

Alliant Engineering Inc Minneapolis, MN 55415

TH-61 at Willow Lake Blvd
 Ref.Pt.: 144.214
 data by: Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 10 - TH 61 & Willow Lake Blvd
 Site Code : 10
 Start Date : 11/8/2012
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-61 Southbound					TH-61 Northbound					Willow Lake Blvd Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
06:00	0	0	136	1	0	0	1	38	0	0	0	0	0	1	0	177
06:15	0	0	230	1	0	0	15	65	0	0	0	0	0	4	0	315
06:30	0	0	345	4	0	0	23	67	0	0	0	3	0	8	0	450
06:45	0	0	388	11	0	0	30	77	0	0	0	0	0	7	1	514
Total	0	0	1099	17	0	0	69	247	0	0	0	3	0	20	1	1456
07:00	0	0	457	4	0	0	17	75	0	0	0	2	0	9	0	564
07:15	0	0	473	9	0	0	34	121	0	0	0	3	0	20	0	660
07:30	0	0	534	9	0	0	24	137	0	0	0	5	0	24	0	733
07:45	0	0	446	16	0	0	28	115	0	0	0	12	0	25	0	642
Total	0	0	1910	38	0	0	103	448	0	0	0	22	0	78	0	2599
08:00	0	0	313	17	0	0	41	117	0	0	0	5	0	9	0	502
08:15	0	0	284	6	0	0	21	115	0	0	0	2	0	11	0	439
08:30	0	0	265	7	0	0	16	123	0	0	0	4	0	11	0	426
08:45	0	0	269	5	0	0	22	133	0	0	0	3	0	10	0	442
Total	0	0	1131	35	0	0	100	488	0	0	0	14	0	41	0	1809
09:00	0	0	224	4	0	0	18	138	0	0	0	3	0	11	0	398
09:15	0	1	248	6	0	0	24	123	0	0	0	1	0	11	0	414
**** BREAK ****																
Total	0	1	472	10	0	0	42	261	0	0	0	4	0	22	0	812
**** BREAK ****																
10:30	0	0	210	5	0	0	20	162	0	0	0	5	0	18	0	420
10:45	0	0	191	6	0	0	18	157	0	0	0	1	0	23	0	396
Total	0	0	401	11	0	0	38	319	0	0	0	6	0	41	0	816
11:00	0	0	180	1	0	0	14	176	0	0	0	4	0	11	0	386
11:15	0	1	231	7	0	0	15	178	0	0	0	6	0	17	0	455
11:30	0	0	213	4	0	0	17	191	0	0	0	9	0	24	0	458
11:45	0	0	232	6	0	0	19	167	0	0	0	5	0	22	0	451
Total	0	1	856	18	0	0	65	712	0	0	0	24	0	74	0	1750
12:00	0	0	190	4	0	0	24	214	0	0	0	11	0	23	1	467
12:15	0	0	237	9	0	0	21	172	0	0	0	5	0	20	0	464
12:30	0	0	220	4	0	0	31	193	0	0	0	8	0	18	0	474
12:45	0	1	241	9	0	0	33	224	0	0	0	9	0	22	0	539
Total	0	1	888	26	0	0	109	803	0	0	0	33	0	83	1	1944
13:00	0	0	197	2	0	0	25	191	0	0	0	10	0	23	0	448
13:15	0	0	228	6	0	0	24	212	0	0	0	8	0	25	0	503
**** BREAK ****																
Total	0	0	425	8	0	0	49	403	0	0	0	18	0	48	0	951
**** BREAK ****																
14:30	0	0	225	8	0	0	14	240	0	0	0	9	0	24	0	520
14:45	0	0	219	3	0	0	19	228	0	0	0	1	0	20	0	490
Total	0	0	444	11	0	0	33	468	0	0	0	10	0	44	0	1010
15:00	0	0	232	4	0	0	21	278	0	0	0	10	0	31	0	576
15:15	0	0	246	7	0	0	23	295	0	0	0	3	0	22	0	596
15:30	0	0	267	6	0	0	23	343	0	0	0	6	0	37	0	682
15:45	0	1	244	11	0	0	27	314	0	0	0	7	0	25	0	629
Total	0	1	989	28	0	0	94	1230	0	0	0	26	0	115	0	2483

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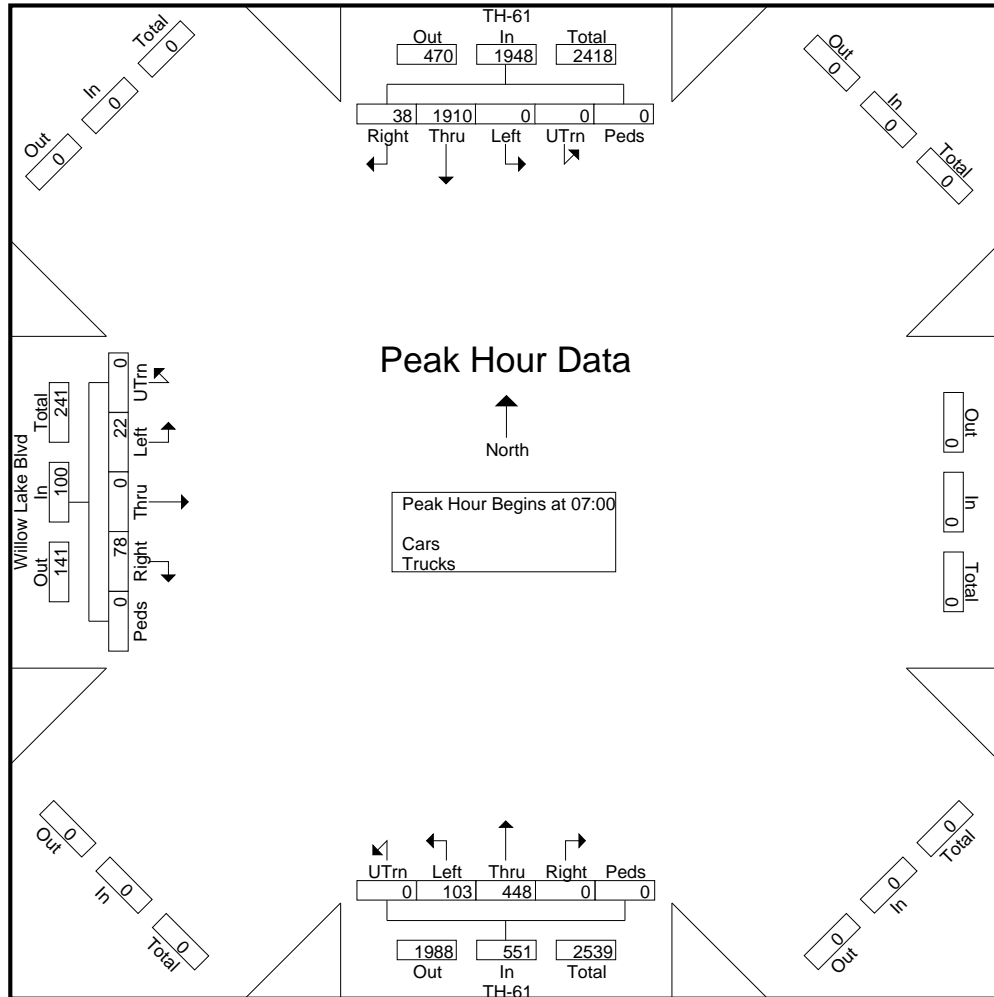
Start Time	TH-61 Southbound					TH-61 Northbound					Willow Lake Blvd Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
16:00	0	1	265	4	0	0	23	333	0	0	0	11	0	43	0	680
16:15	0	0	239	3	0	0	20	337	0	0	0	6	0	28	0	633
16:30	0	1	304	4	0	0	15	387	0	0	0	17	0	63	0	791
16:45	0	0	262	7	0	0	28	361	0	1	0	11	0	23	0	693
Total	0	2	1070	18	0	0	86	1418	0	1	0	45	0	157	0	2797
17:00	0	0	265	2	0	0	20	388	0	0	0	16	0	42	0	733
17:15	0	0	272	7	0	0	21	364	0	0	0	6	0	37	0	707
17:30	0	0	220	2	0	0	12	302	0	0	0	7	0	29	0	572
17:45	0	0	220	6	0	0	13	318	0	0	0	3	0	25	0	585
Total	0	0	977	17	0	0	66	1372	0	0	0	32	0	133	0	2597
18:00	0	0	224	1	0	0	8	256	0	0	0	2	0	24	0	515
18:15	0	0	173	0	0	0	3	231	0	0	0	3	0	12	0	422
Grand Total	0	6	11059	238	0	0	865	8656	0	1	0	242	0	892	2	21961
Apprch %	0	0.1	97.8	2.1	0	0	9.1	90.9	0	0	0	21.3	0	78.5	0.2	
Total %	0	0	50.4	1.1	0	0	3.9	39.4	0	0	0	1.1	0	4.1	0	
Cars	0	6	10711	227	0	0	816	8391	0	1	0	220	0	854	2	21228
% Cars	0	100	96.9	95.4	0	0	94.3	96.9	0	100	0	90.9	0	95.7	100	96.7
Trucks	0	0	348	11	0	0	49	265	0	0	0	22	0	38	0	733
% Trucks	0	0	3.1	4.6	0	0	5.7	3.1	0	0	0	9.1	0	4.3	0	3.3

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	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 06:00 to 09:15 - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 07:00																			
07:00	0	0	457	4	0	461	0	17	75	0	0	92	0	2	0	9	0	11	564
07:15	0	0	473	9	0	482	0	34	121	0	0	155	0	3	0	20	0	23	660
07:30	0	0	534	9	0	543	0	24	137	0	0	161	0	5	0	24	0	29	733
07:45	0	0	446	16	0	462	0	28	115	0	0	143	0	12	0	25	0	37	642
Total Volume	0	0	1910	38	0	1948	0	103	448	0	0	551	0	22	0	78	0	100	2599
% App. Total	0	0	98	2	0		0	18.7	81.3	0	0		0	22	0	78	0		
PHF	.000	.000	.894	.594	.000	.897	.000	.757	.818	.000	.000	.856	.000	.458	.000	.780	.000	.676	.886



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Start Time	TH-61 Southbound						TH-61 Northbound						Willow Lake Blvd Eastbound						Int. 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 18:15 - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 16:30																			
16:30	0	1	304	4	0	309	0	15	387	0	0	402	0	17	0	63	0	80	791
16:45	0	0	262	7	0	269	0	28	361	0	1	390	0	11	0	23	0	34	693
17:00	0	0	265	2	0	267	0	20	388	0	0	408	0	16	0	42	0	58	733
17:15	0	0	272	7	0	279	0	21	364	0	0	385	0	6	0	37	0	43	707
Total Volume	0	1	1103	20	0	1124	0	84	1500	0	1	1585	0	50	0	165	0	215	2924
% App. Total	0	0.1	98.1	1.8	0		0	5.3	94.6	0	0.1		0	23.3	0	76.7	0		
PHF	.000	.250	.907	.714	.000	.909	.000	.750	.966	.000	.250	.971	.000	.735	.000	.655	.000	.672	.924

