

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & CR E
 Ref Pt: 114+00.467
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 511_TH 61 and County Road E
 Site Code : 1735489
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					CR E Westbound					TH 61 Northbound					CR E 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	2	47	1	0	50	0	6	13	0	19	0	23	6	0	29	0	7	3	0	10	108
05:15 AM	3	68	3	0	74	0	5	8	0	13	2	20	9	0	31	2	4	2	0	8	126
05:30 AM	11	114	5	0	130	3	20	21	0	44	2	60	4	0	66	3	9	6	0	18	258
05:45 AM	8	120	7	0	135	1	14	9	0	24	16	62	12	0	90	3	23	7	0	33	282
Total	24	349	16	0	389	4	45	51	0	100	20	165	31	0	216	8	43	18	0	69	774
06:00 AM	19	171	11	0	201	0	31	33	0	64	7	53	10	0	70	3	16	8	0	27	362
06:15 AM	19	275	11	0	305	2	32	44	0	78	14	62	13	0	89	5	14	10	0	29	501
06:30 AM	19	361	16	0	396	8	35	48	0	91	14	86	16	0	116	5	19	15	0	39	642
06:45 AM	36	337	32	0	405	5	68	50	0	123	10	79	14	0	103	13	30	16	0	59	690
Total	93	1144	70	0	1307	15	166	175	0	356	45	280	53	0	378	26	79	49	0	154	2195
07:00 AM	37	385	16	0	438	8	62	46	0	116	14	99	24	0	137	12	54	15	0	81	772
07:15 AM	46	365	37	0	448	4	86	61	0	151	8	95	27	1	131	22	65	17	0	104	834
07:30 AM	42	433	48	0	523	2	71	47	0	120	17	107	26	0	150	22	81	23	0	126	919
07:45 AM	53	340	37	0	430	5	102	48	0	155	20	116	27	0	163	16	90	41	0	147	895
Total	178	1523	138	0	1839	19	321	202	0	542	59	417	104	1	581	72	290	96	0	458	3420
08:00 AM	48	296	36	0	380	10	82	41	0	133	12	101	22	0	135	20	57	30	0	107	755
08:15 AM	41	246	15	0	302	10	61	38	0	109	19	90	35	0	144	18	35	14	0	67	622
08:30 AM	47	217	16	0	280	14	64	41	0	119	21	85	23	0	129	21	47	29	0	97	625
08:45 AM	28	214	30	0	272	15	58	42	0	115	22	124	33	0	179	23	79	33	0	135	701
Total	164	973	97	0	1234	49	265	162	0	476	74	400	113	0	587	82	218	106	0	406	2703
09:00 AM	25	231	23	0	279	14	59	33	0	106	23	100	25	0	148	24	52	26	0	102	635
09:15 AM	22	176	23	0	221	13	69	40	0	122	23	97	25	0	145	19	60	36	0	115	603
09:30 AM	26	201	22	0	249	2	43	32	0	77	21	109	38	1	169	28	61	39	0	128	623
09:45 AM	42	175	15	0	232	10	58	33	0	101	17	115	36	0	168	32	61	33	0	126	627
Total	115	783	83	0	981	39	229	138	0	406	84	421	124	1	630	103	234	134	0	471	2488
10:00 AM	26	180	23	0	229	9	59	51	0	119	18	102	32	0	152	27	45	30	0	102	602
10:15 AM	24	173	11	0	208	11	59	26	0	96	26	121	29	0	176	34	54	35	0	123	603
10:30 AM	23	163	21	0	207	15	61	29	0	105	23	104	49	0	176	18	52	31	0	101	589
10:45 AM	22	149	26	0	197	20	64	31	0	115	24	142	47	0	213	30	48	24	0	102	627
Total	95	665	81	0	841	55	243	137	0	435	91	469	157	0	717	109	199	120	0	428	2421
11:00 AM	31	169	9	0	209	20	56	37	0	113	20	135	48	0	203	27	49	41	0	117	642
11:15 AM	29	157	10	0	196	22	65	33	1	121	20	136	42	0	198	31	74	47	0	152	667
11:30 AM	32	175	22	1	230	14	76	33	0	123	24	140	50	0	214	28	64	38	0	130	697
11:45 AM	41	184	23	0	248	14	51	26	0	91	17	176	42	0	235	33	73	38	0	144	718
Total	133	685	64	1	883	70	248	129	1	448	81	587	182	0	850	119	260	164	0	543	2724
12:00 PM	20	187	20	0	227	20	43	31	0	94	22	133	44	0	199	31	75	46	0	152	672
12:15 PM	32	182	20	0	234	16	68	46	0	130	24	147	55	0	226	30	65	56	0	151	741
12:30 PM	37	186	23	0	246	12	78	34	0	124	17	137	48	0	202	26	50	49	0	125	697
12:45 PM	34	175	28	0	237	15	80	27	0	122	33	149	47	0	229	29	68	34	0	131	719
Total	123	730	91	0	944	63	269	138	0	470	96	566	194	0	856	116	258	185	0	559	2829
01:00 PM	34	185	18	0	237	12	78	29	0	119	23	142	49	1	215	31	58	39	0	128	699
01:15 PM	29	180	15	0	224	13	60	28	0	101	20	142	41	0	203	25	69	30	0	124	652
01:30 PM	23	165	27	0	215	19	51	30	0	100	30	173	50	0	253	20	59	26	1	106	674
01:45 PM	25	159	21	0	205	16	63	34	0	113	15	196	53	1	265	26	66	38	0	130	713
Total	111	689	81	0	881	60	252	121	0	433	88	653	193	2	936	102	252	133	1	488	2738

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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	
02:00 PM	25	169	14	1	209	9	59	32	0	100	27	148	39	0	214	42	62	41	0	145	668
02:15 PM	28	193	29	0	250	13	65	29	0	107	21	193	46	0	260	28	66	49	0	143	760
02:30 PM	23	164	26	0	213	9	73	51	0	133	28	210	51	1	290	34	79	47	0	160	796
02:45 PM	27	171	20	0	218	20	112	43	0	175	24	180	41	1	246	26	73	54	0	153	792
Total	103	697	89	1	890	51	309	155	0	515	100	731	177	2	1010	130	280	191	0	601	3016
03:00 PM	26	166	24	0	216	13	84	46	0	143	16	192	56	0	264	33	104	51	0	188	811
03:15 PM	33	175	28	0	236	13	73	39	0	125	32	212	41	1	286	36	80	63	0	179	826
03:30 PM	26	183	16	0	225	15	83	48	0	146	34	186	81	0	301	25	85	65	0	175	847
03:45 PM	40	204	18	0	262	16	86	34	0	136	28	249	67	1	345	38	111	51	0	200	943
Total	125	728	86	0	939	57	326	167	0	550	110	839	245	2	1196	132	380	230	0	742	3427
04:00 PM	36	183	18	0	237	18	65	36	0	119	31	246	67	0	344	38	89	62	0	189	889
04:15 PM	40	141	26	1	208	15	69	43	0	127	35	275	62	0	372	33	104	76	0	213	920
04:30 PM	33	184	25	0	242	17	78	35	0	130	37	225	61	0	323	34	108	75	0	217	912
04:45 PM	25	191	25	0	241	13	60	39	0	112	39	223	87	0	349	35	104	59	0	198	900
Total	134	699	94	1	928	63	272	153	0	488	142	969	277	0	1388	140	405	272	0	817	3621
05:00 PM	25	162	16	0	203	19	81	40	0	140	38	260	68	0	366	18	118	79	0	215	924
05:15 PM	36	164	25	0	225	10	73	28	1	112	35	229	69	0	333	36	116	80	0	232	902
05:30 PM	29	173	27	0	229	12	56	35	0	103	40	236	67	0	343	26	96	68	0	190	865
05:45 PM	31	168	32	0	231	11	63	37	0	111	37	208	55	0	300	33	89	55	0	177	819
Total	121	667	100	0	888	52	273	140	1	466	150	933	259	0	1342	113	419	282	0	814	3510
06:00 PM	22	159	27	0	208	15	57	39	0	111	26	204	32	0	262	32	81	60	0	173	754
06:15 PM	25	141	20	0	186	12	41	37	0	90	33	178	27	0	238	21	67	53	0	141	655
06:30 PM	27	115	14	0	156	6	49	26	0	81	26	122	26	0	174	22	57	46	0	125	536
06:45 PM	23	106	15	0	144	6	44	25	0	75	20	139	25	0	184	14	45	45	0	104	507
Total	97	521	76	0	694	39	191	127	0	357	105	643	110	0	858	89	250	204	0	543	2452
07:00 PM	14	84	12	0	110	12	41	25	0	78	18	92	37	0	147	22	55	26	0	103	438
07:15 PM	18	87	9	0	114	11	37	17	0	65	29	93	34	0	156	21	48	26	0	95	430
07:30 PM	15	107	9	0	131	5	36	15	0	56	12	81	26	0	119	13	44	26	0	83	389
07:45 PM	22	86	15	0	123	8	23	12	0	43	13	89	23	0	125	20	39	18	0	77	368
Total	69	364	45	0	478	36	137	69	0	242	72	355	120	0	547	76	186	96	0	358	1625
08:00 PM	15	106	11	0	132	16	28	21	0	65	16	74	13	0	103	10	41	28	0	79	379
08:15 PM	16	74	7	0	97	10	32	28	0	70	16	62	21	0	99	8	43	23	0	74	340
08:30 PM	13	75	7	0	95	8	31	21	0	60	10	71	12	0	93	11	33	31	0	75	323
08:45 PM	11	57	7	0	75	10	19	15	0	44	7	67	12	0	86	11	25	29	0	65	270
Total	55	312	32	0	399	44	110	85	0	239	49	274	58	0	381	40	142	111	0	293	1312
09:00 PM	10	52	8	0	70	2	17	9	0	28	14	71	15	0	100	11	19	22	0	52	250
09:15 PM	11	52	3	0	66	8	20	13	0	41	15	54	12	0	81	8	29	18	0	55	243
09:30 PM	6	39	3	0	48	4	21	4	0	29	5	60	8	0	73	11	22	18	0	51	201
09:45 PM	7	37	5	0	49	6	12	5	0	23	7	54	5	0	66	9	17	6	0	32	170
Total	34	180	19	0	233	20	70	31	0	121	41	239	40	0	320	39	87	64	0	190	864
Grand Total	1774	11709	1262	3	14748	736	3726	2180	2	6644	1407	8941	2437	8	12793	1496	3982	2455	1	7934	42119
Apprch %	12	79.4	8.6	0		11.1	56.1	32.8	0		11	69.9	19	0.1		18.9	50.2	30.9	0		
Total %	4.2	27.8	3	0	35	1.7	8.8	5.2	0	15.8	3.3	21.2	5.8	0	30.4	3.6	9.5	5.8	0	18.8	
Cars	1728	11370	1201	3	14302	699	3508	2061	1	6269	1358	8660	2374	4	12396	1448	3879	2422	1	7750	40717
% Cars	97.4	97.1	95.2	100	97	95	94.1	94.5	50	94.4	96.5	96.9	97.4	50	96.9	96.8	97.4	98.7	100	97.7	96.7
Trucks	46	339	61	0	446	37	218	119	1	375	49	281	63	4	397	48	103	33	0	184	1402
% Trucks	2.6	2.9	4.8	0	3	5	5.9	5.5	50	5.6	3.5	3.1	2.6	50	3.1	3.2	2.6	1.3	0	2.3	3.3

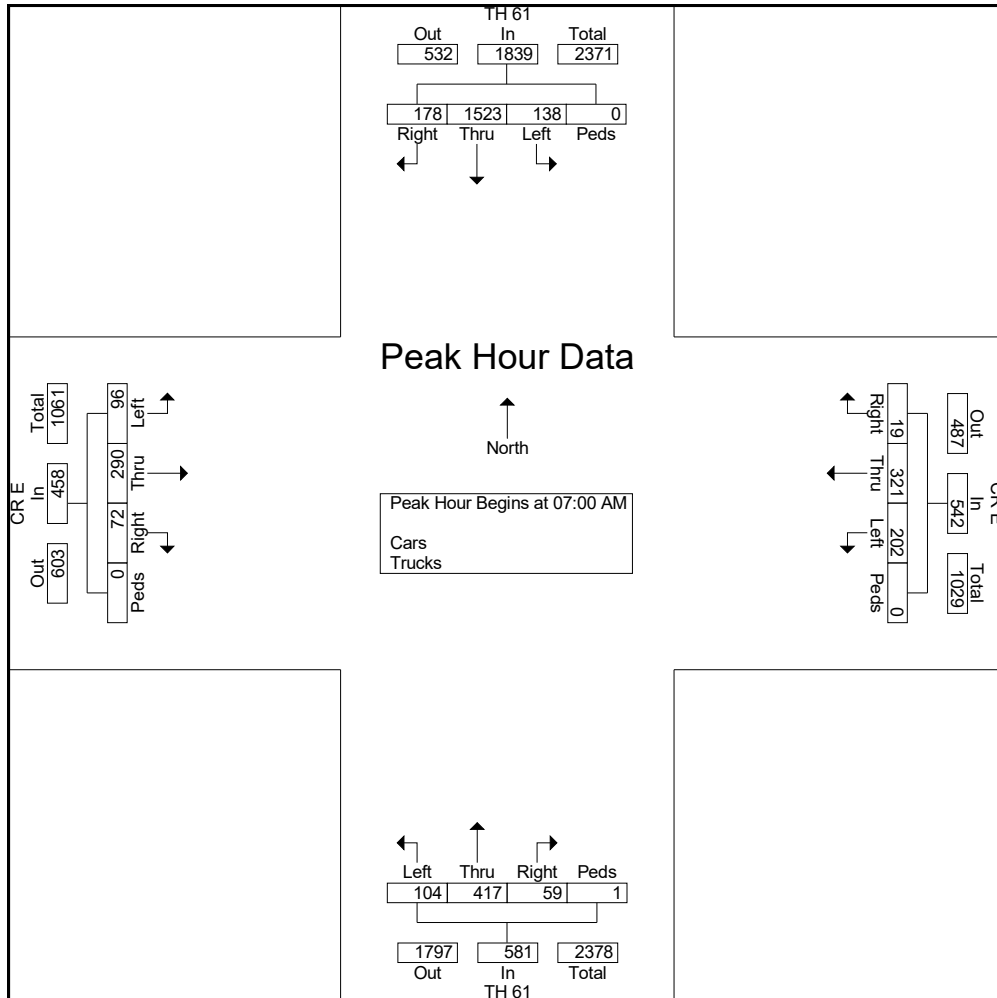
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Peak Hour Analysis From 05:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	37	385	16	0	438	8	62	46	0	116	14	99	24	0	137	12	54	15	0	81	772
07:15 AM	46	365	37	0	448	4	86	61	0	151	8	95	27	1	131	22	65	17	0	104	834
07:30 AM	42	433	48	0	523	2	71	47	0	120	17	107	26	0	150	22	81	23	0	126	919
07:45 AM	53	340	37	0	430	5	102	48	0	155	20	116	27	0	163	16	90	41	0	147	895
Total Volume	178	1523	138	0	1839	19	321	202	0	542	59	417	104	1	581	72	290	96	0	458	3420
% App. Total	9.7	82.8	7.5	0		3.5	59.2	37.3	0		10.2	71.8	17.9	0.2		15.7	63.3	21	0		
PHF	.840	.879	.719	.000	.879	.594	.787	.828	.000	.874	.738	.899	.963	.250	.891	.818	.806	.585	.000	.779	.930



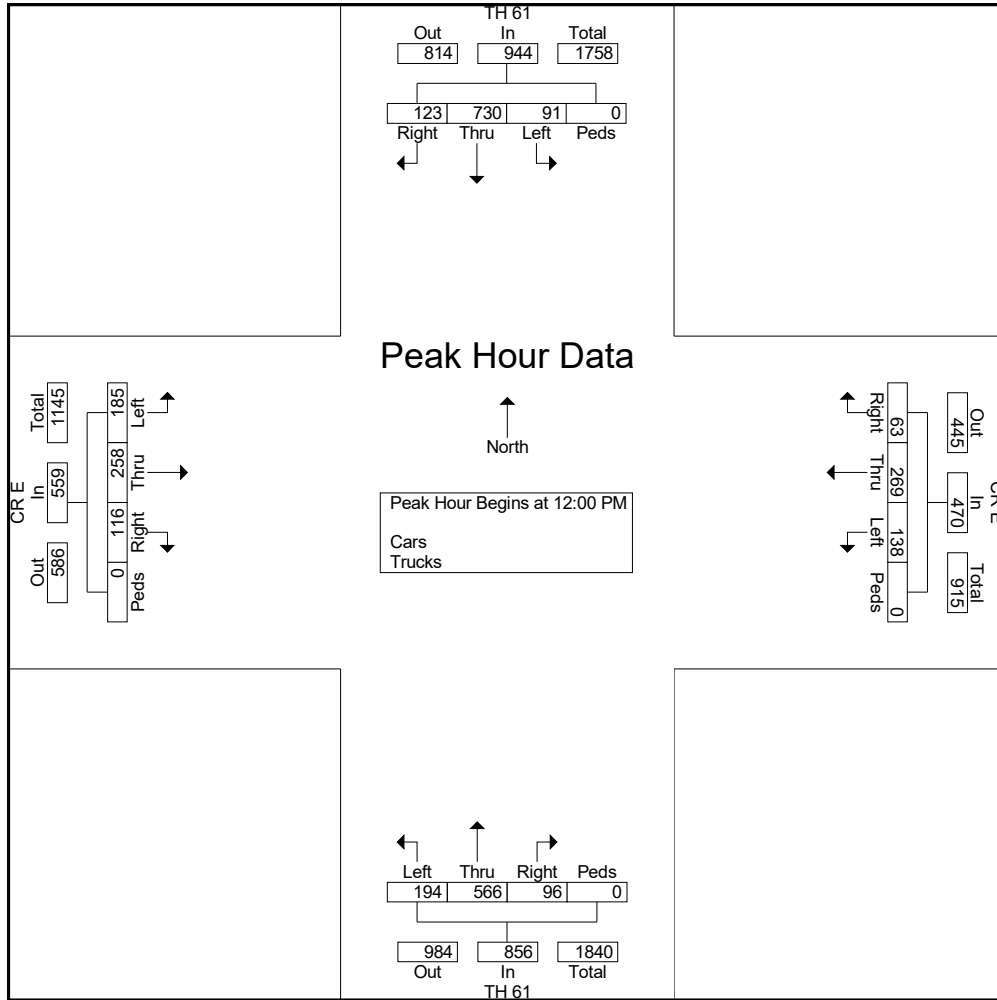
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Start Time	TH 61 Southbound					CR E Westbound					TH 61 Northbound					CR E Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 09:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	20	187	20	0	227	20	43	31	0	94	22	133	44	0	199	31	75	46	0	152	672
12:15 PM	32	182	20	0	234	16	68	46	0	130	24	147	55	0	226	30	65	56	0	151	741
12:30 PM	37	186	23	0	246	12	78	34	0	124	17	137	48	0	202	26	50	49	0	125	697
12:45 PM	34	175	28	0	237	15	80	27	0	122	33	149	47	0	229	29	68	34	0	131	719
Total Volume	123	730	91	0	944	63	269	138	0	470	96	566	194	0	856	116	258	185	0	559	2829
% App. Total	13	77.3	9.6	0		13.4	57.2	29.4	0		11.2	66.1	22.7	0		20.8	46.2	33.1	0		
PHF	.831	.976	.813	.000	.959	.788	.841	.750	.000	.904	.727	.950	.882	.000	.934	.935	.860	.826	.000	.919	.954



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Start Time	TH 61 Southbound					CR E Westbound					TH 61 Northbound					CR E 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 03:45 PM																					
03:45 PM	40	204	18	0	262	16	86	34	0	136	28	249	67	1	345	38	111	51	0	200	943
04:00 PM	36	183	18	0	237	18	65	36	0	119	31	246	67	0	344	38	89	62	0	189	889
04:15 PM	40	141	26	1	208	15	69	43	0	127	35	275	62	0	372	33	104	76	0	213	920
04:30 PM	33	184	25	0	242	17	78	35	0	130	37	225	61	0	323	34	108	75	0	217	912
Total Volume	149	712	87	1	949	66	298	148	0	512	131	995	257	1	1384	143	412	264	0	819	3664
% App. Total	15.7	75	9.2	0.1		12.9	58.2	28.9	0		9.5	71.9	18.6	0.1		17.5	50.3	32.2	0		
PHF	.931	.873	.837	.250	.906	.917	.866	.860	.000	.941	.885	.905	.959	.250	.930	.941	.928	.868	.000	.944	.971

