

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & County Road F (Ash Street)
 Ref Pt: 145+00.622
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 513_TH 61 and County Road F (Ash Street)
 Site Code : 1735491
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					County Rd F Westbound					TH 61 Northbound					County Rd F 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	2	153	7	0	162	4	13	20	0	37	6	42	8	0	56	5	4	0	0	9	264
06:15 AM	3	238	6	0	247	5	8	29	0	42	7	43	15	0	65	18	9	0	0	27	381
06:30 AM	0	338	7	0	345	14	16	34	0	64	6	76	5	0	87	17	12	1	0	30	526
06:45 AM	4	308	19	0	331	7	16	26	0	49	16	74	9	0	99	11	19	0	0	30	509
Total	9	1037	39	0	1085	30	53	109	0	192	35	235	37	0	307	51	44	1	0	96	1680
07:00 AM	1	332	19	0	352	17	14	40	0	71	21	83	6	0	110	21	16	0	0	37	570
07:15 AM	5	375	20	0	400	26	22	37	0	85	20	81	5	0	106	9	35	0	0	44	635
07:30 AM	4	374	37	0	415	12	22	32	0	66	25	73	11	0	109	11	35	1	0	47	637
07:45 AM	1	334	48	0	383	25	22	37	0	84	18	74	6	0	98	13	46	2	0	61	626
Total	11	1415	124	0	1550	80	80	146	0	306	84	311	28	0	423	54	132	3	0	189	2468
08:00 AM	2	266	20	0	288	32	32	34	0	98	21	87	9	0	117	6	31	0	0	37	540
08:15 AM	2	218	32	0	252	23	20	33	0	76	10	87	11	0	108	10	34	2	0	46	482
08:30 AM	5	204	22	0	231	15	25	26	0	66	12	94	2	0	108	14	27	1	0	42	447
08:45 AM	2	208	35	0	245	25	22	26	0	73	17	129	7	0	153	14	22	0	0	36	507
Total	11	896	109	0	1016	95	99	119	0	313	60	397	29	0	486	44	114	3	0	161	1976
09:00 AM	2	199	20	0	221	24	22	24	0	70	13	94	7	2	116	9	20	1	0	30	437
09:15 AM	3	183	27	0	213	19	17	20	0	56	11	121	5	0	137	7	14	3	0	24	430
*** BREAK ***																					
Total	5	382	47	0	434	43	39	44	0	126	24	215	12	2	253	16	34	4	0	54	867
*** BREAK ***																					
10:30 AM	1	179	16	0	196	19	15	12	0	46	13	118	12	0	143	8	15	0	0	23	408
10:45 AM	2	162	18	0	182	14	14	12	0	40	18	146	11	0	175	13	16	6	0	35	432
Total	3	341	34	0	378	33	29	24	0	86	31	264	23	0	318	21	31	6	0	58	840
11:00 AM	5	170	10	0	185	16	18	19	0	53	21	138	16	0	175	10	11	3	0	24	437
11:15 AM	1	167	11	0	179	16	16	15	0	47	20	150	11	0	181	13	13	2	0	28	435
11:30 AM	3	173	10	0	186	25	12	20	0	57	31	159	14	0	204	11	23	0	0	34	481
11:45 AM	2	183	21	0	206	16	15	12	0	43	17	176	14	0	207	10	21	0	0	31	487
Total	11	693	52	0	756	73	61	66	0	200	89	623	55	0	767	44	68	5	0	117	1840
12:00 PM	6	192	25	0	223	15	13	11	0	39	16	142	19	0	177	14	18	3	0	35	474
12:15 PM	3	168	29	0	200	13	14	18	0	45	31	143	11	0	185	11	34	1	0	46	476
12:30 PM	9	172	26	0	207	24	24	21	0	69	20	137	17	0	174	19	20	1	0	40	490
12:45 PM	3	188	23	0	214	21	18	22	0	61	27	175	11	0	213	17	21	3	0	41	529
Total	21	720	103	0	844	73	69	72	0	214	94	597	58	0	749	61	93	8	0	162	1969
01:00 PM	8	180	16	0	204	16	16	16	0	48	27	141	17	0	185	7	17	1	0	25	462
01:15 PM	7	157	19	0	183	19	21	12	0	52	25	141	13	0	179	20	21	0	0	41	455
*** BREAK ***																					
Total	15	337	35	0	387	35	37	28	0	100	52	282	30	0	364	27	38	1	0	66	917
*** BREAK ***																					
02:30 PM	4	187	19	0	210	7	23	13	0	43	30	198	10	0	238	9	28	5	0	42	533
02:45 PM	4	161	29	0	194	23	28	17	0	68	32	230	23	0	285	9	23	3	0	35	582
Total	8	348	48	0	404	30	51	30	0	111	62	428	33	0	523	18	51	8	0	77	1115
03:00 PM	8	190	17	0	215	26	33	14	0	73	33	227	16	0	276	6	26	0	0	32	596
03:15 PM	8	189	30	0	227	16	31	10	0	57	32	230	16	0	278	17	26	3	0	46	608
03:30 PM	3	192	21	0	216	34	32	20	0	86	32	234	29	0	295	11	30	2	0	43	640

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Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					County Rd F Westbound					TH 61 Northbound					County Rd F 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	200	18	0	220	27	38	25	0	90	38	273	22	0	333	8	20	1	0	29	672
Total	21	771	86	0	878	103	134	69	0	306	135	964	83	0	1182	42	102	6	0	150	2516
04:00 PM	0	160	17	0	177	25	31	22	0	78	30	283	23	0	336	10	30	1	0	41	632
04:15 PM	3	157	27	0	187	18	33	19	0	70	25	298	37	0	360	11	25	2	0	38	655
04:30 PM	4	194	18	0	216	21	23	14	0	58	31	281	31	0	343	23	46	1	0	70	687
04:45 PM	2	188	31	0	221	18	31	18	0	67	35	287	19	0	341	15	39	4	0	58	687
Total	9	699	93	0	801	82	118	73	0	273	121	1149	110	0	1380	59	140	8	0	207	2661
05:00 PM	4	186	20	0	210	25	31	11	0	67	37	318	29	0	384	16	36	4	0	56	717
05:15 PM	5	178	18	0	201	19	31	10	0	60	33	274	22	0	329	12	27	1	0	40	630
05:30 PM	6	189	12	0	207	16	24	14	0	54	47	260	25	0	332	14	31	1	0	46	639
05:45 PM	3	178	23	0	204	17	28	16	0	61	28	222	18	0	268	14	34	5	0	53	586
Total	18	731	73	0	822	77	114	51	0	242	145	1074	94	0	1313	56	128	11	0	195	2572
Grand Total	142	8370	843	0	9355	754	884	831	0	2469	932	6539	592	2	8065	493	975	64	0	1532	21421
Apprch %	1.5	89.5	9	0		30.5	35.8	33.7	0		11.6	81.1	7.3	0		32.2	63.6	4.2	0		
Total %	0.7	39.1	3.9	0	43.7	3.5	4.1	3.9	0	11.5	4.4	30.5	2.8	0	37.6	2.3	4.6	0.3	0	7.2	
Cars	130	8075	805	0	9010	705	858	820	0	2383	906	6341	561	2	7810	458	948	58	0	1464	20667
% Cars	91.5	96.5	95.5	0	96.3	93.5	97.1	98.7	0	96.5	97.2	97	94.8	100	96.8	92.9	97.2	90.6	0	95.6	96.5
Trucks	12	295	38	0	345	49	26	11	0	86	26	198	31	0	255	35	27	6	0	68	754
% Trucks	8.5	3.5	4.5	0	3.7	6.5	2.9	1.3	0	3.5	2.8	3	5.2	0	3.2	7.1	2.8	9.4	0	4.4	3.5

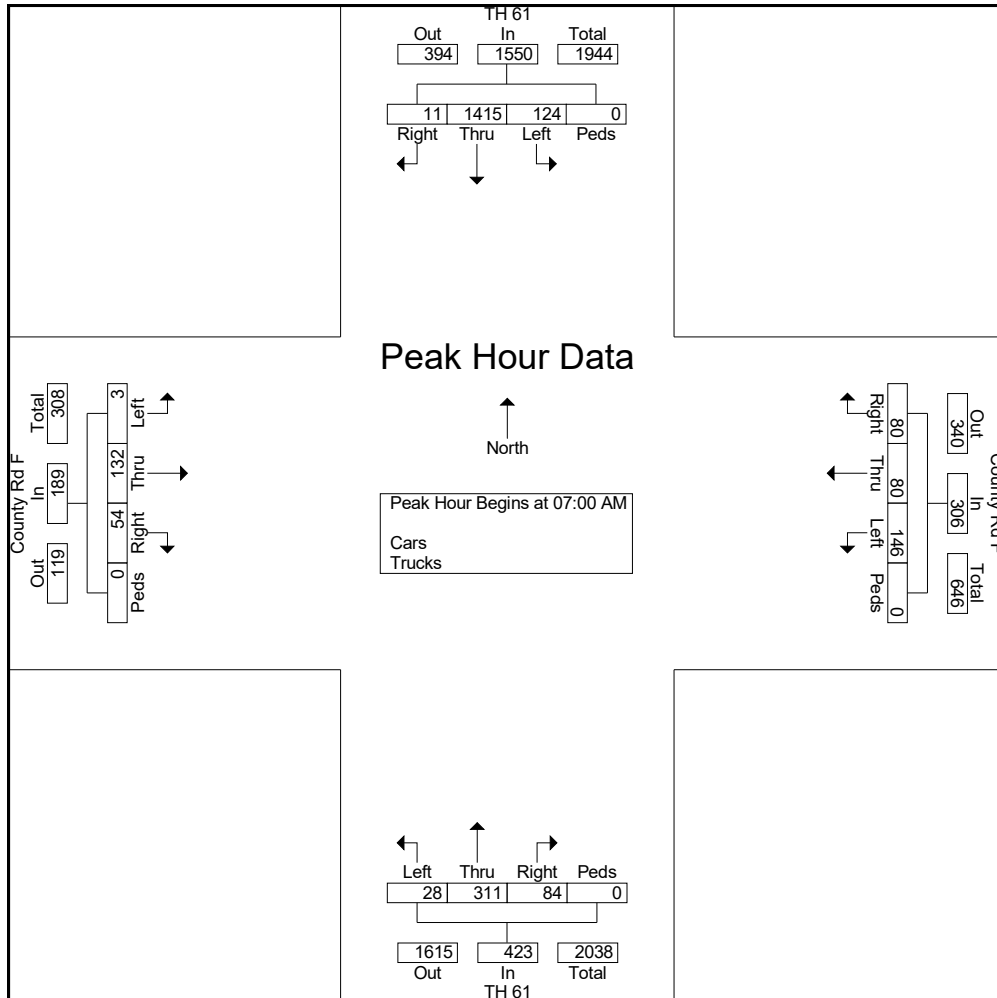
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	1	332	19	0	352	17	14	40	0	71	21	83	6	0	110	21	16	0	0	37	570
07:15 AM	5	375	20	0	400	26	22	37	0	85	20	81	5	0	106	9	35	0	0	44	635
07:30 AM	4	374	37	0	415	12	22	32	0	66	25	73	11	0	109	11	35	1	0	47	637
07:45 AM	1	334	48	0	383	25	22	37	0	84	18	74	6	0	98	13	46	2	0	61	626
Total Volume	11	1415	124	0	1550	80	80	146	0	306	84	311	28	0	423	54	132	3	0	189	2468
% App. Total	0.7	91.3	8	0		26.1	26.1	47.7	0		19.9	73.5	6.6	0		28.6	69.8	1.6	0		
PHF	.550	.943	.646	.000	.934	.769	.909	.913	.000	.900	.840	.937	.636	.000	.961	.643	.717	.375	.000	.775	.969



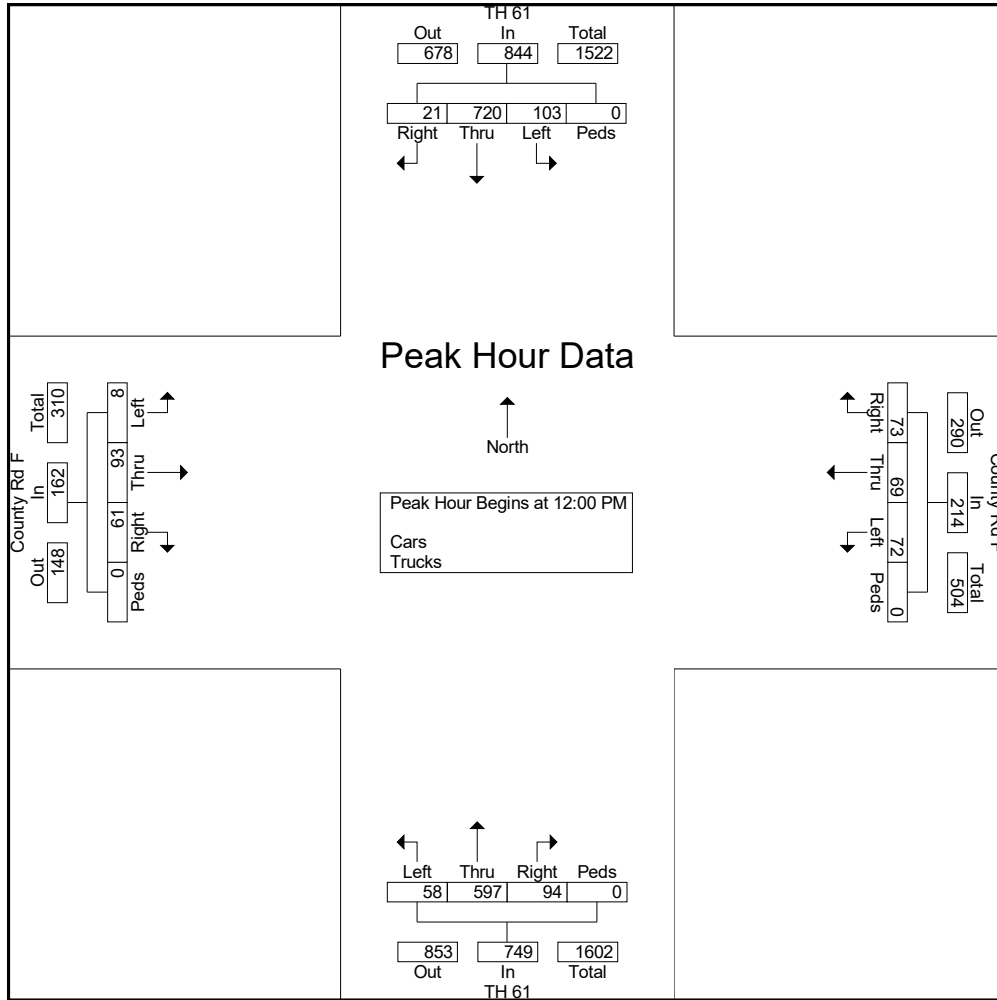
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Start Time	TH 61 Southbound					County Rd F Westbound					TH 61 Northbound					County Rd F Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak 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	6	192	25	0	223	15	13	11	0	39	16	142	19	0	177	14	18	3	0	35	474
12:15 PM	3	168	29	0	200	13	14	18	0	45	31	143	11	0	185	11	34	1	0	46	476
12:30 PM	9	172	26	0	207	24	24	21	0	69	20	137	17	0	174	19	20	1	0	40	490
12:45 PM	3	188	23	0	214	21	18	22	0	61	27	175	11	0	213	17	21	3	0	41	529
Total Volume	21	720	103	0	844	73	69	72	0	214	94	597	58	0	749	61	93	8	0	162	1969
% App. Total	2.5	85.3	12.2	0		34.1	32.2	33.6	0		12.6	79.7	7.7	0		37.7	57.4	4.9	0		
PHF	.583	.938	.888	.000	.946	.760	.719	.818	.000	.775	.758	.853	.763	.000	.879	.803	.684	.667	.000	.880	.931



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Start Time	TH 61 Southbound					County Rd F Westbound					TH 61 Northbound					County Rd F 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	3	157	27	0	187	18	33	19	0	70	25	298	37	0	360	11	25	2	0	38	655
04:30 PM	4	194	18	0	216	21	23	14	0	58	31	281	31	0	343	23	46	1	0	70	687
04:45 PM	2	188	31	0	221	18	31	18	0	67	35	287	19	0	341	15	39	4	0	58	687
05:00 PM	4	186	20	0	210	25	31	11	0	67	37	318	29	0	384	16	36	4	0	56	717
Total Volume	13	725	96	0	834	82	118	62	0	262	128	1184	116	0	1428	65	146	11	0	222	2746
% App. Total	1.6	86.9	11.5	0		31.3	45	23.7	0		9	82.9	8.1	0		29.3	65.8	5	0		
PHF	.813	.934	.774	.000	.943	.820	.894	.816	.000	.936	.865	.931	.784	.000	.930	.707	.793	.688	.000	.793	.957

