

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Egg Lake Road (140th Street)
 Ref Pt: 152+00.000
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 523_TH 61 and Egg Lake Road (140th Street)
 Site Code : 1736370
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					140th St N Westbound					TH 61 Northbound					140th St N Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
05:00 AM	5	26	1	0	32	9	0	2	0	11	0	4	0	0	4	0	0	4	0	4	51
05:15 AM	15	35	1	0	51	8	0	7	0	15	0	15	1	0	16	3	0	2	0	5	87
05:30 AM	17	51	4	0	72	15	0	5	0	20	2	11	1	0	14	0	0	7	0	7	113
05:45 AM	33	71	4	0	108	25	2	10	0	37	1	25	2	0	28	4	3	8	0	15	188
Total	70	183	10	0	263	57	2	24	0	83	3	55	4	0	62	7	3	21	0	31	439
06:00 AM	33	92	10	0	135	33	4	11	0	48	0	21	0	0	21	4	2	11	0	17	221
06:15 AM	18	163	10	0	191	26	0	21	0	47	1	36	4	0	41	6	1	10	0	17	296
06:30 AM	24	189	6	0	219	38	5	26	0	69	4	47	0	0	51	17	1	11	0	29	368
06:45 AM	26	250	5	0	281	33	9	23	0	65	5	58	4	0	67	10	0	7	0	17	430
Total	101	694	31	0	826	130	18	81	0	229	10	162	8	0	180	37	4	39	0	80	1315
07:00 AM	39	243	16	0	298	34	5	13	0	52	3	62	3	0	68	7	2	11	0	20	438
07:15 AM	25	241	17	0	283	32	4	29	0	65	3	86	3	0	92	6	0	14	0	20	460
07:30 AM	21	231	25	0	277	35	2	23	0	60	8	72	2	0	82	6	1	16	0	23	442
07:45 AM	21	215	15	0	251	33	3	20	0	56	3	95	1	0	99	6	1	12	0	19	425
Total	106	930	73	0	1109	134	14	85	0	233	17	315	9	0	341	25	4	53	0	82	1765
08:00 AM	19	181	20	0	220	25	2	22	0	49	6	87	6	0	99	4	1	17	0	22	390
08:15 AM	11	121	22	0	154	31	3	13	0	47	9	96	0	0	105	6	1	11	0	18	324
08:30 AM	10	119	26	0	155	22	3	11	0	36	6	73	4	0	83	9	3	7	0	19	293
08:45 AM	11	138	15	0	164	29	1	10	0	40	3	79	4	0	86	7	0	11	0	18	308
Total	51	559	83	0	693	107	9	56	0	172	24	335	14	0	373	26	5	46	0	77	1315
09:00 AM	15	110	21	0	146	25	1	10	0	36	4	70	4	0	78	7	0	16	0	23	283
09:15 AM	15	107	25	0	147	32	1	12	0	45	9	77	6	0	92	4	1	15	0	20	304
09:30 AM	21	92	23	0	136	22	0	11	0	33	7	73	1	0	81	5	1	9	0	15	265
09:45 AM	8	99	19	0	126	35	0	17	0	52	4	76	7	0	87	5	2	9	0	16	281
Total	59	408	88	0	555	114	2	50	0	166	24	296	18	0	338	21	4	49	0	74	1133
10:00 AM	16	105	20	0	141	26	1	10	0	37	9	56	5	0	70	3	1	8	0	12	260
10:15 AM	14	93	18	0	125	28	1	7	0	36	6	80	4	0	90	6	0	14	0	20	271
10:30 AM	17	98	27	0	142	23	2	5	0	30	7	68	6	0	81	5	2	19	0	26	279
10:45 AM	12	78	24	0	114	25	1	10	0	36	12	82	2	1	97	3	3	13	0	19	266
Total	59	374	89	0	522	102	5	32	0	139	34	286	17	1	338	17	6	54	0	77	1076
11:00 AM	21	81	25	0	127	26	2	10	0	38	8	95	4	0	107	5	4	39	0	48	320
11:15 AM	27	86	22	0	135	30	2	7	0	39	7	78	8	0	93	9	2	19	0	30	297
11:30 AM	25	86	32	0	143	15	3	5	0	23	19	97	6	0	122	4	3	23	0	30	318
11:45 AM	26	91	32	0	149	28	2	8	0	38	10	87	7	0	104	4	2	28	0	34	325
Total	99	344	111	0	554	99	9	30	0	138	44	357	25	0	426	22	11	109	0	142	1260
12:00 PM	21	88	33	0	142	22	2	11	0	35	6	76	4	0	86	8	4	24	0	36	299
12:15 PM	30	92	25	0	147	35	4	4	0	43	13	95	5	1	114	4	3	21	0	28	332
12:30 PM	15	84	38	0	137	19	1	6	0	26	7	71	1	0	79	4	3	17	0	24	266
12:45 PM	11	93	30	0	134	27	0	6	0	33	5	113	4	0	122	5	1	12	0	18	307
Total	77	357	126	0	560	103	7	27	0	137	31	355	14	1	401	21	11	74	0	106	1204
01:00 PM	19	81	32	0	132	23	1	6	0	30	9	105	1	0	115	7	1	17	0	25	302
01:15 PM	18	86	24	0	128	20	1	6	0	27	10	82	7	0	99	3	1	11	0	15	269
01:30 PM	21	87	24	0	132	33	3	7	0	43	8	96	4	0	108	7	2	19	0	28	311
01:45 PM	26	100	18	0	144	24	3	4	0	31	7	111	1	0	119	2	1	17	0	20	314
Total	84	354	98	0	536	100	8	23	0	131	34	394	13	0	441	19	5	64	0	88	1196

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 TURN MOVEMENT COUNT

File Name : 523_TH 61 and Egg Lake Road (140th Street)
 Site Code : 1736370
 Start Date : 11/7/2019
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					140th St N Westbound					TH 61 Northbound					140th St N Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
02:00 PM	19	104	33	0	156	25	1	9	0	35	8	127	5	0	140	1	4	22	0	27	358
02:15 PM	22	87	32	0	141	18	3	7	0	28	13	115	10	0	138	6	1	14	0	21	328
02:30 PM	24	90	28	0	142	26	2	2	0	30	14	152	5	0	171	4	7	26	0	37	380
02:45 PM	27	95	33	0	155	25	5	7	0	37	10	127	16	0	153	3	1	16	0	20	365
Total	92	376	126	0	594	94	11	25	0	130	45	521	36	0	602	14	13	78	0	105	1431
03:00 PM	18	109	34	0	161	19	7	11	0	37	19	160	9	0	188	2	5	24	0	31	417
03:15 PM	25	87	35	0	147	32	3	8	0	43	17	206	6	0	229	5	5	24	0	34	453
03:30 PM	17	99	29	0	145	28	4	8	0	40	19	177	8	0	204	5	3	22	0	30	419
03:45 PM	30	126	26	0	182	37	1	9	0	47	17	166	10	0	193	6	7	35	0	48	470
Total	90	421	124	0	635	116	15	36	0	167	72	709	33	0	814	18	20	105	0	143	1759
04:00 PM	27	144	47	0	218	38	5	9	0	52	28	178	12	0	218	7	10	53	0	70	558
04:15 PM	28	109	47	0	184	49	3	16	0	68	16	218	10	0	244	5	4	35	0	44	540
04:30 PM	22	112	47	0	181	35	2	11	0	48	20	186	8	0	214	2	5	46	0	53	496
04:45 PM	23	148	38	0	209	37	3	15	0	55	20	168	8	0	196	3	7	31	0	41	501
Total	100	513	179	0	792	159	13	51	0	223	84	750	38	0	872	17	26	165	0	208	2095
05:00 PM	17	125	45	0	187	29	6	12	0	47	18	213	11	0	242	5	5	27	0	37	513
05:15 PM	17	104	51	0	172	24	3	11	0	38	24	168	4	0	196	7	6	29	0	42	448
05:30 PM	12	123	37	0	172	25	2	14	0	41	13	139	3	0	155	2	9	12	0	23	391
05:45 PM	13	101	35	0	149	25	2	8	0	35	12	155	6	0	173	3	2	22	0	27	384
Total	59	453	168	0	680	103	13	45	0	161	67	675	24	0	766	17	22	90	0	129	1736
Grand Total	1047	5966	1306	0	8319	1418	126	565	0	2109	489	5210	253	2	5954	261	134	947	0	1342	17724
Apprch %	12.6	71.7	15.7	0		67.2	6	26.8	0		8.2	87.5	4.2	0		19.4	10	70.6	0		
Total %	5.9	33.7	7.4	0	46.9	8	0.7	3.2	0	11.9	2.8	29.4	1.4	0	33.6	1.5	0.8	5.3	0	7.6	
Cars	937	5648	1078	0	7663	1213	116	547	0	1876	472	4904	225	2	5603	242	126	832	0	1200	16342
% Cars	89.5	94.7	82.5	0	92.1	85.5	92.1	96.8	0	89	96.5	94.1	88.9	100	94.1	92.7	94	87.9	0	89.4	92.2
Trucks	110	318	228	0	656	205	10	18	0	233	17	306	28	0	351	19	8	115	0	142	1382
% Trucks	10.5	5.3	17.5	0	7.9	14.5	7.9	3.2	0	11	3.5	5.9	11.1	0	5.9	7.3	6	12.1	0	10.6	7.8

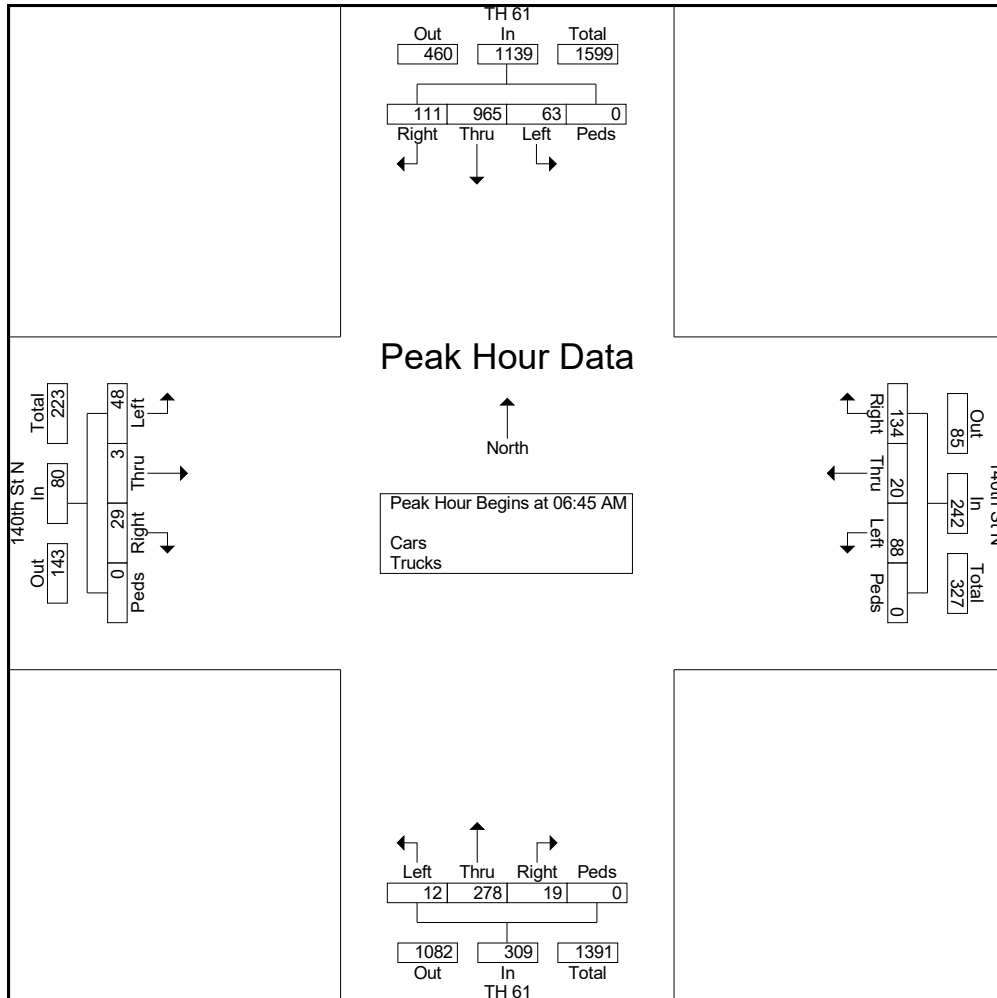
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 05:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	26	250	5	0	281	33	9	23	0	65	5	58	4	0	67	10	0	7	0	17	430
07:00 AM	39	243	16	0	298	34	5	13	0	52	3	62	3	0	68	7	2	11	0	20	438
07:15 AM	25	241	17	0	283	32	4	29	0	65	3	86	3	0	92	6	0	14	0	20	460
07:30 AM	21	231	25	0	277	35	2	23	0	60	8	72	2	0	82	6	1	16	0	23	442
Total Volume	111	965	63	0	1139	134	20	88	0	242	19	278	12	0	309	29	3	48	0	80	1770
% App. Total	9.7	84.7	5.5	0		55.4	8.3	36.4	0		6.1	90	3.9	0		36.2	3.8	60	0		
PHF	.712	.965	.630	.000	.956	.957	.556	.759	.000	.931	.594	.808	.750	.000	.840	.725	.375	.750	.000	.870	.962



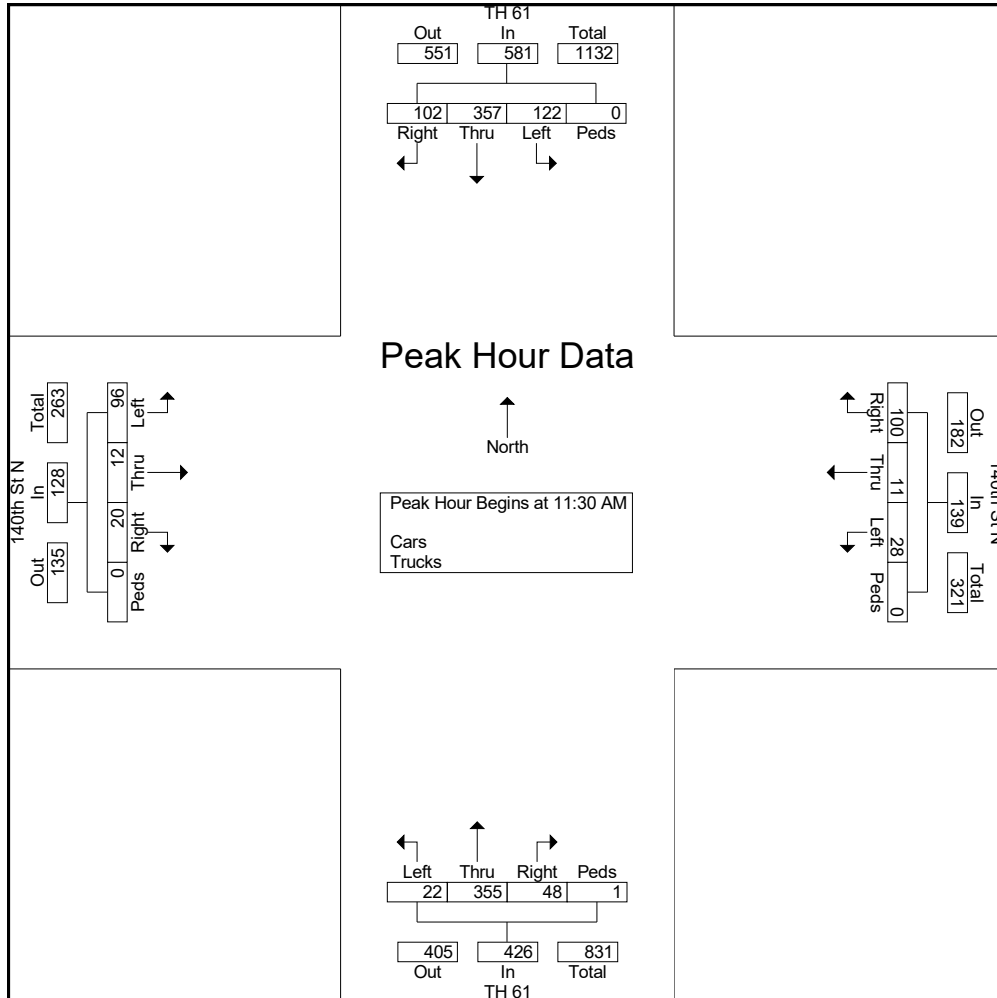
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 Start Date : 11/7/2019
 Page No : 4

Start Time	TH 61 Southbound					140th St N Westbound					TH 61 Northbound					140th St N Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 09:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	25	86	32	0	143	15	3	5	0	23	19	97	6	0	122	4	3	23	0	30	318
11:45 AM	26	91	32	0	149	28	2	8	0	38	10	87	7	0	104	4	2	28	0	34	325
12:00 PM	21	88	33	0	142	22	2	11	0	35	6	76	4	0	86	8	4	24	0	36	299
12:15 PM	30	92	25	0	147	35	4	4	0	43	13	95	5	1	114	4	3	21	0	28	332
Total Volume	102	357	122	0	581	100	11	28	0	139	48	355	22	1	426	20	12	96	0	128	1274
% App. Total	17.6	61.4	21	0		71.9	7.9	20.1	0		11.3	83.3	5.2	0.2		15.6	9.4	75	0		
PHF	.850	.970	.924	.000	.975	.714	.688	.636	.000	.808	.632	.915	.786	.250	.873	.625	.750	.857	.000	.889	.959



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File Name : 523_TH 61 and Egg Lake Road (140th Street)
 Site Code : 1736370
 Start Date : 11/7/2019
 Page No : 5

Start Time	TH 61 Southbound					140th St N Westbound					TH 61 Northbound					140th St N Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	27	144	47	0	218	38	5	9	0	52	28	178	12	0	218	7	10	53	0	70	558
04:15 PM	28	109	47	0	184	49	3	16	0	68	16	218	10	0	244	5	4	35	0	44	540
04:30 PM	22	112	47	0	181	35	2	11	0	48	20	186	8	0	214	2	5	46	0	53	496
04:45 PM	23	148	38	0	209	37	3	15	0	55	20	168	8	0	196	3	7	31	0	41	501
Total Volume	100	513	179	0	792	159	13	51	0	223	84	750	38	0	872	17	26	165	0	208	2095
% App. Total	12.6	64.8	22.6	0		71.3	5.8	22.9	0		9.6	86	4.4	0		8.2	12.5	79.3	0		
PHF	.893	.867	.952	.000	.908	.811	.650	.797	.000	.820	.750	.860	.792	.000	.893	.607	.650	.778	.000	.743	.939

