

Alliant Engineering Inc Minneapolis, MN 55415

TH-47 at 53rd Ave NE
Ref.Pt.: 007.373
Data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 13 - TH 47 & 53rd Ave
Site Code : 13
Start Date : 2/27/2013
Page No : 1

Groups Printed- Cars

Start Time	TH 47 Southbound					53rd Ave Westbound					TH 47 Northbound					53rd Ave 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	23	103	4	0	0	20	2	8	0	0	1	65	0	0	1	2	1	7	0	0	237
06:15	39	174	7	0	0	21	4	8	0	0	2	74	0	0	0	1	4	9	0	0	343
06:30	15	233	14	0	1	23	2	12	0	0	4	147	0	0	0	0	3	26	0	0	480
06:45	30	240	20	0	0	19	3	16	0	0	2	80	1	0	2	3	4	18	0	0	438
Total	107	750	45	0	1	83	11	44	0	0	9	366	1	0	3	6	12	60	0	0	1498
07:00	13	236	16	0	1	15	6	15	0	0	1	92	0	0	2	3	5	9	0	0	414
07:15	18	287	16	0	2	23	1	16	0	0	8	126	0	0	0	2	4	14	0	0	517
07:30	20	283	20	0	1	25	7	27	0	0	6	132	0	0	1	2	9	10	0	0	543
07:45	26	300	13	0	0	34	9	13	0	0	17	121	0	0	3	1	5	13	0	0	555
Total	77	1106	65	0	4	97	23	71	0	0	32	471	0	0	6	8	23	46	0	0	2029
08:00	16	241	20	0	0	20	4	23	0	0	12	122	0	0	0	1	5	10	0	0	474
08:15	15	193	17	0	0	24	0	19	0	0	6	126	0	0	0	0	6	8	0	0	414
08:30	16	183	16	0	2	35	6	17	0	0	6	100	1	0	0	2	4	11	0	0	399
08:45	18	142	19	0	0	23	5	8	0	0	1	111	3	0	0	5	3	10	0	0	348
Total	65	759	72	0	2	102	15	67	0	0	25	459	4	0	0	8	18	39	0	0	1635
09:00	17	120	19	0	0	30	6	4	0	0	8	102	0	0	2	1	6	15	0	0	330
09:15	10	125	25	0	1	23	4	5	0	0	6	101	1	0	2	2	5	10	0	0	320
*****BREAK*****																					
Total	27	245	44	0	1	53	10	9	0	0	14	203	1	0	4	3	11	25	0	0	650
*****BREAK*****																					
10:30	11	96	18	0	0	28	4	4	0	0	9	126	0	0	0	0	4	11	0	0	311
10:45	17	82	20	0	1	38	9	7	0	0	11	99	1	0	0	4	7	7	0	0	303
Total	28	178	38	0	1	66	13	11	0	0	20	225	1	0	0	4	11	18	0	0	614
11:00	12	115	15	0	0	23	5	8	0	0	7	88	0	0	0	1	4	9	0	0	287
11:15	9	112	20	0	0	23	11	4	0	0	8	102	3	0	0	2	4	14	0	0	312
11:30	10	126	20	0	0	37	6	3	0	0	16	120	2	0	0	2	2	12	0	0	356
11:45	15	127	19	0	0	29	12	10	0	0	9	113	3	0	0	1	9	8	0	0	355
Total	46	480	74	0	0	112	34	25	0	0	40	423	8	0	0	6	19	43	0	0	1310
12:00	17	123	41	0	0	35	6	9	0	0	6	104	1	0	0	1	13	13	0	0	369
12:15	20	132	33	0	0	37	7	9	0	0	11	108	1	0	0	1	5	10	0	0	374
12:30	18	113	42	0	0	30	11	10	0	0	12	126	3	0	0	1	6	5	0	0	377
12:45	15	114	44	0	0	36	14	8	0	0	10	105	2	0	0	2	8	10	0	0	368
Total	70	482	160	0	0	138	38	36	0	0	39	443	7	0	0	5	32	38	0	0	1488
13:00	12	135	28	1	1	32	6	9	0	0	14	121	1	0	0	0	7	9	0	0	376
13:15	15	97	28	0	0	30	11	6	0	0	7	142	3	0	0	5	17	1	0	0	362
*****BREAK*****																					
Total	27	232	56	1	1	62	17	15	0	0	21	263	4	0	0	5	24	10	0	0	738
*****BREAK*****																					
14:30	11	151	36	0	0	38	4	3	0	0	10	175	1	0	0	5	18	0	0	0	452
14:45	30	171	31	0	0	35	6	11	0	0	11	176	0	0	0	8	16	3	0	0	498
Total	41	322	67	0	0	73	10	14	0	0	21	351	1	0	0	13	34	3	0	0	950
15:00	16	179	36	0	0	30	4	12	0	0	8	183	1	0	0	6	13	11	0	0	499
15:15	17	157	38	0	0	30	9	15	0	0	11	194	3	0	3	7	20	6	0	0	510
15:30	15	184	39	0	0	27	10	11	0	0	13	267	2	0	0	10	29	0	0	0	607
15:45	20	191	44	0	0	30	9	3	0	0	11	224	0	0	1	4	8	10	0	0	555
Total	68	711	157	0	0	117	32	41	0	0	43	868	6	0	4	27	70	27	0	0	2171

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Groups Printed- Cars

Start Time	TH 47 Southbound					53rd Ave Westbound					TH 47 Northbound					53rd Ave 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	16	190	27	0	1	23	6	10	0	0	12	250	1	0	0	4	13	25	0	0	578
16:15	17	192	38	0	0	45	5	14	0	0	26	252	4	0	0	2	9	16	0	0	620
16:30	23	210	39	0	0	37	5	15	0	0	16	323	4	0	0	4	9	12	0	0	697
16:45	17	175	46	0	0	46	13	16	0	0	20	310	2	0	0	2	11	21	0	0	679
Total	73	767	150	0	1	151	29	55	0	0	74	1135	11	0	0	12	42	74	0	0	2574
17:00	27	207	45	0	1	47	14	16	0	0	21	249	4	0	0	1	9	11	0	0	652
17:15	24	220	35	0	1	44	10	9	0	0	24	265	5	0	0	2	11	14	0	0	664
17:30	18	156	44	0	0	42	8	8	0	0	17	211	1	0	0	2	11	13	0	0	531
17:45	16	188	41	0	2	39	12	9	0	0	16	222	5	0	0	0	7	14	0	0	571
Total	85	771	165	0	4	172	44	42	0	0	78	947	15	0	0	5	38	52	0	0	2418
18:00	16	154	36	0	0	38	7	9	0	0	9	194	4	0	1	2	9	12	0	0	491
18:15	17	144	33	0	0	34	8	11	0	0	8	153	2	0	0	3	1	11	0	0	425
Grand Total	747	7101	1162	1	15	1298	291	450	0	0	433	6501	65	0	18	107	344	458	0	0	18991
Apprch %	8.3	78.7	12.9	0	0.2	63.7	14.3	22.1	0	0	6.2	92.6	0.9	0	0.3	11.8	37.8	50.4	0	0	
Total %	3.9	37.4	6.1	0	0.1	6.8	1.5	2.4	0	0	2.3	34.2	0.3	0	0.1	0.6	1.8	2.4	0	0	

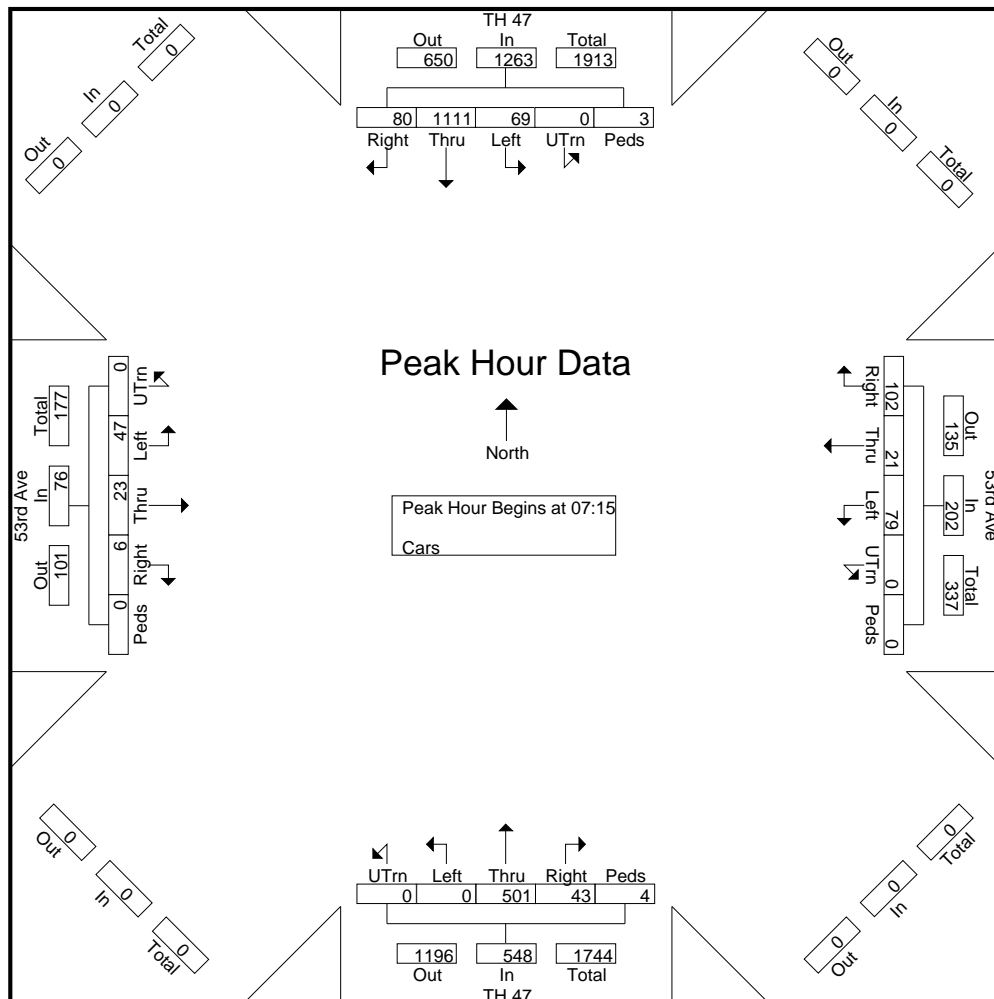
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	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
07:15	18	28	7	16	0	2	323	23	1	16	0	0	40	8	12	6	0	0	0	134	2	4	14	0	0	20	517
07:30	20	28	3	20	0	1	324	25	7	27	0	0	59	6	132	0	0	1	139	2	9	10	0	0	21	543	
07:45	26	300	13	0	0	339	34	9	13	0	0	56	17	121	0	0	3	141	1	5	13	0	0	19	555		
08:00	16	241	20	0	0	277	20	4	23	0	0	47	12	122	0	0	0	134	1	5	10	0	0	16	474		
Total Volume	80	1111	69	0	3	1263	102	21	79	0	0	202	43	501	0	0	4	548	6	23	47	0	0	76	2089		
% App. Total	6.3	88	5.5	0	0.2		50.5	10.4	39.1	0	0		7.8	91.4	0	0	0.7		7.9	30.3	61.8	0	0		.941		
PHF	.769	.926	.863	.000	.375	.931	.750	.583	.731	.000	.000	.856	.632	.949	.000	.000	.333	.972	.750	.639	.839	.000	.000	.905	.941		

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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Page No : 4

Start Time	TH 47 Southbound						53rd Ave Westbound						TH 47 Northbound						53rd Ave 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	23	21 0	39	0	0	272	37	5	15	0	0	57	16	323	4	0	0	343	4	9	12	0	0	25	697
16:45	17	17 5	46	0	0	238	46	13	16	0	0	75	20	310	2	0	0	332	2	11	21	0	0	34	679
17:00	27	207	45	0	1	280	47	14	16	0	0	77	21	249	4	0	0	274	1	9	11	0	0	21	652
17:15	24	220	35	0	1	280	44	10	9	0	0	63	24	265	5	0	0	294	2	11	14	0	0	27	664
Total Volume	91	812	165	0	2	1070	174	42	56	0	0	272	81	1147	15	0	0	1243	9	40	58	0	0	107	2692
% App. Total	8.5	75.9	15.4	0	0.2		64	15.4	20.6	0	0		6.5	92.3	1.2	0	0		8.4	37.4	54.2	0	0		
PHF	.843	.923	.897	.000	.500	.955	.926	.750	.875	.000	.000	.883	.844	.888	.750	.000	.000	.906	.563	.909	.690	.000	.000	.787	.966

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

