

Alliant Engineering Inc Minneapolis, MN 55415

TH-47 at 49th Ave NE / CSAH-4
Ref.Pt.: 006.869
Data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 12 - TH 47 & 49th Ave
Site Code : 12
Start Date : 2/27/2013
Page No : 1

Groups Printed- Cars

Start Time	TH 47 Southbound					49th Ave NE Westbound					TH 47 Northbound					49th 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	3	101	4	0	0	12	0	5	0	0	2	49	1	0	1	2	0	1	0	1	182
06:15	2	164	4	0	0	18	0	11	0	0	3	60	2	0	1	6	4	4	0	0	279
06:30	9	225	2	0	0	29	2	20	0	0	2	102	2	0	0	6	3	13	0	0	415
06:45	11	219	17	0	0	18	9	18	0	1	1	74	2	0	3	4	1	1	0	1	380
Total	25	709	27	0	0	77	11	54	0	1	8	285	7	0	5	18	8	19	0	2	1256
07:00	2	221	22	0	0	18	3	21	0	0	4	91	1	0	0	6	9	5	0	0	403
07:15	4	262	13	0	3	21	7	8	0	0	7	94	0	0	4	9	6	10	0	0	448
07:30	1	293	14	0	0	24	5	29	0	0	10	112	0	0	0	3	5	7	0	0	503
07:45	9	269	24	0	2	26	4	20	0	0	13	102	3	0	0	7	6	7	0	0	492
Total	16	1045	73	0	5	89	19	78	0	0	34	399	4	0	4	25	26	29	0	0	1846
08:00	3	233	9	0	1	9	8	21	0	0	12	111	3	0	0	2	7	7	0	0	426
08:15	5	193	11	0	0	19	5	22	0	0	4	95	1	0	0	3	2	6	0	0	366
08:30	2	177	3	0	0	19	7	7	0	0	2	78	4	0	0	3	4	10	0	0	316
08:45	4	149	9	0	0	21	2	12	0	1	4	84	0	0	0	4	6	4	0	0	300
Total	14	752	32	0	1	68	22	62	0	1	22	368	8	0	0	12	19	27	0	0	1408
09:00	2	116	10	0	2	14	1	5	0	0	2	93	1	0	0	5	3	6	0	0	260
09:15	8	112	15	0	2	15	0	4	0	0	7	89	1	0	0	2	5	1	0	0	261
*****BREAK*****																					
Total	10	228	25	0	4	29	1	9	0	0	9	182	2	0	0	7	8	7	0	0	521
*****BREAK*****																					
10:30	4	78	16	0	0	19	8	7	0	0	5	107	0	0	0	0	6	4	0	0	254
10:45	0	84	17	0	0	9	8	5	0	0	4	81	1	0	0	3	4	3	0	0	219
Total	4	162	33	0	0	28	16	12	0	0	9	188	1	0	0	3	10	7	0	0	473
11:00	2	90	16	0	0	17	5	7	0	0	3	85	0	0	0	2	12	6	0	0	245
11:15	4	112	10	0	0	19	12	1	0	0	3	86	0	0	0	3	4	9	0	0	263
11:30	2	101	19	0	0	13	7	4	0	0	9	119	3	0	0	3	8	2	0	0	290
11:45	6	118	23	0	0	19	11	9	0	0	14	90	0	0	0	1	6	4	0	0	301
Total	14	421	68	0	0	68	35	21	0	0	29	380	3	0	0	9	30	21	0	0	1099
12:00	6	99	15	0	2	14	14	8	0	0	9	94	1	0	0	1	12	4	0	0	279
12:15	3	113	20	0	0	21	14	9	0	0	10	97	3	0	0	1	9	7	0	0	307
12:30	7	94	15	0	0	17	14	11	0	0	6	122	1	0	0	1	4	1	0	0	293
12:45	6	95	31	0	0	17	13	11	0	0	9	109	1	0	0	8	10	4	0	0	314
Total	22	401	81	0	2	69	55	39	0	0	34	422	6	0	0	11	35	16	0	0	1193
13:00	4	104	16	0	0	15	13	11	0	0	7	110	0	0	0	6	10	7	0	0	303
13:15	7	86	18	0	0	22	9	11	0	0	7	112	5	0	0	3	4	13	0	0	297
*****BREAK*****																					
Total	11	190	34	0	0	37	22	22	0	0	14	222	5	0	0	9	14	20	0	0	600
*****BREAK*****																					
14:30	6	125	12	0	3	28	6	9	0	0	5	160	2	0	0	1	4	12	0	0	373
14:45	14	143	20	0	0	22	5	5	0	0	14	134	3	0	0	1	10	9	0	0	380
Total	20	268	32	0	3	50	11	14	0	0	19	294	5	0	0	2	14	21	0	0	753
15:00	6	144	30	0	0	20	10	10	0	0	9	180	5	0	0	6	8	4	0	0	432
15:15	7	121	29	0	0	22	9	16	0	0	5	187	6	0	0	5	13	12	0	0	432
15:30	4	152	15	0	0	25	15	11	0	0	12	255	2	0	0	7	6	5	0	0	509
15:45	6	149	32	0	1	20	11	11	0	0	11	188	1	0	1	6	8	6	0	0	451
Total	23	566	106	0	1	87	45	48	0	0	37	810	14	0	1	24	35	27	0	0	1824

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Groups Printed- Cars

Start Time	TH 47 Southbound					49th Ave NE Westbound					TH 47 Northbound					49th 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	8	149	27	0	0	27	8	14	0	0	14	257	1	0	0	1	17	10	0	0	533
16:15	6	170	33	0	0	20	21	10	0	0	15	267	0	0	1	3	8	10	0	0	564
16:30	9	183	21	0	3	13	3	10	0	0	23	336	9	0	0	7	14	3	0	0	634
16:45	6	145	29	0	1	17	11	8	0	0	13	276	4	0	0	3	17	11	0	0	541
Total	29	647	110	0	4	77	43	42	0	0	65	1136	14	0	1	14	56	34	0	0	2272
17:00	8	174	37	0	0	12	15	11	0	1	27	297	7	0	0	5	10	3	0	0	607
17:15	6	181	25	0	0	18	20	17	0	0	20	221	4	0	0	3	7	6	0	0	528
17:30	10	148	20	0	0	17	13	11	0	0	16	225	1	0	0	5	12	6	0	0	484
17:45	11	159	22	0	0	21	8	13	0	0	23	193	5	0	0	6	6	3	0	0	470
Total	35	662	104	0	0	68	56	52	0	1	86	936	17	0	0	19	35	18	0	0	2089
18:00	6	141	19	0	1	22	4	5	0	0	13	170	3	0	0	1	10	6	0	0	401
18:15	6	114	27	0	0	17	5	13	0	0	6	147	5	0	0	3	2	9	0	0	354
Grand Total	235	6306	771	0	21	786	345	471	0	3	385	5939	94	0	11	157	302	261	0	2	16089
Apprch %	3.2	86	10.5	0	0.3	49	21.5	29.3	0	0.2	6	92.4	1.5	0	0.2	21.7	41.8	36.1	0	0.3	
Total %	1.5	39.2	4.8	0	0.1	4.9	2.1	2.9	0	0	2.4	36.9	0.6	0	0.1	1	1.9	1.6	0	0	

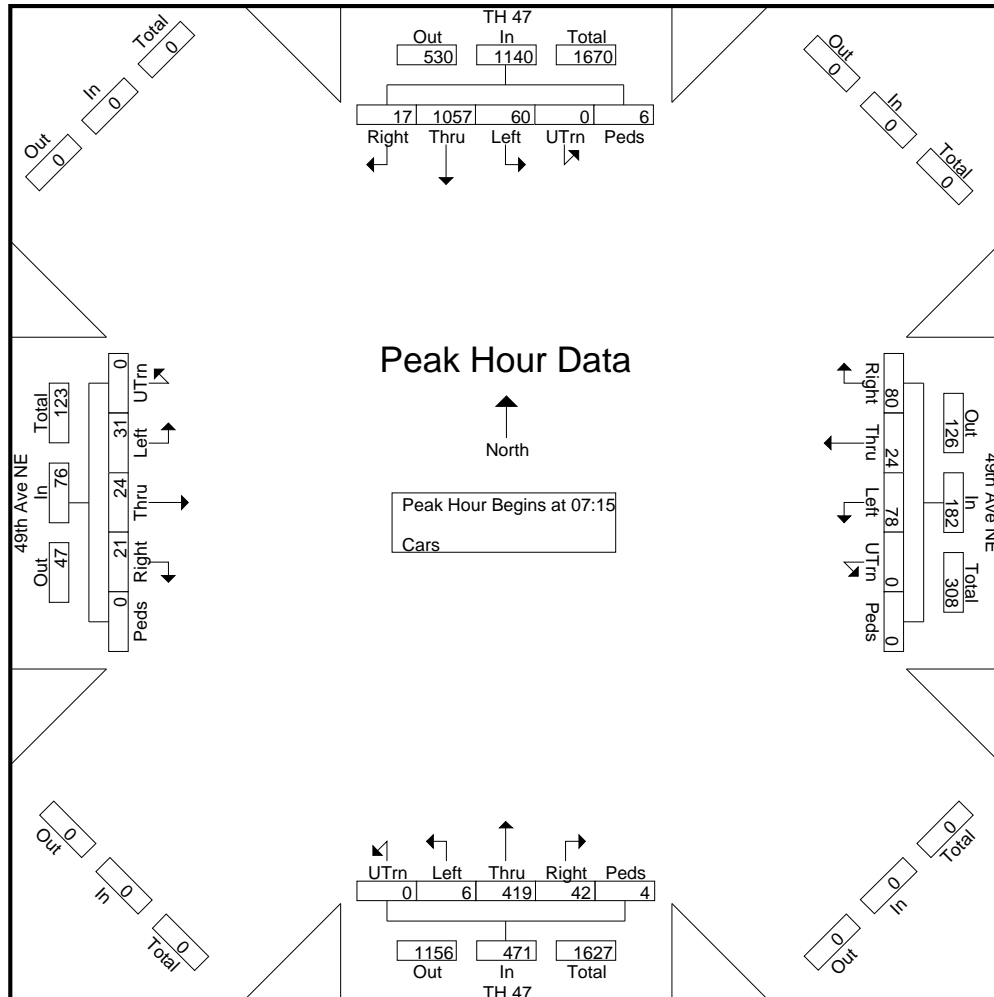
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Start Time	TH 47 Southbound						49th Ave NE Westbound						TH 47 Northbound						49th Ave NE Eastbound						Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	
07:15	4	262	13	0	3	282	21	7	8	0	0	36	7	94	0	0	4	105	9	6	10	0	0	25	448
07:30	1	293	14	0	0	308	24	5	29	0	0	58	10	112	0	0	0	122	3	5	7	0	0	15	503
07:45	9	269	24	0	2	304	26	4	20	0	0	50	13	102	3	0	0	118	7	6	7	0	0	20	492
08:00	3	233	9	0	1	246	9	8	21	0	0	38	12	111	3	0	0	126	2	7	7	0	0	16	426
Total Volume	17	1057	60	0	6	1140	80	24	78	0	0	182	42	419	6	0	4	471	21	24	31	0	0	76	1869
% App. Total	1.5	92.7	5.3	0	0.5		44	13.2	42.9	0	0		8.9	89	1.3	0	0.8		27.6	31.6	40.8	0	0		
PHF	.472	.902	.625	.000	.500	.925	.769	.750	.672	.000	.000	.784	.808	.935	.500	.000	.250	.935	.583	.857	.775	.000	.000	.760	.929

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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Start Time	TH 47 Southbound						49th Ave NE Westbound						TH 47 Northbound						49th 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	6	170	33	0	0	209	20	21	10	0	0	51	15	267	0	0	1	283	3	8	10	0	0	21	564
16:30	9	183	21	0	3	216	13	3	10	0	0	26	23	336	9	0	0	368	7	14	3	0	0	24	634
16:45	6	145	29	0	1	181	17	11	8	0	0	36	13	276	4	0	0	293	3	17	11	0	0	31	541
17:00	8	174	37	0	0	219	12	15	11	0	1	39	27	297	7	0	0	331	5	10	3	0	0	18	607
Total Volume	29	672	120	0	4	825	62	50	39	0	1	152	78	1176	20	0	1	1275	18	49	27	0	0	94	2346
% App. Total	3.5	81.5	14.5	0	0.5		40.8	32.9	25.7	0	0.7		6.1	92.2	1.6	0	0.1		19.1	52.1	28.7	0	0		
PHF	.806	.918	.811	.000	.333	.942	.775	.595	.886	.000	.250	.745	.722	.875	.556	.000	.250	.866	.643	.721	.614	.000	.000	.758	.925

