0	4	0	0	1782
12:00	2	231	6	0	0	1	0	5	0	0	3	211	3	0	1	2	0	0	0	0	465
12:15	3	224	1	0	0	3	0	4	0	0	6	235	5	0	0	3	0	3	0	0	487
12:30	0	240	2	0	0	2	0	9	0	0	10	246	6	1	0	8	0	3	0	0	527
12:45	1	235	0	0	0	2	0	9	0	0	9	252	6	0	0	3	0	1	0	0	518
Total	6	930	9	0	0	8	0	27	0	0	28	944	20	1	1	16	0	7	0	0	1997
13:00	1	226	1	0	0	0	0	3	0	0	7	233	4	1	0	8	1	0	0	0	485
13:15	1	229	1	0	0	2	0	10	0	0	8	266	3	0	0	3	0	1	0	0	524
*****BREAK*****																					
Total	2	455	2	0	0	2	0	13	0	0	15	499	7	1	0	11	1	1	0	0	1009
*****BREAK*****																					
14:30	0	289	2	0	0	10	0	5	0	0	7	341	4	0	0	17	2	0	0	0	677
14:45	1	243	3	0	0	2	0	6	0	0	6	330	5	0	0	11	0	0	0	0	607
Total	1	532	5	0	0	12	0	11	0	0	13	671	9	0	0	28	2	0	0	0	1284
15:00	3	238	1	0	0	1	0	5	1	0	5	349	10	0	0	7	0	0	0	0	620
15:15	2	237	1	0	0	3	0	7	0	0	8	312	2	0	0	7	0	1	0	0	580
15:30	2	268	0	0	0	2	0	15	0	0	2	488	2	0	0	10	0	1	0	0	790
15:45	2	249	3	0	0	4	1	9	0	0	10	449	7	0	0	5	0	1	0	0	740
Total	9	992	5	0	0	10	1	36	1	0	25	1598	21	0	0	29	0	3	0	0	2730

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 Page No : 2

Groups Printed- Cars

Start Time	TH-47 Southbound					69th Ave NE Westbound					TH-47 Northbound					69th 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	2	252	0	0	0	3	1	10	0	0	8	432	5	0	0	10	1	1	0	0	725
16:15	0	267	2	0	0	6	1	9	0	0	9	450	6	0	0	10	1	1	0	0	762
16:30	2	308	1	0	0	0	0	7	0	0	9	516	5	0	0	24	0	3	0	0	875
16:45	4	265	0	0	0	2	0	6	0	0	7	433	9	0	0	6	1	2	0	0	735
Total	8	1092	3	0	0	11	2	32	0	0	33	1831	25	0	0	50	3	7	0	0	3097
17:00	3	299	2	0	0	3	0	9	0	0	5	498	2	0	0	11	0	2	0	0	834
17:15	3	250	1	0	1	0	1	7	0	0	1	459	6	0	0	9	0	0	0	0	738
17:30	2	246	1	0	0	1	0	3	0	0	8	391	5	0	0	8	0	0	0	0	665
17:45	3	235	2	0	0	2	0	3	0	0	6	393	1	0	0	4	0	1	0	0	650
Total	11	1030	6	0	1	6	1	22	0	0	20	1741	14	0	0	32	0	3	0	0	2887
18:00	0	173	0	0	0	3	0	5	0	0	3	308	9	0	0	9	0	1	0	0	511
18:15	4	254	4	0	0	1	0	5	0	0	5	305	7	0	0	5	0	4	0	0	594
Grand Total	56	11375	49	0	1	87	9	336	1	0	275	11512	182	3	2	264	7	42	0	0	24201
Apprch %	0.5	99.1	0.4	0	0	20.1	2.1	77.6	0.2	0	2.3	96.1	1.5	0	0	84.3	2.2	13.4	0	0	
Total %	0.2	47	0.2	0	0	0.4	0	1.4	0	0	1.1	47.6	0.8	0	0	1.1	0	0.2	0	0	

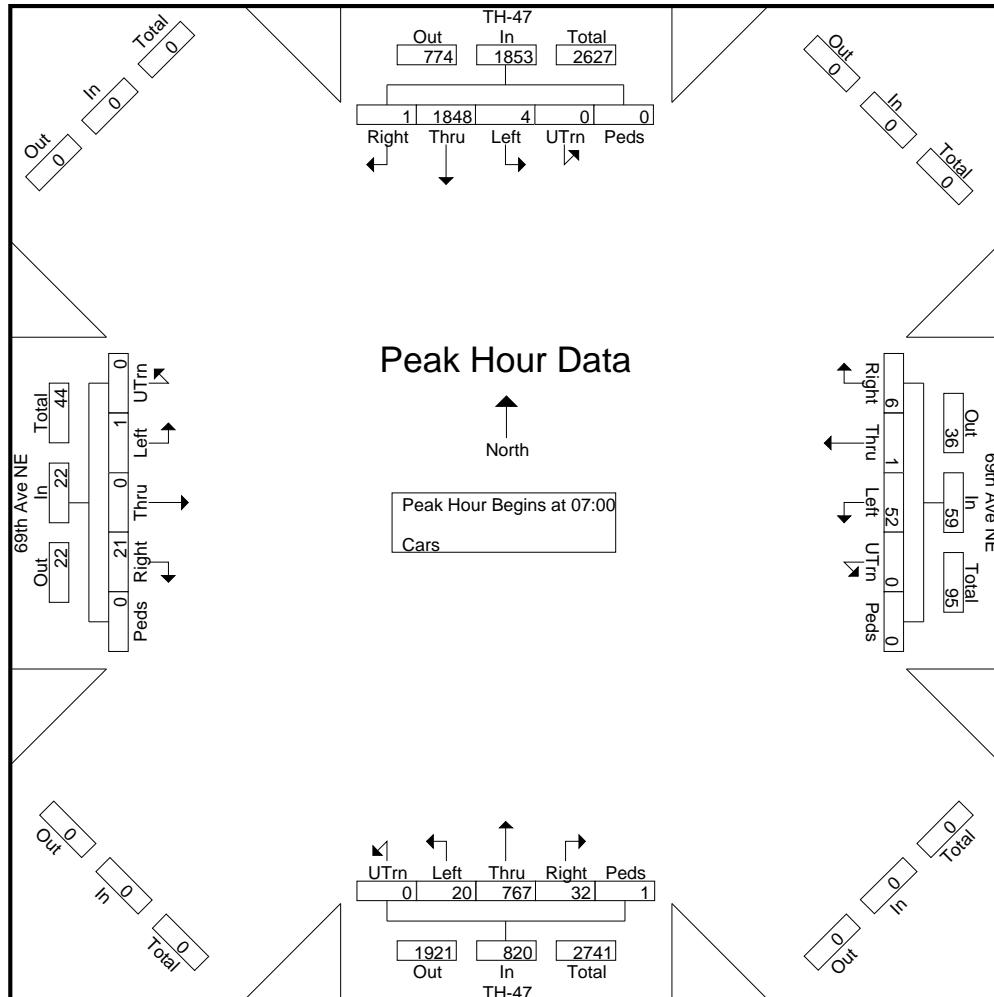
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	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	
07:00	1	499	0	0	0	500	1	0	9	0	0	10	6	169	0	0	0	183	0	0	0	0	0	0	702
07:15	0	500	1	0	0	501	2	0	11	0	0	13	7	176	4	0	0	187	2	0	0	0	0	0	703
07:30	0	442	0	0	0	442	1	0	14	0	0	15	7	180	1	0	0	189	6	0	0	0	0	0	652
07:45	0	407	3	0	0	410	2	1	18	0	0	21	12	242	7	0	0	261	4	0	1	0	0	0	697
Total Volume	1	1848	4	0	0	1853	6	1	52	0	0	59	32	767	20	0	1	820	21	0	1	0	0	22	2754
% App. Total	0.1	99.7	0.2	0	0		10.2	1.7	88.1	0	0		3.9	93.5	2.4	0	0.1		95.5	0	4.5	0	0		
PHF	.250	.924	.333	.000	.000	.925	.750	.250	.722	.000	.000	.702	.667	.792	.625	.000	.250	.785	.583	.000	.250	.000	.000	.611	.979

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 : 4

Start Time	TH-47 Southbound						69th Ave NE Westbound						TH-47 Northbound						69th 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	
16:15	0	267	2	0	0	269	6	1	9	0	0	16	9	450	6	0	0	465	10	1	1	0	0	12	762
16:30	2	308	1	0	0	311	0	0	7	0	0	7	9	516	5	0	0	530	24	0	3	0	0	27	875
16:45	4	265	0	0	0	269	2	0	6	0	0	8	7	433	9	0	0	449	6	1	2	0	0	9	735
17:00	3	299	2	0	0	304	3	0	9	0	0	12	5	498	2	0	0	505	11	0	2	0	0	13	834
Total Volume	9	1139	5	0	0	1153	11	1	31	0	0	43	30	1897	22	0	0	1949	51	2	8	0	0	61	3206
% App. Total	0.8	98.8	0.4	0	0		25.6	2.3	72.1	0	0		1.5	97.3	1.1	0	0		83.6	3.3	13.1	0	0		
PHF	.563	.925	.625	.000	.000	.927	.458	.250	.861	.000	.000	.672	.833	.919	.611	.000	.000	.919	.531	.500	.667	.000	.000	.565	.916

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

