

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Cedar Ave
 Ref Pt: 145+00.157
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 512_TH 61 and Cedar Avenue
 Site Code : 1735490
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					Cedar Ave Westbound					TH 61 Northbound					Cedar Ave 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	0	183	0	0	183	2	0	9	0	11	0	52	3	0	55	12	2	0	0	14	263
06:15 AM	0	264	1	0	265	4	2	15	0	21	4	59	7	0	70	8	2	0	0	10	366
06:30 AM	0	367	5	0	372	1	2	12	0	15	4	78	12	0	94	21	8	0	0	29	510
06:45 AM	0	344	4	0	348	4	7	18	0	29	8	88	10	0	106	26	3	1	0	30	513
Total	0	1158	10	0	1168	11	11	54	0	76	16	277	32	0	325	67	15	1	0	83	1652
07:00 AM	0	424	2	0	426	7	5	14	0	26	11	103	10	0	124	24	2	0	0	26	602
07:15 AM	0	408	12	0	420	5	5	29	0	39	12	97	15	0	124	23	23	0	0	46	629
07:30 AM	1	421	9	0	431	1	10	38	0	49	18	102	10	0	130	37	27	0	0	64	674
07:45 AM	2	403	8	0	413	3	3	17	0	23	35	110	15	0	160	33	13	1	0	47	643
Total	3	1656	31	0	1690	16	23	98	0	137	76	412	50	0	538	117	65	1	0	183	2548
08:00 AM	0	291	8	0	299	5	0	41	0	46	21	120	15	0	156	29	7	2	0	38	539
08:15 AM	0	276	8	0	284	4	8	16	0	28	8	101	2	0	111	15	3	0	0	18	441
08:30 AM	2	215	7	0	224	3	3	16	0	22	18	103	9	0	130	27	7	1	0	35	411
08:45 AM	2	256	7	0	265	6	4	22	0	32	14	132	9	0	155	20	9	0	0	29	481
Total	4	1038	30	0	1072	18	15	95	0	128	61	456	35	0	552	91	26	3	0	120	1872
09:00 AM	3	214	5	0	222	1	4	29	0	34	13	126	7	0	146	22	13	0	0	35	437
09:15 AM	0	224	5	0	229	6	7	8	0	21	10	123	10	0	143	21	3	0	0	24	417
*** BREAK ***																					
Total	3	438	10	0	451	7	11	37	0	55	23	249	17	0	289	43	16	0	0	59	854
*** BREAK ***																					
10:30 AM	2	180	4	0	186	8	5	7	0	20	18	137	3	0	158	12	3	0	0	15	379
10:45 AM	1	193	6	0	200	1	7	12	0	20	10	172	11	0	193	16	3	1	0	20	433
Total	3	373	10	0	386	9	12	19	0	40	28	309	14	0	351	28	6	1	0	35	812
11:00 AM	1	189	9	0	199	9	9	11	0	29	17	173	6	0	196	7	4	0	0	11	435
11:15 AM	2	184	9	0	195	6	1	12	0	19	16	187	14	0	217	10	5	1	0	16	447
11:30 AM	1	194	8	0	203	5	4	13	0	22	13	192	9	0	214	18	6	0	0	24	463
11:45 AM	0	203	9	0	212	9	3	17	0	29	19	194	6	0	219	21	9	0	0	30	490
Total	4	770	35	0	809	29	17	53	0	99	65	746	35	0	846	56	24	1	0	81	1835
12:00 PM	2	204	8	0	214	5	10	18	0	33	11	175	12	0	198	17	2	0	0	19	464
12:15 PM	1	201	9	0	211	7	9	16	0	32	24	188	16	0	228	13	6	0	0	19	490
12:30 PM	0	206	8	0	214	12	8	21	0	41	24	172	12	0	208	19	5	0	0	24	487
12:45 PM	1	220	10	0	231	8	9	22	0	39	14	200	7	0	221	13	4	1	0	18	509
Total	4	831	35	0	870	32	36	77	0	145	73	735	47	0	855	62	17	1	0	80	1950
01:00 PM	0	193	11	0	204	15	6	14	0	35	14	167	20	0	201	14	3	0	0	17	457
01:15 PM	3	181	8	0	192	5	6	23	0	34	15	170	10	0	195	16	6	1	0	23	444
*** BREAK ***																					
Total	3	374	19	0	396	20	12	37	0	69	29	337	30	0	396	30	9	1	0	40	901
*** BREAK ***																					
02:30 PM	3	200	6	0	209	8	10	14	0	32	26	232	7	0	265	19	6	0	0	25	531
02:45 PM	2	192	8	0	202	11	12	15	0	38	19	279	10	0	308	33	4	0	0	37	585
Total	5	392	14	0	411	19	22	29	0	70	45	511	17	0	573	52	10	0	0	62	1116
03:00 PM	5	205	10	0	220	10	7	11	0	28	21	267	18	0	306	20	6	0	0	26	580
03:15 PM	0	199	10	1	210	7	6	17	0	30	26	264	22	0	312	23	15	4	0	42	594
03:30 PM	4	226	5	0	235	7	8	16	0	31	27	285	14	0	326	20	10	1	0	31	623

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Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					Cedar Ave Westbound					TH 61 Northbound					Cedar Ave 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	0	232	10	0	242	10	8	15	0	33	30	332	15	0	377	32	14	0	0	46	698
Total	9	862	35	1	907	34	29	59	0	122	104	1148	69	0	1321	95	45	5	0	145	2495
04:00 PM	0	188	6	0	194	13	11	23	0	47	29	314	14	0	357	37	8	1	0	46	644
04:15 PM	0	186	10	0	196	2	3	21	0	26	27	363	15	0	405	28	5	1	0	34	661
04:30 PM	0	221	12	0	233	4	7	11	0	22	28	330	20	0	378	35	14	1	0	50	683
04:45 PM	1	207	9	1	218	9	9	14	0	32	29	329	11	0	369	27	12	1	0	40	659
Total	1	802	37	1	841	28	30	69	0	127	113	1336	60	0	1509	127	39	4	0	170	2647
05:00 PM	0	197	14	0	211	11	10	11	0	32	33	363	13	0	409	22	18	3	0	43	695
05:15 PM	2	185	17	0	204	10	9	16	0	35	34	328	18	0	380	22	18	1	0	41	660
05:30 PM	2	212	8	0	222	9	14	19	0	42	37	335	10	0	382	17	14	1	0	32	678
05:45 PM	1	206	10	0	217	5	3	9	0	17	26	255	8	0	289	16	5	2	0	23	546
Total	5	800	49	0	854	35	36	55	0	126	130	1281	49	0	1460	77	55	7	0	139	2579
Grand Total	44	9494	315	2	9855	258	254	682	0	1194	763	7797	455	0	9015	845	327	25	0	1197	21261
Apprch %	0.4	96.3	3.2	0		21.6	21.3	57.1	0		8.5	86.5	5	0		70.6	27.3	2.1	0		
Total %	0.2	44.7	1.5	0	46.4	1.2	1.2	3.2	0	5.6	3.6	36.7	2.1	0	42.4	4	1.5	0.1	0	5.6	
Cars	42	9281	307	2	9632	255	252	669	0	1176	756	7608	409	0	8773	792	323	23	0	1138	20719
% Cars	95.5	97.8	97.5	100	97.7	98.8	99.2	98.1	0	98.5	99.1	97.6	89.9	0	97.3	93.7	98.8	92	0	95.1	97.5
Trucks	2	213	8	0	223	3	2	13	0	18	7	189	46	0	242	53	4	2	0	59	542
% Trucks	4.5	2.2	2.5	0	2.3	1.2	0.8	1.9	0	1.5	0.9	2.4	10.1	0	2.7	6.3	1.2	8	0	4.9	2.5

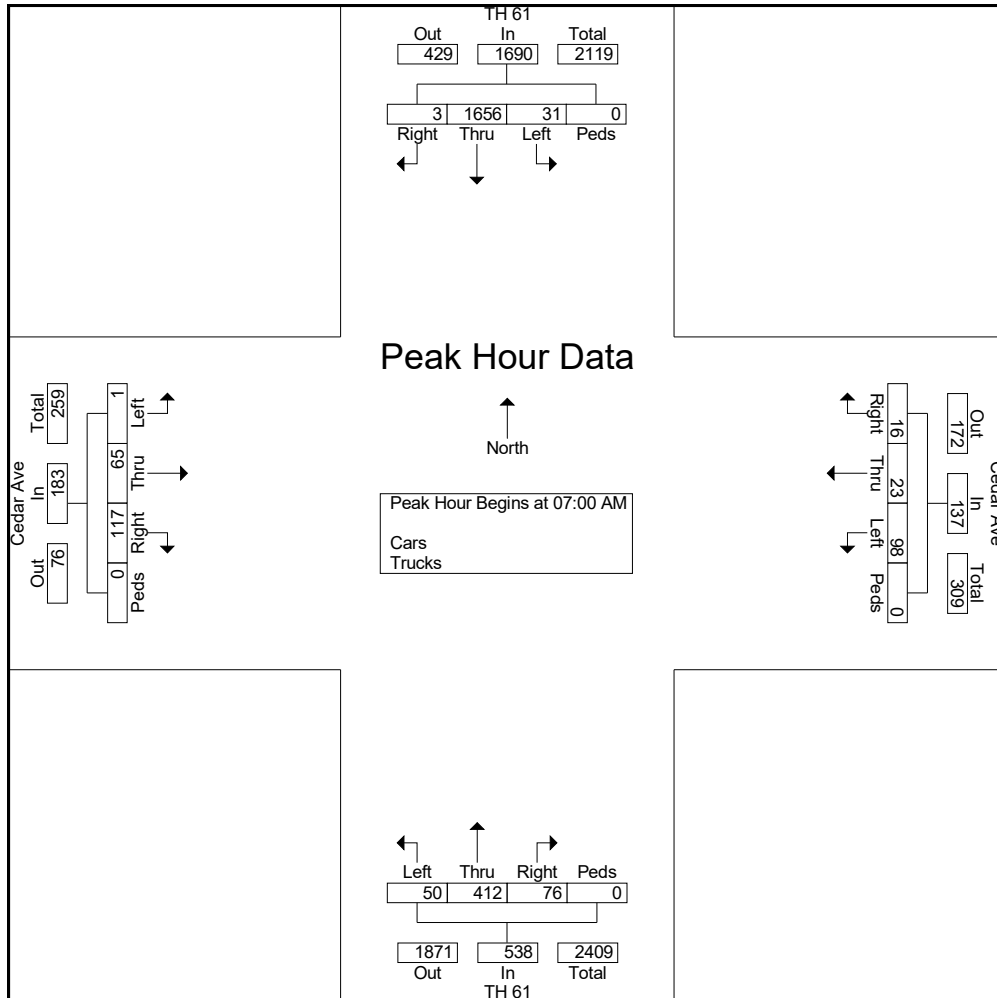
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	424	2	0	426	7	5	14	0	26	11	103	10	0	124	24	2	0	0	26	602
07:15 AM	0	408	12	0	420	5	5	29	0	39	12	97	15	0	124	23	23	0	0	46	629
07:30 AM	1	421	9	0	431	1	10	38	0	49	18	102	10	0	130	37	27	0	0	64	674
07:45 AM	2	403	8	0	413	3	3	17	0	23	35	110	15	0	160	33	13	1	0	47	643
Total Volume	3	1656	31	0	1690	16	23	98	0	137	76	412	50	0	538	117	65	1	0	183	2548
% App. Total	0.2	98	1.8	0		11.7	16.8	71.5	0		14.1	76.6	9.3	0		63.9	35.5	0.5	0		
PHF	.375	.976	.646	.000	.980	.571	.575	.645	.000	.699	.543	.936	.833	.000	.841	.791	.602	.250	.000	.715	.945



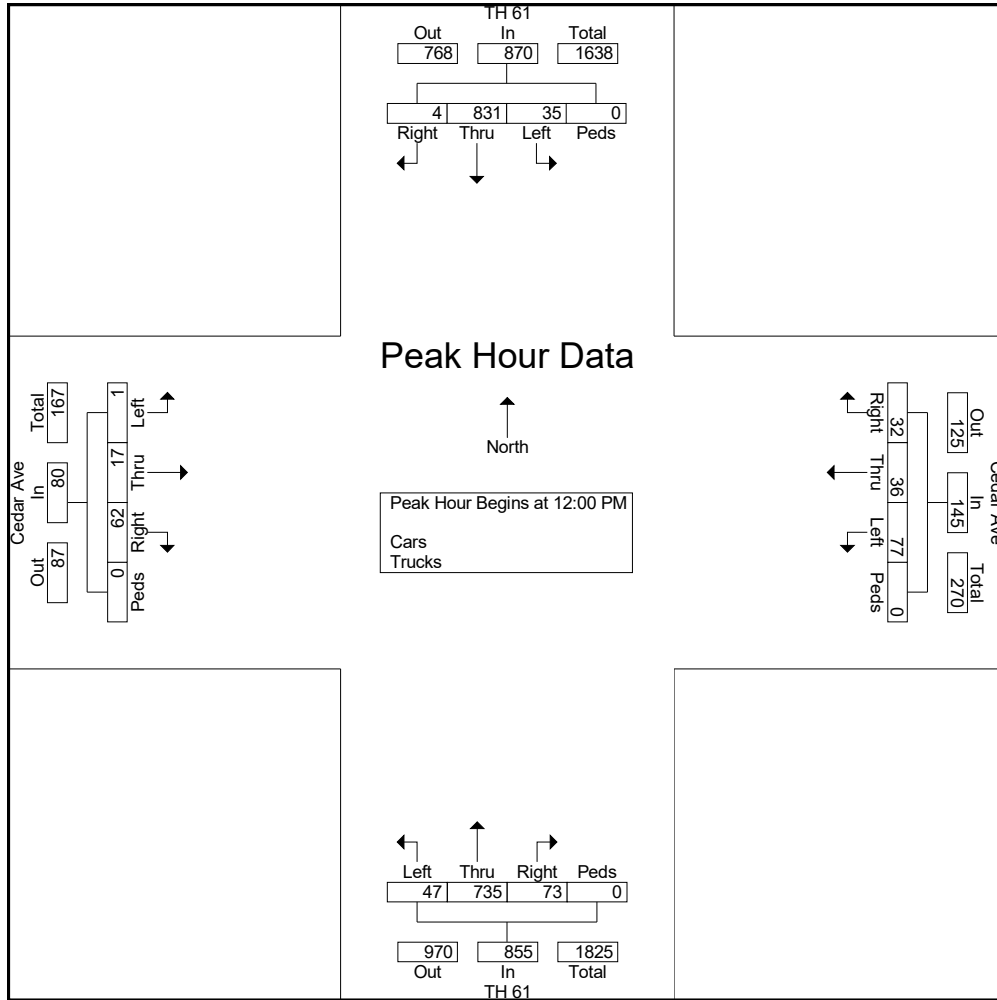
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	2	204	8	0	214	5	10	18	0	33	11	175	12	0	198	17	2	0	0	19	464
12:15 PM	1	201	9	0	211	7	9	16	0	32	24	188	16	0	228	13	6	0	0	19	490
12:30 PM	0	206	8	0	214	12	8	21	0	41	24	172	12	0	208	19	5	0	0	24	487
12:45 PM	1	220	10	0	231	8	9	22	0	39	14	200	7	0	221	13	4	1	0	18	509
Total Volume	4	831	35	0	870	32	36	77	0	145	73	735	47	0	855	62	17	1	0	80	1950
% App. Total	0.5	95.5	4	0		22.1	24.8	53.1	0		8.5	86	5.5	0		77.5	21.2	1.2	0		
PHF	.500	.944	.875	.000	.942	.667	.900	.875	.000	.884	.760	.919	.734	.000	.938	.816	.708	.250	.000	.833	.958



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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 04:15 PM																					
04:15 PM	0	186	10	0	196	2	3	21	0	26	27	363	15	0	405	28	5	1	0	34	661
04:30 PM	0	221	12	0	233	4	7	11	0	22	28	330	20	0	378	35	14	1	0	50	683
04:45 PM	1	207	9	1	218	9	9	14	0	32	29	329	11	0	369	27	12	1	0	40	659
05:00 PM	0	197	14	0	211	11	10	11	0	32	33	363	13	0	409	22	18	3	0	43	695
Total Volume	1	811	45	1	858	26	29	57	0	112	117	1385	59	0	1561	112	49	6	0	167	2698
% App. Total	0.1	94.5	5.2	0.1		23.2	25.9	50.9	0		7.5	88.7	3.8	0		67.1	29.3	3.6	0		
PHF	.250	.917	.804	.250	.921	.591	.725	.679	.000	.875	.886	.954	.738	.000	.954	.800	.681	.500	.000	.835	.971

