

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & I-694 N Ramp
 Ref Pt: 48+00.517
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 508_TH 61 and I-694 North Ramp
 Site Code : 1735873
 Start Date : 11/12/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					I-694 N Ramp Westbound					TH 61 Northbound					I-694 N Ramp 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	103	95	0	0	198	22	0	8	0	30	0	73	20	0	93	0	0	0	0	0	321
06:15 AM	149	182	0	0	331	32	0	12	0	44	0	95	32	0	127	0	0	0	0	0	502
06:30 AM	159	229	0	0	388	36	1	31	0	68	0	92	36	0	128	0	0	0	0	0	584
06:45 AM	113	262	0	0	375	44	0	35	0	79	0	178	43	0	221	0	0	0	0	0	675
Total	524	768	0	0	1292	134	1	86	0	221	0	438	131	0	569	0	0	0	0	0	2082
07:00 AM	120	245	0	0	365	37	0	19	0	56	0	150	36	0	186	0	0	0	0	0	607
07:15 AM	161	361	0	0	522	31	0	19	0	50	0	203	58	0	261	0	0	0	0	0	833
07:30 AM	130	307	0	0	437	59	1	21	0	81	0	167	72	0	239	0	0	0	0	0	757
07:45 AM	128	313	0	0	441	33	0	27	0	60	0	203	72	0	275	0	0	0	0	0	776
Total	539	1226	0	0	1765	160	1	86	0	247	0	723	238	0	961	0	0	0	0	0	2973
08:00 AM	141	266	0	0	407	52	0	38	0	90	0	194	57	0	251	0	0	0	0	0	748
08:15 AM	99	251	0	0	350	49	0	22	0	71	0	152	78	0	230	0	0	0	0	0	651
08:30 AM	105	191	0	0	296	52	0	26	0	78	0	158	79	0	237	0	0	0	0	0	611
08:45 AM	103	210	0	0	313	73	0	30	0	103	0	218	65	0	283	0	0	0	0	0	699
Total	448	918	0	0	1366	226	0	116	0	342	0	722	279	0	1001	0	0	0	0	0	2709
09:00 AM	84	182	0	0	266	46	1	27	0	74	0	159	60	0	219	0	0	0	0	0	559
09:15 AM	108	175	0	0	283	45	0	15	0	60	0	178	48	0	226	0	0	0	0	0	569
*** BREAK ***																					
Total	192	357	0	0	549	91	1	42	0	134	0	337	108	0	445	0	0	0	0	0	1128
*** BREAK ***																					
10:30 AM	103	198	0	0	301	58	0	20	0	78	0	207	62	0	269	0	0	0	0	0	648
10:45 AM	105	189	0	0	294	49	3	26	0	78	0	249	91	0	340	0	0	0	0	0	712
Total	208	387	0	0	595	107	3	46	0	156	0	456	153	0	609	0	0	0	0	0	1360
11:00 AM	108	199	0	0	307	36	0	31	0	67	0	221	85	0	306	0	0	0	0	0	680
11:15 AM	113	212	0	0	325	31	0	27	0	58	0	222	96	0	318	0	0	0	0	0	701
11:30 AM	105	229	0	0	334	35	1	31	0	67	0	242	142	0	384	0	0	0	0	0	785
11:45 AM	100	179	0	0	279	44	1	28	0	73	0	266	168	0	434	0	0	0	0	0	786
Total	426	819	0	0	1245	146	2	117	0	265	0	951	491	0	1442	0	0	0	0	0	2952
12:00 PM	112	207	0	0	319	36	2	26	0	64	0	198	106	0	304	0	0	0	0	0	687
12:15 PM	97	197	0	0	294	64	2	37	0	103	0	262	137	0	399	0	0	0	0	0	796
12:30 PM	109	209	0	0	318	56	0	24	0	80	0	236	117	0	353	0	0	0	0	0	751
12:45 PM	95	181	0	0	276	43	0	17	0	60	0	223	109	0	332	0	0	0	0	0	668
Total	413	794	0	0	1207	199	4	104	0	307	0	919	469	0	1388	0	0	0	0	0	2902
01:00 PM	103	156	0	0	259	46	1	23	0	70	0	229	127	0	356	0	0	0	0	0	685
01:15 PM	108	165	0	0	273	50	1	21	0	72	0	246	190	0	436	0	0	0	0	0	781
*** BREAK ***																					
Total	211	321	0	0	532	96	2	44	0	142	0	475	317	0	792	0	0	0	0	0	1466
*** BREAK ***																					
02:30 PM	141	185	0	0	326	64	0	29	0	93	0	257	114	0	371	0	0	0	0	0	790
02:45 PM	98	202	0	0	300	78	0	31	0	109	0	344	107	0	451	0	0	0	0	0	860
Total	239	387	0	0	626	142	0	60	0	202	0	601	221	0	822	0	0	0	0	0	1650
03:00 PM	146	204	0	0	350	46	0	27	0	73	0	293	137	0	430	0	0	0	0	0	853
03:15 PM	146	221	0	0	367	68	2	32	0	102	0	280	107	0	387	0	0	0	0	0	856
03:30 PM	126	222	0	0	348	61	0	24	0	85	0	277	108	0	385	0	0	0	0	0	818

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Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					I-694 N Ramp Westbound					TH 61 Northbound					I-694 N Ramp 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	178	221	0	0	399	67	0	24	0	91	0	371	114	0	485	0	0	0	0	0	975
Total	596	868	0	0	1464	242	2	107	0	351	0	1221	466	0	1687	0	0	0	0	0	3502
04:00 PM	128	239	0	0	367	47	1	26	0	74	0	409	125	0	534	0	0	0	0	0	975
04:15 PM	133	271	0	0	404	57	0	27	0	84	0	401	107	0	508	0	0	0	0	0	996
04:30 PM	115	276	0	0	391	61	0	31	0	92	0	400	118	0	518	0	0	0	0	0	1001
04:45 PM	115	221	0	0	336	69	0	35	0	104	0	421	109	0	530	0	0	0	0	0	970
Total	491	1007	0	0	1498	234	1	119	0	354	0	1631	459	0	2090	0	0	0	0	0	3942
05:00 PM	142	216	0	0	358	60	0	34	0	94	0	420	117	0	537	0	0	0	0	0	989
05:15 PM	106	216	0	0	322	57	0	39	0	96	0	408	122	0	530	0	0	0	0	0	948
05:30 PM	121	180	0	0	301	44	2	31	0	77	0	383	96	0	479	0	0	0	0	0	857
05:45 PM	71	147	0	0	218	47	0	25	0	72	0	309	100	0	409	0	0	0	0	0	699
Total	440	759	0	0	1199	208	2	129	0	339	0	1520	435	0	1955	0	0	0	0	0	3493
Grand Total	4727	8611	0	0	13338	1985	19	1056	0	3060	0	9994	3767	0	13761	0	0	0	0	0	30159
Apprch %	35.4	64.6	0	0		64.9	0.6	34.5	0		0	72.6	27.4	0		0	0	0	0	0	
Total %	15.7	28.6	0	0	44.2	6.6	0.1	3.5	0	10.1	0	33.1	12.5	0	45.6	0	0	0	0	0	
Cars	4497	8380	0	0	12877	1869	17	1024	0	2910	0	9708	3683	0	13391	0	0	0	0	0	29178
% Cars	95.1	97.3	0	0	96.5	94.2	89.5	97	0	95.1	0	97.1	97.8	0	97.3	0	0	0	0	0	96.7
Trucks	230	231	0	0	461	116	2	32	0	150	0	286	84	0	370	0	0	0	0	0	981
% Trucks	4.9	2.7	0	0	3.5	5.8	10.5	3	0	4.9	0	2.9	2.2	0	2.7	0	0	0	0	0	3.3

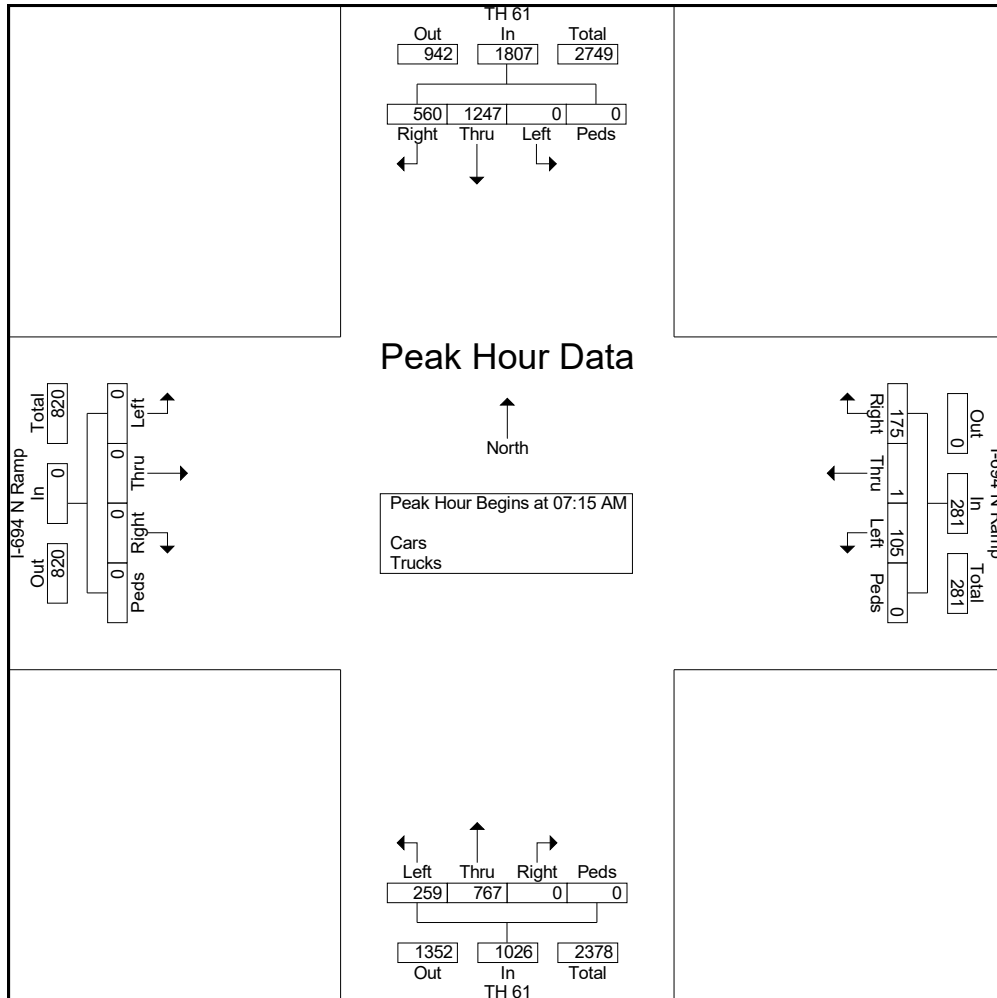
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	161	361	0	0	522	31	0	19	0	50	0	203	58	0	261	0	0	0	0	0	833
07:30 AM	130	307	0	0	437	59	1	21	0	81	0	167	72	0	239	0	0	0	0	0	757
07:45 AM	128	313	0	0	441	33	0	27	0	60	0	203	72	0	275	0	0	0	0	0	776
08:00 AM	141	266	0	0	407	52	0	38	0	90	0	194	57	0	251	0	0	0	0	0	748
Total Volume	560	1247	0	0	1807	175	1	105	0	281	0	767	259	0	1026	0	0	0	0	0	3114
% App. Total	31	69	0	0		62.3	0.4	37.4	0		0	74.8	25.2	0		0	0	0	0		
PHF	.870	.864	.000	.000	.865	.742	.250	.691	.000	.781	.000	.945	.899	.000	.933	.000	.000	.000	.000	.000	.935



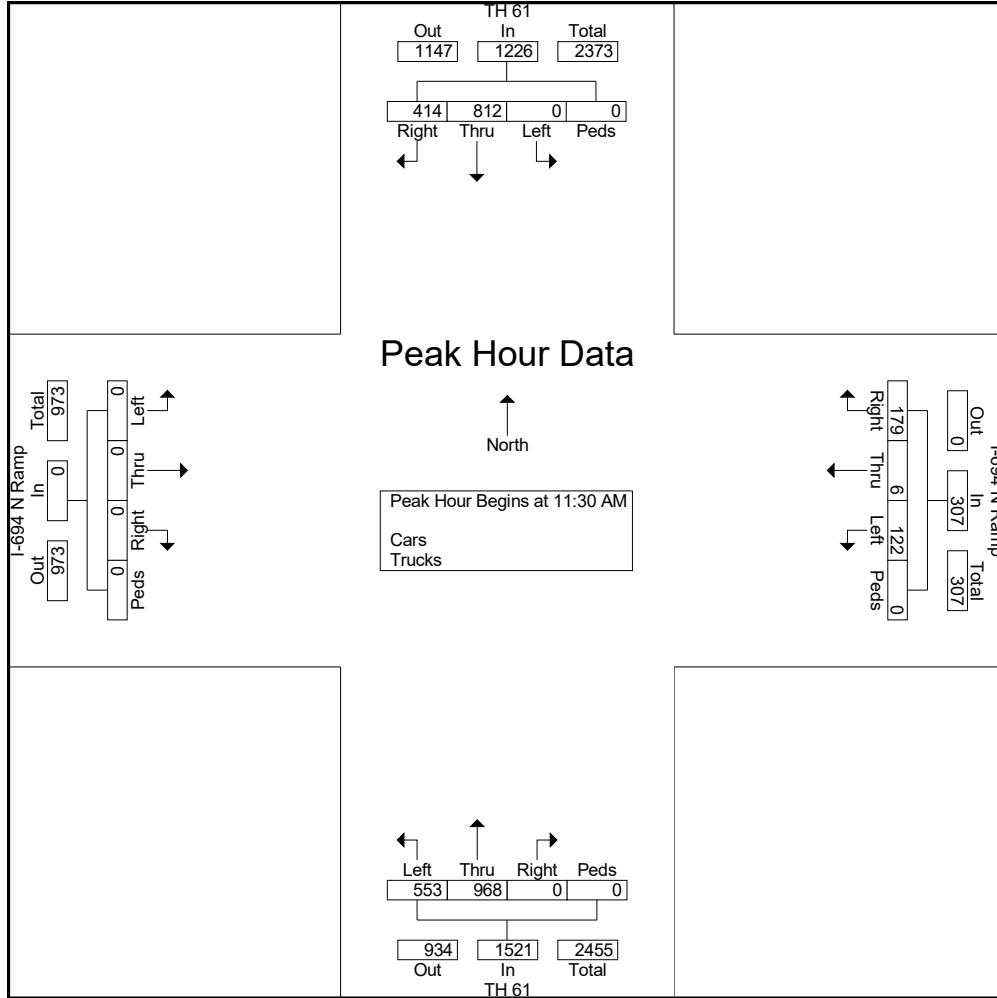
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Start Time	TH 61 Southbound					I-694 N Ramp Westbound					TH 61 Northbound					I-694 N Ramp Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	105	229	0	0	334	35	1	31	0	67	0	242	142	0	384	0	0	0	0	0	785
11:45 AM	100	179	0	0	279	44	1	28	0	73	0	266	168	0	434	0	0	0	0	0	786
12:00 PM	112	207	0	0	319	36	2	26	0	64	0	198	106	0	304	0	0	0	0	0	687
12:15 PM	97	197	0	0	294	64	2	37	0	103	0	262	137	0	399	0	0	0	0	0	796
Total Volume	414	812	0	0	1226	179	6	122	0	307	0	968	553	0	1521	0	0	0	0	0	3054
% App. Total	33.8	66.2	0	0		58.3	2	39.7	0		0	63.6	36.4	0		0	0	0	0		
PHF	.924	.886	.000	.000	.918	.699	.750	.824	.000	.745	.000	.910	.823	.000	.876	.000	.000	.000	.000	.000	.959



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File Name : 508_TH 61 and I-694 North Ramp
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 Page No : 5

Start Time	TH 61 Southbound					I-694 N Ramp Westbound					TH 61 Northbound					I-694 N Ramp 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 04:15 PM																					
04:15 PM	133	271	0	0	404	57	0	27	0	84	0	401	107	0	508	0	0	0	0	0	996
04:30 PM	115	276	0	0	391	61	0	31	0	92	0	400	118	0	518	0	0	0	0	0	1001
04:45 PM	115	221	0	0	336	69	0	35	0	104	0	421	109	0	530	0	0	0	0	0	970
05:00 PM	142	216	0	0	358	60	0	34	0	94	0	420	117	0	537	0	0	0	0	0	989
Total Volume	505	984	0	0	1489	247	0	127	0	374	0	1642	451	0	2093	0	0	0	0	0	3956
% App. Total	33.9	66.1	0	0		66	0	34	0		0	78.5	21.5	0		0	0	0	0		
PHF	.889	.891	.000	.000	.921	.895	.000	.907	.000	.899	.000	.975	.956	.000	.974	.000	.000	.000	.000	.000	.988

