

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & 147th St N
 Ref Pt: 152+00.821
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 525_TH 61 and 147th Street North
 Site Code : 1736709
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					147th St Westbound					TH 61 Northbound					147th St 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		
06:00 AM	1	233	0	0	234	7	0	49	0	56	4	29	0	0	33	2	0	0	0	2	2	325
06:15 AM	0	258	2	0	260	1	1	38	0	40	8	48	0	0	56	1	0	0	0	1	1	357
06:30 AM	0	266	2	0	268	5	0	41	0	46	6	39	0	0	45	0	0	1	0	1	1	360
06:45 AM	1	251	3	0	255	5	0	72	0	77	6	66	2	0	74	1	1	2	0	4	4	410
Total	2	1008	7	0	1017	18	1	200	0	219	24	182	2	0	208	4	1	3	0	8	8	1452
07:00 AM	1	248	4	0	253	7	0	76	0	83	9	60	0	0	69	0	0	0	0	0	0	405
07:15 AM	2	251	5	0	258	13	0	59	0	72	15	74	1	0	90	2	0	2	0	4	4	424
07:30 AM	1	243	4	0	248	3	0	74	0	77	10	66	0	0	76	2	0	3	0	5	5	406
07:45 AM	2	207	3	0	212	8	1	40	0	49	19	64	1	0	84	2	0	2	0	4	4	349
Total	6	949	16	0	971	31	1	249	0	281	53	264	2	0	319	6	0	7	0	13	13	1584
08:00 AM	5	174	6	0	185	6	1	33	0	40	16	87	0	0	103	1	0	0	0	1	1	329
08:15 AM	2	148	0	0	150	5	1	26	0	32	15	69	0	0	84	3	0	2	0	5	5	271
08:30 AM	1	160	3	0	164	8	0	20	0	28	6	77	2	0	85	1	1	0	0	2	2	279
08:45 AM	5	142	9	0	156	11	0	42	0	53	14	87	0	0	101	0	0	2	0	2	2	312
Total	13	624	18	0	655	30	2	121	0	153	51	320	2	0	373	5	1	4	0	10	10	1191
09:00 AM	0	135	4	0	139	5	1	39	0	45	7	72	1	0	80	5	0	4	0	9	9	273
09:15 AM	2	114	6	0	122	8	1	24	0	33	21	67	1	0	89	0	0	3	0	3	3	247
*** BREAK ***																						
Total	2	249	10	0	261	13	2	63	0	78	28	139	2	0	169	5	0	7	0	12	12	520
*** BREAK ***																						
10:30 AM	3	70	4	0	77	11	1	17	0	29	17	87	2	0	106	2	0	2	0	4	4	216
10:45 AM	0	102	5	0	107	4	1	17	0	22	10	83	5	0	98	4	0	0	0	4	4	231
Total	3	172	9	0	184	15	2	34	0	51	27	170	7	0	204	6	0	2	0	8	8	447
11:00 AM	5	96	7	0	108	6	3	18	0	27	14	98	7	0	119	8	0	2	0	10	10	264
11:15 AM	2	96	0	0	98	5	2	24	1	32	21	91	7	2	121	6	0	4	0	10	10	261
11:30 AM	4	104	6	0	114	6	1	17	0	24	18	83	12	0	113	11	0	7	0	18	18	269
11:45 AM	4	102	5	0	111	2	3	24	0	29	16	77	6	0	99	9	3	1	1	14	14	253
Total	15	398	18	0	431	19	9	83	1	112	69	349	32	2	452	34	3	14	1	52	52	1047
12:00 PM	5	105	2	0	112	11	0	14	0	25	19	86	11	0	116	4	0	4	0	8	8	261
12:15 PM	4	99	2	0	105	9	1	20	0	30	27	102	7	0	136	9	1	1	0	11	11	282
12:30 PM	4	96	5	0	105	5	1	22	0	28	11	102	4	2	119	7	0	5	0	12	12	264
12:45 PM	4	95	3	0	102	4	1	22	0	27	22	108	3	0	133	4	2	4	0	10	10	272
Total	17	395	12	0	424	29	3	78	0	110	79	398	25	2	504	24	3	14	0	41	41	1079
01:00 PM	2	89	7	0	98	3	0	17	0	20	14	105	3	0	122	6	3	3	0	12	12	252
01:15 PM	1	87	8	0	96	3	0	17	0	20	17	100	1	0	118	1	0	2	0	3	3	237
*** BREAK ***																						
Total	3	176	15	0	194	6	0	34	0	40	31	205	4	0	240	7	3	5	0	15	15	489
*** BREAK ***																						
02:30 PM	4	98	8	0	110	9	0	17	1	27	24	126	3	0	153	5	1	5	0	11	11	301
02:45 PM	3	113	6	0	122	4	0	16	0	20	37	137	0	0	174	3	1	1	0	5	5	321
Total	7	211	14	0	232	13	0	33	1	47	61	263	3	0	327	8	2	6	0	16	16	622
03:00 PM	1	91	7	0	99	12	1	20	1	34	33	155	2	0	190	1	1	2	0	4	4	327
03:15 PM	3	93	9	0	105	12	1	23	0	36	47	202	6	0	255	2	1	2	0	5	5	401
03:30 PM	1	139	9	0	149	19	1	30	0	50	53	184	1	0	238	1	4	4	0	9	9	446

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 Start Date : 11/7/2019
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					147th St Westbound					TH 61 Northbound					147th St 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	
03:45 PM	2	114	14	0	130	10	3	46	0	59	61	181	8	1	251	4	2	4	0	10	450
Total	7	437	39	0	483	53	6	119	1	179	194	722	17	1	934	8	8	12	0	28	1624
04:00 PM	1	109	11	0	121	10	1	42	0	53	41	204	2	0	247	1	0	3	0	4	425
04:15 PM	2	99	9	0	110	15	1	17	0	33	57	181	3	0	241	1	1	4	0	6	390
04:30 PM	4	119	10	0	133	14	0	32	0	46	62	201	4	0	267	1	1	6	0	8	454
04:45 PM	1	117	6	0	124	12	2	26	0	40	48	220	8	0	276	3	3	7	0	13	453
Total	8	444	36	0	488	51	4	117	0	172	208	806	17	0	1031	6	5	20	0	31	1722
05:00 PM	4	118	5	0	127	9	2	36	0	47	69	176	6	0	251	7	2	1	0	10	435
05:15 PM	3	110	7	0	120	5	4	26	0	35	52	175	3	0	230	4	1	5	0	10	395
05:30 PM	3	83	11	0	97	18	3	28	0	49	51	164	7	0	222	3	2	1	0	6	374
05:45 PM	6	99	3	0	108	9	2	21	0	32	37	170	8	0	215	6	0	1	0	7	362
Total	16	410	26	0	452	41	11	111	0	163	209	685	24	0	918	20	5	8	0	33	1566
Grand Total	99	5473	220	0	5792	319	41	1242	3	1605	1034	4503	137	5	5679	133	31	102	1	267	13343
Apprch %	1.7	94.5	3.8	0		19.9	2.6	77.4	0.2		18.2	79.3	2.4	0.1		49.8	11.6	38.2	0.4		
Total %	0.7	41	1.6	0	43.4	2.4	0.3	9.3	0	12	7.7	33.7	1	0	42.6	1	0.2	0.8	0	2	
Cars	93	5224	210	0	5527	309	40	1204	3	1556	1007	4257	134	5	5403	132	30	98	1	261	12747
% Cars	93.9	95.5	95.5	0	95.4	96.9	97.6	96.9	100	96.9	97.4	94.5	97.8	100	95.1	99.2	96.8	96.1	100	97.8	95.5
Trucks	6	249	10	0	265	10	1	38	0	49	27	246	3	0	276	1	1	4	0	6	596
% Trucks	6.1	4.5	4.5	0	4.6	3.1	2.4	3.1	0	3.1	2.6	5.5	2.2	0	4.9	0.8	3.2	3.9	0	2.2	4.5

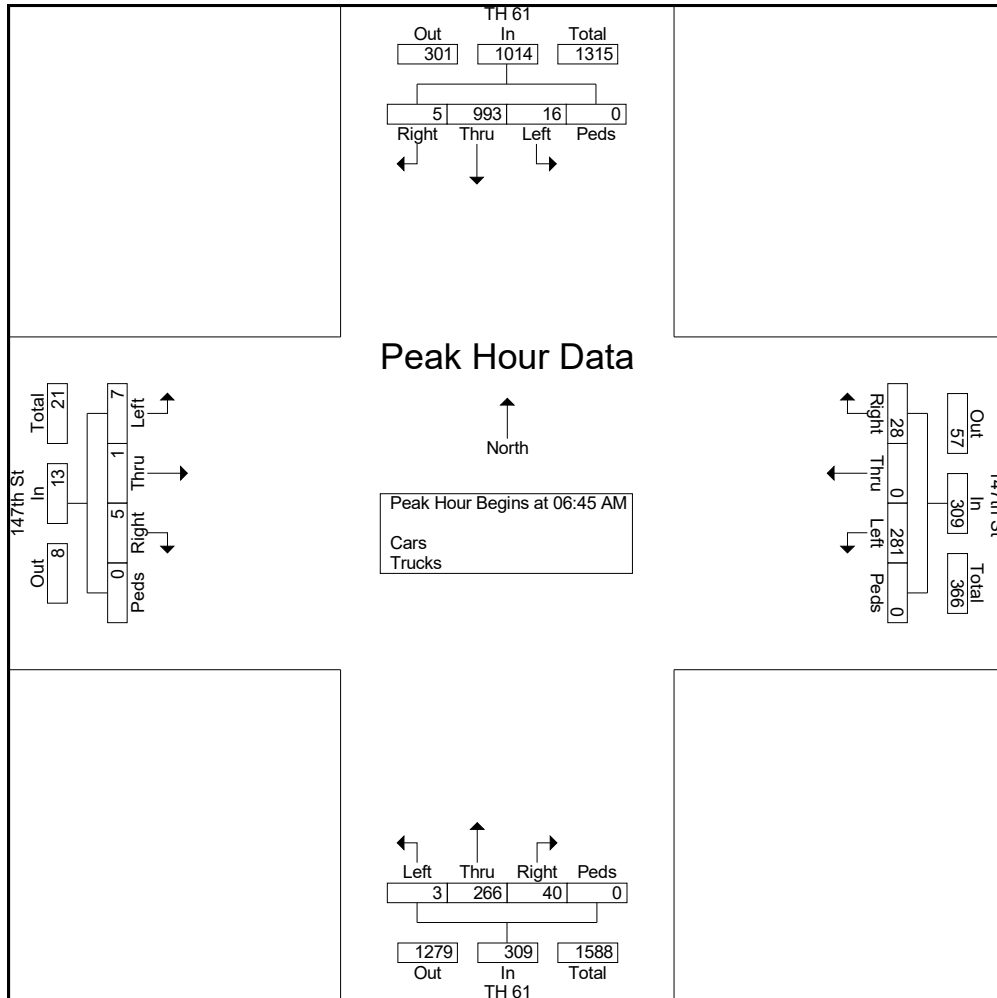
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Start Time	TH 61 Southbound					147th St Westbound					TH 61 Northbound					147th St Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	1	251	3	0	255	5	0	72	0	77	6	66	2	0	74	1	1	2	0	4	410
07:00 AM	1	248	4	0	253	7	0	76	0	83	9	60	0	0	69	0	0	0	0	0	405
07:15 AM	2	251	5	0	258	13	0	59	0	72	15	74	1	0	90	2	0	2	0	4	424
07:30 AM	1	243	4	0	248	3	0	74	0	77	10	66	0	0	76	2	0	3	0	5	406
Total Volume	5	993	16	0	1014	28	0	281	0	309	40	266	3	0	309	5	1	7	0	13	1645
% App. Total	0.5	97.9	1.6	0		9.1	0	90.9	0		12.9	86.1	1	0		38.5	7.7	53.8	0		
PHF	.625	.989	.800	.000	.983	.538	.000	.924	.000	.931	.667	.899	.375	.000	.858	.625	.250	.583	.000	.650	.970



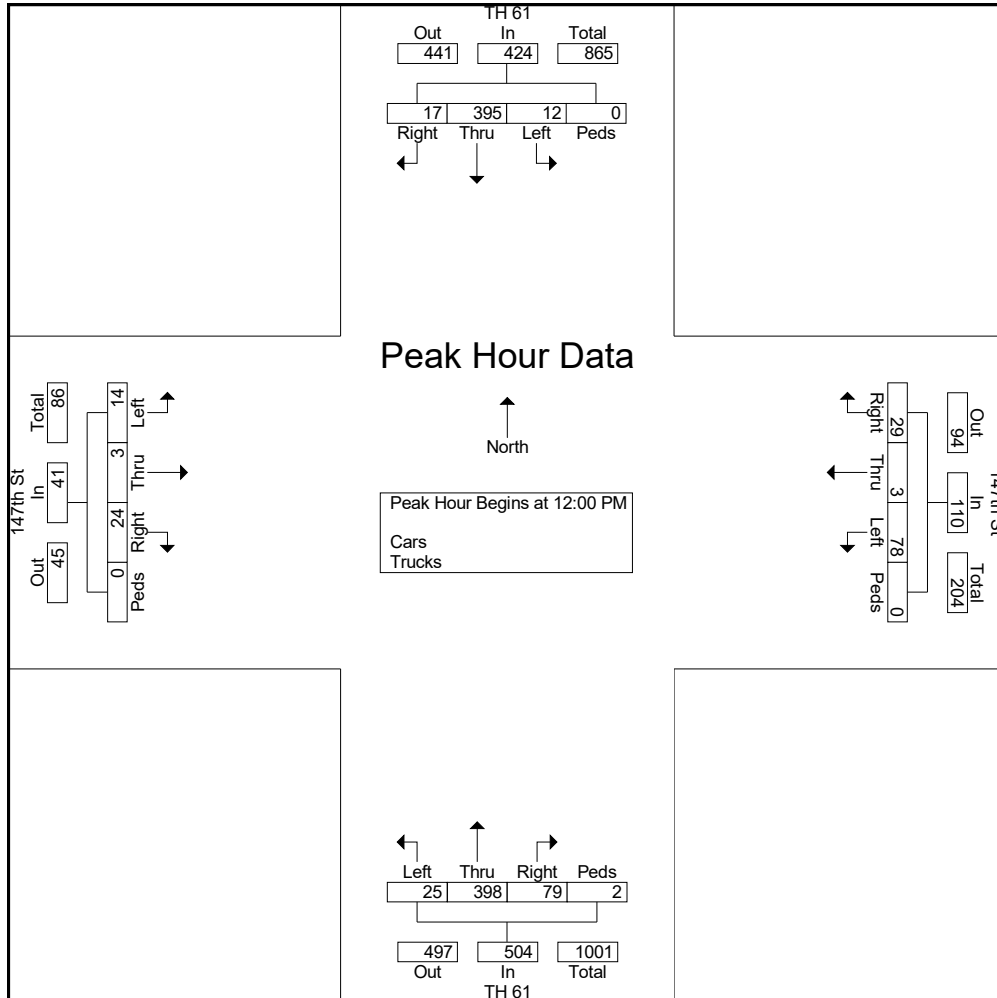
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 Page No : 4

Start Time	TH 61 Southbound					147th St Westbound					TH 61 Northbound					147th St 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 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	5	105	2	0	112	11	0	14	0	25	19	86	11	0	116	4	0	4	0	8	261
12:15 PM	4	99	2	0	105	9	1	20	0	30	27	102	7	0	136	9	1	1	0	11	282
12:30 PM	4	96	5	0	105	5	1	22	0	28	11	102	4	2	119	7	0	5	0	12	264
12:45 PM	4	95	3	0	102	4	1	22	0	27	22	108	3	0	133	4	2	4	0	10	272
Total Volume	17	395	12	0	424	29	3	78	0	110	79	398	25	2	504	24	3	14	0	41	1079
% App. Total	4	93.2	2.8	0		26.4	2.7	70.9	0		15.7	79	5	0.4		58.5	7.3	34.1	0		
PHF	.850	.940	.600	.000	.946	.659	.750	.886	.000	.917	.731	.921	.568	.250	.926	.667	.375	.700	.000	.854	.957



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File Name : 525_TH 61 and 147th Street North
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 Page No : 5

Start Time	TH 61 Southbound					147th St Westbound					TH 61 Northbound					147th St 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 02:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	4	119	10	0	133	14	0	32	0	46	62	201	4	0	267	1	1	6	0	8	454
04:45 PM	1	117	6	0	124	12	2	26	0	40	48	220	8	0	276	3	3	7	0	13	453
05:00 PM	4	118	5	0	127	9	2	36	0	47	69	176	6	0	251	7	2	1	0	10	435
05:15 PM	3	110	7	0	120	5	4	26	0	35	52	175	3	0	230	4	1	5	0	10	395
Total Volume	12	464	28	0	504	40	8	120	0	168	231	772	21	0	1024	15	7	19	0	41	1737
% App. Total	2.4	92.1	5.6	0		23.8	4.8	71.4	0		22.6	75.4	2.1	0		36.6	17.1	46.3	0		
PHF	.750	.975	.700	.000	.947	.714	.500	.833	.000	.894	.837	.877	.656	.000	.928	.536	.583	.679	.000	.788	.956

