

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & CR D
 Ref Pt: 143+00.087
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 506_TH 61 and County Road D
 Site Code : 1736492
 Start Date : 11/12/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					CR D Westbound					TH 61 Northbound					CR D 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	10	126	15	0	151	3	3	10	0	16	2	51	7	0	60	8	11	11	0	30	257
06:15 AM	14	192	42	0	248	10	3	4	0	17	0	68	8	0	76	14	4	12	0	30	371
06:30 AM	24	355	37	0	416	6	6	6	0	18	4	79	13	0	96	13	10	9	0	32	562
06:45 AM	13	380	50	0	443	12	13	22	0	47	5	107	16	0	128	11	13	10	0	34	652
Total	61	1053	144	0	1258	31	25	42	0	98	11	305	44	0	360	46	38	42	0	126	1842
07:00 AM	16	372	20	0	408	10	9	9	0	28	3	108	15	0	126	14	6	17	0	37	599
07:15 AM	16	413	33	0	462	17	10	22	0	49	4	133	22	0	159	13	13	25	0	51	721
07:30 AM	18	364	38	0	420	29	17	23	0	69	7	136	12	0	155	17	18	31	0	66	710
07:45 AM	24	403	49	0	476	25	12	8	0	45	6	166	19	0	191	17	19	11	0	47	759
Total	74	1552	140	0	1766	81	48	62	0	191	20	543	68	0	631	61	56	84	0	201	2789
08:00 AM	17	332	24	0	373	22	6	13	0	41	3	147	20	0	170	13	6	17	0	36	620
08:15 AM	11	316	33	0	360	32	11	9	0	52	5	122	15	0	142	12	8	20	0	40	594
08:30 AM	12	262	30	0	304	24	9	9	0	42	3	124	11	0	138	9	16	21	0	46	530
08:45 AM	10	285	31	0	326	19	24	13	0	56	9	147	17	0	173	19	18	17	0	54	609
Total	50	1195	118	0	1363	97	50	44	0	191	20	540	63	0	623	53	48	75	0	176	2353
09:00 AM	17	221	42	0	280	21	11	11	0	43	13	118	15	0	146	5	8	16	0	29	498
09:15 AM	12	221	41	0	274	12	17	11	0	40	7	129	21	0	157	9	20	12	0	41	512
*** BREAK ***																					
Total	29	442	83	0	554	33	28	22	0	83	20	247	36	0	303	14	28	28	0	70	1010
*** BREAK ***																					
10:30 AM	6	188	98	0	292	44	25	9	0	78	9	159	23	0	191	19	14	12	0	45	606
10:45 AM	7	253	87	0	347	36	39	15	0	90	10	167	31	1	209	12	18	16	0	46	692
Total	13	441	185	0	639	80	64	24	0	168	19	326	54	1	400	31	32	28	0	91	1298
11:00 AM	11	216	68	0	295	37	26	9	0	72	17	182	24	0	223	12	19	16	1	48	638
11:15 AM	12	225	59	0	296	39	17	12	0	68	7	206	29	0	242	8	18	16	0	42	648
11:30 AM	16	232	58	0	306	33	23	21	0	77	10	211	17	0	238	8	16	27	0	51	672
11:45 AM	17	218	51	0	286	44	31	21	0	96	14	212	20	0	246	7	17	23	0	47	675
Total	56	891	236	0	1183	153	97	63	0	313	48	811	90	0	949	35	70	82	1	188	2633
12:00 PM	5	211	55	0	271	29	32	13	0	74	19	191	33	0	243	14	20	17	0	51	639
12:15 PM	9	209	51	0	269	37	38	12	0	87	13	202	28	0	243	13	16	19	0	48	647
12:30 PM	3	261	58	0	322	39	26	20	0	85	16	190	23	1	230	16	13	15	0	44	681
12:45 PM	4	216	55	0	275	41	30	12	0	83	18	206	21	0	245	7	16	25	0	48	651
Total	21	897	219	0	1137	146	126	57	0	329	66	789	105	1	961	50	65	76	0	191	2618
01:00 PM	1	187	55	0	243	28	34	14	0	76	9	200	23	0	232	11	10	25	0	46	597
01:15 PM	3	229	64	0	296	35	26	6	0	67	19	223	7	1	250	9	17	21	0	47	660
*** BREAK ***																					
Total	4	416	119	0	539	63	60	20	0	143	28	423	30	1	482	20	27	46	0	93	1257
*** BREAK ***																					
02:30 PM	15	213	73	0	301	32	25	18	0	75	13	276	29	0	318	18	10	13	0	41	735
02:45 PM	13	260	86	0	359	43	40	15	0	98	16	292	30	0	338	18	16	25	0	59	854
Total	28	473	159	0	660	75	65	33	0	173	29	568	59	0	656	36	26	38	0	100	1589
03:00 PM	17	204	63	0	284	37	30	11	0	78	11	313	19	0	343	17	16	27	0	60	765
03:15 PM	13	249	72	0	334	52	23	13	0	88	14	294	25	0	333	18	18	25	0	61	816
03:30 PM	9	267	82	0	358	41	32	21	0	94	14	299	27	0	340	15	16	33	0	64	856

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Groups Printed- Cars - Trucks

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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	
03:45 PM	13	288	74	0	375	42	24	12	0	78	13	320	41	0	374	13	18	35	0	66	893
Total	52	1008	291	0	1351	172	109	57	0	338	52	1226	112	0	1390	63	68	120	0	251	3330
04:00 PM	10	285	72	0	367	34	36	13	0	83	26	357	24	0	407	17	17	36	0	70	927
04:15 PM	7	307	66	0	380	38	33	17	0	88	26	391	23	0	440	11	23	29	0	63	971
04:30 PM	11	317	65	0	393	41	35	22	0	98	28	440	39	0	507	15	26	32	0	73	1071
04:45 PM	18	327	74	0	419	35	54	19	0	108	26	432	34	0	492	15	24	34	0	73	1092
Total	46	1236	277	0	1559	148	158	71	0	377	106	1620	120	0	1846	58	90	131	0	279	4061
05:00 PM	9	238	66	0	313	31	53	15	0	99	20	366	38	0	424	17	30	24	0	71	907
05:15 PM	19	211	62	0	292	42	41	14	0	97	30	422	29	0	481	12	20	23	0	55	925
05:30 PM	12	171	50	0	233	29	26	15	0	70	33	376	30	0	439	5	28	43	0	76	818
05:45 PM	3	174	63	0	240	33	30	12	0	75	31	278	24	0	333	13	19	21	0	53	701
Total	43	794	241	0	1078	135	150	56	0	341	114	1442	121	0	1677	47	97	111	0	255	3351
Grand Total	477	10398	2212	0	13087	1214	980	551	0	2745	533	8840	902	3	10278	514	645	861	1	2021	28131
Apprch %	3.6	79.5	16.9	0		44.2	35.7	20.1	0		5.2	86	8.8	0		25.4	31.9	42.6	0		
Total %	1.7	37	7.9	0	46.5	4.3	3.5	2	0	9.8	1.9	31.4	3.2	0	36.5	1.8	2.3	3.1	0	7.2	
Cars	441	10198	2197	0	12836	1180	964	544	0	2688	528	8677	882	2	10089	498	627	838	1	1964	27577
% Cars	92.5	98.1	99.3	0	98.1	97.2	98.4	98.7	0	97.9	99.1	98.2	97.8	66.7	98.2	96.9	97.2	97.3	100	97.2	98
Trucks	36	200	15	0	251	34	16	7	0	57	5	163	20	1	189	16	18	23	0	57	554
% Trucks	7.5	1.9	0.7	0	1.9	2.8	1.6	1.3	0	2.1	0.9	1.8	2.2	33.3	1.8	3.1	2.8	2.7	0	2.8	2

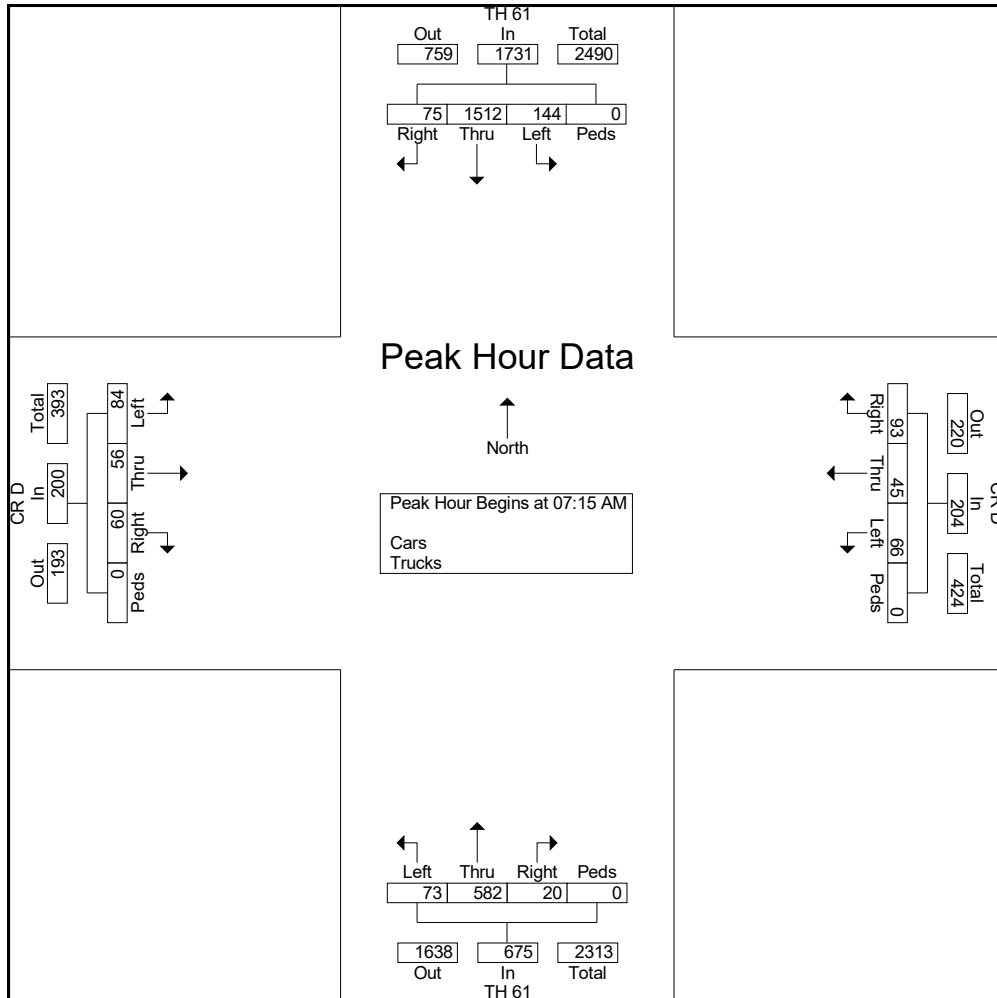
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	16	413	33	0	462	17	10	22	0	49	4	133	22	0	159	13	13	25	0	51	721
07:30 AM	18	364	38	0	420	29	17	23	0	69	7	136	12	0	155	17	18	31	0	66	710
07:45 AM	24	403	49	0	476	25	12	8	0	45	6	166	19	0	191	17	19	11	0	47	759
08:00 AM	17	332	24	0	373	22	6	13	0	41	3	147	20	0	170	13	6	17	0	36	620
Total Volume	75	1512	144	0	1731	93	45	66	0	204	20	582	73	0	675	60	56	84	0	200	2810
% App. Total	4.3	87.3	8.3	0		45.6	22.1	32.4	0		3	86.2	10.8	0		30	28	42	0		
PHF	.781	.915	.735	.000	.909	.802	.662	.717	.000	.739	.714	.877	.830	.000	.884	.882	.737	.677	.000	.758	.926



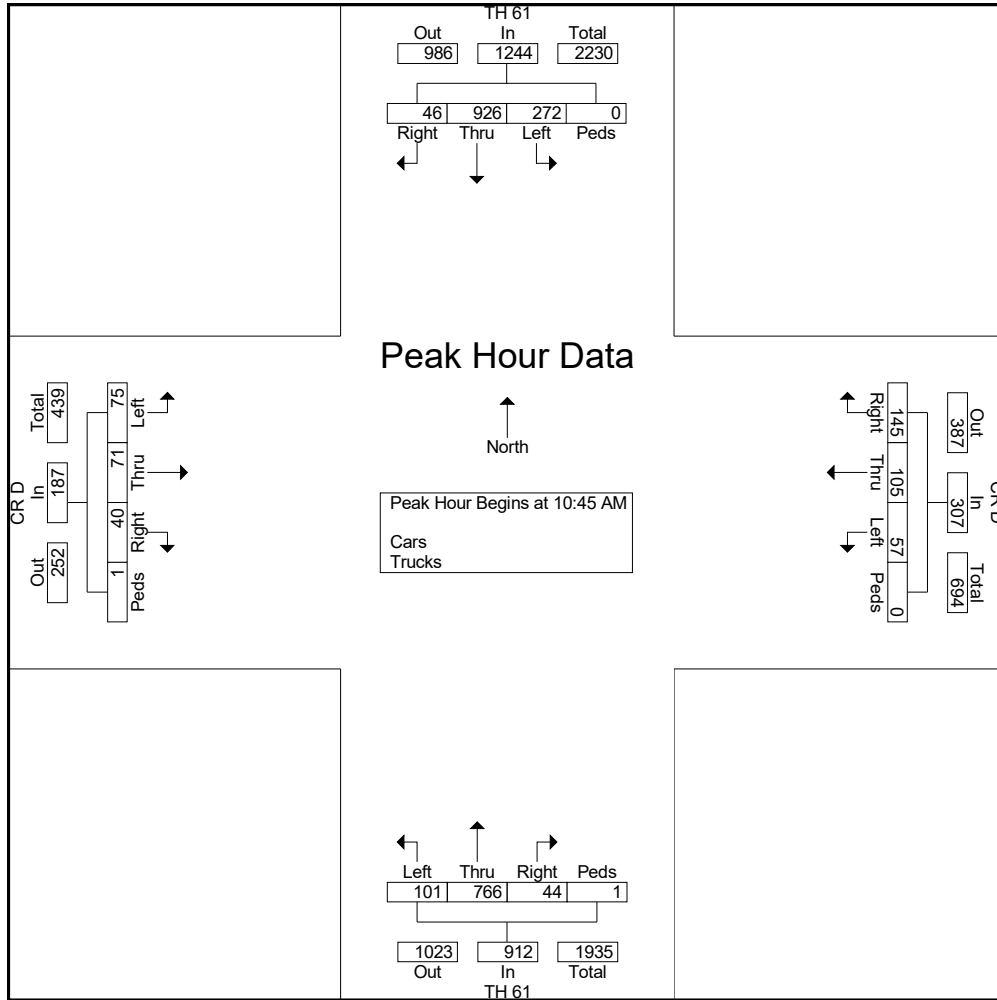
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 10:45 AM																					
10:45 AM	7	253	87	0	347	36	39	15	0	90	10	167	31	1	209	12	18	16	0	46	692
11:00 AM	11	216	68	0	295	37	26	9	0	72	17	182	24	0	223	12	19	16	1	48	638
11:15 AM	12	225	59	0	296	39	17	12	0	68	7	206	29	0	242	8	18	16	0	42	648
11:30 AM	16	232	58	0	306	33	23	21	0	77	10	211	17	0	238	8	16	27	0	51	672
Total Volume	46	926	272	0	1244	145	105	57	0	307	44	766	101	1	912	40	71	75	1	187	2650
% App. Total	3.7	74.4	21.9	0		47.2	34.2	18.6	0		4.8	84	11.1	0.1		21.4	38	40.1	0.5		
PHF	.719	.915	.782	.000	.896	.929	.673	.679	.000	.853	.647	.908	.815	.250	.942	.833	.934	.694	.250	.917	.957



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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 02:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	10	285	72	0	367	34	36	13	0	83	26	357	24	0	407	17	17	36	0	70	927
04:15 PM	7	307	66	0	380	38	33	17	0	88	26	391	23	0	440	11	23	29	0	63	971
04:30 PM	11	317	65	0	393	41	35	22	0	98	28	440	39	0	507	15	26	32	0	73	1071
04:45 PM	18	327	74	0	419	35	54	19	0	108	26	432	34	0	492	15	24	34	0	73	1092
Total Volume	46	1236	277	0	1559	148	158	71	0	377	106	1620	120	0	1846	58	90	131	0	279	4061
% App. Total	3	79.3	17.8	0		39.3	41.9	18.8	0		5.7	87.8	6.5	0		20.8	32.3	47	0		
PHF	.639	.945	.936	.000	.930	.902	.731	.807	.000	.873	.946	.920	.769	.000	.910	.853	.865	.910	.000	.955	.930

