

**Alliant Engineering, Inc**

733 Marquette Ave, Ste 700  
 Minneapolis, MN 55402

--TRAFFIC DATA--

411\_TH 41 & Hazeltine Boulevard

Ref. Pt: 5.2

data by: Alliant Inc.

TURN MOVEMENT COUNT

File Name : 411\_TH 41 & Hazeltine Boulevard

Site Code : 00000411

Start Date : 9/19/2018

Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					Hazeltine Boulevard From East					TH 41 From South					Hazeltine Boulevard From West					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
06:00 AM	9	25	2	0	36	3	0	7	0	10	0	65	7	0	72	1	1	4	0	6	124
06:15 AM	6	42	1	0	49	5	0	7	0	12	1	55	5	0	61	0	0	4	0	4	126
06:30 AM	14	32	0	0	46	3	1	10	0	14	0	95	8	0	103	1	0	4	0	5	168
06:45 AM	13	26	1	0	40	3	0	14	0	17	1	142	15	0	158	1	0	2	0	3	218
Total	42	125	4	0	171	14	1	38	0	53	2	357	35	0	394	3	1	14	0	18	636
07:00 AM	23	46	1	0	70	1	0	28	0	29	5	166	17	0	188	1	2	5	0	8	295
07:15 AM	20	71	0	0	91	6	1	22	0	29	1	163	22	0	186	0	0	1	0	1	307
07:30 AM	19	50	1	0	70	5	0	29	0	34	1	226	23	0	250	5	2	1	0	8	362
07:45 AM	28	58	2	0	88	4	0	30	0	34	1	291	23	0	315	1	4	4	0	9	446
Total	90	225	4	0	319	16	1	109	0	126	8	846	85	0	939	7	8	11	0	26	1410
08:00 AM	33	81	0	0	114	7	1	26	0	34	4	231	25	0	260	3	1	5	0	9	417
08:15 AM	21	84	0	0	105	10	1	33	0	44	4	163	22	0	189	5	1	3	0	9	347
08:30 AM	11	85	0	0	96	7	2	25	0	34	3	131	14	0	148	3	1	8	0	12	290
08:45 AM	23	89	3	0	115	11	0	16	0	27	5	157	17	0	179	0	1	3	0	4	325
Total	88	339	3	0	430	35	4	100	0	139	16	682	78	0	776	11	4	19	0	34	1379
09:00 AM	24	77	2	0	103	6	0	17	0	23	3	109	18	0	130	1	0	2	0	3	259
09:15 AM	13	74	4	0	91	5	3	11	0	19	1	103	17	0	121	1	3	4	0	8	239
*** BREAK ***																					
Total	37	151	6	0	194	11	3	28	0	42	4	212	35	0	251	2	3	6	0	11	498
*** BREAK ***																					
10:30 AM	26	57	1	0	84	18	2	10	0	30	2	77	19	0	98	3	2	5	0	10	222
10:45 AM	36	50	2	0	88	10	3	27	0	40	7	87	13	0	107	0	0	7	0	7	242
Total	62	107	3	0	172	28	5	37	0	70	9	164	32	0	205	3	2	12	0	17	464
11:00 AM	27	88	0	0	115	9	0	27	0	36	10	74	24	0	108	5	2	5	0	12	271
11:15 AM	25	78	3	1	107	13	1	26	0	40	3	92	18	0	113	2	1	4	0	7	267
11:30 AM	49	97	0	0	146	24	1	26	0	51	2	102	21	0	125	0	1	2	0	3	325
11:45 AM	54	88	0	0	142	20	0	19	0	39	1	97	15	0	113	1	3	6	0	10	304
Total	155	351	3	1	510	66	2	98	0	166	16	365	78	0	459	8	7	17	0	32	1167
12:00 PM	51	88	0	0	139	10	0	36	0	46	2	105	16	0	123	2	3	10	0	15	323
12:15 PM	68	102	2	0	172	18	3	38	0	59	4	121	20	0	145	1	4	3	0	8	384
12:30 PM	45	91	3	0	139	12	1	40	0	53	5	115	26	0	146	1	2	6	0	9	347
12:45 PM	51	123	4	0	178	11	2	43	0	56	3	126	23	0	152	2	0	4	0	6	392
Total	215	404	9	0	628	51	6	157	0	214	14	467	85	0	566	6	9	23	0	38	1446
01:00 PM	41	73	3	0	117	16	1	35	0	52	9	117	13	0	139	3	2	6	0	11	319
01:15 PM	29	101	5	0	135	19	1	35	0	55	3	115	19	0	137	3	0	2	0	5	332
*** BREAK ***																					
Total	70	174	8	0	252	35	2	70	0	107	12	232	32	0	276	6	2	8	0	16	651
*** BREAK ***																					
02:30 PM	26	108	4	0	138	12	5	27	0	44	7	110	11	0	128	5	4	6	0	15	325
02:45 PM	37	131	4	0	172	15	1	24	0	40	2	103	12	0	117	2	1	4	0	7	336
Total	63	239	8	0	310	27	6	51	0	84	9	213	23	0	245	7	5	10	0	22	661
03:00 PM	38	144	4	0	186	10	2	25	0	37	6	96	10	1	113	3	2	7	0	12	348
03:15 PM	32	205	3	0	240	16	1	26	0	43	4	96	13	0	113	5	1	8	0	14	410
03:30 PM	45	165	5	0	215	14	1	25	0	40	1	91	12	0	104	2	3	1	0	6	365
03:45 PM	47	204	4	0	255	12	3	24	0	39	6	115	21	0	142	1	1	3	0	5	441
Total	162	718	16	0	896	52	7	100	0	159	17	398	56	1	472	11	7	19	0	37	1564

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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	38	120	0	0	158	16	1	21	0	38	9	121	19	0	149	2	3	1	0	6	351
04:15 PM	36	196	1	0	233	22	2	33	0	57	2	111	11	0	124	1	0	2	0	3	417
04:30 PM	51	186	3	0	240	14	0	30	0	44	9	102	16	0	127	1	1	4	0	6	417
04:45 PM	48	201	1	0	250	16	1	20	0	37	3	115	18	0	136	2	1	7	0	10	433
Total	173	703	5	0	881	68	4	104	0	176	23	449	64	0	536	6	5	14	0	25	1618
05:00 PM	47	162	2	0	211	24	3	30	0	57	9	136	22	0	167	6	2	8	0	16	451
05:15 PM	41	216	1	0	258	32	4	34	0	70	5	113	10	0	128	0	1	5	0	6	462
05:30 PM	35	166	0	0	201	13	4	21	0	38	4	99	19	0	122	1	2	2	0	5	366
05:45 PM	31	163	2	0	196	20	3	30	0	53	6	124	23	0	153	1	0	7	0	8	410
Total	154	707	5	0	866	89	14	115	0	218	24	472	74	0	570	8	5	22	0	35	1689
Grand Total	1311	4243	74	1	5629	492	55	1007	0	1554	154	4857	677	1	5689	78	58	175	0	311	13183
Apprch %	23.3	75.4	1.3	0		31.7	3.5	64.8	0		2.7	85.4	11.9	0		25.1	18.6	56.3	0		
Total %	9.9	32.2	0.6	0	42.7	3.7	0.4	7.6	0	11.8	1.2	36.8	5.1	0	43.2	0.6	0.4	1.3	0	2.4	
Class 1	1286	4002	67	0	5355	482	53	987	0	1522	147	4575	668	1	5391	73	55	166	0	294	12562
% Class 1	98.1	94.3	90.5	0	95.1	98	96.4	98	0	97.9	95.5	94.2	98.7	100	94.8	93.6	94.8	94.9	0	94.5	95.3
Class 2	25	241	7	1	274	10	2	20	0	32	7	282	9	0	298	5	3	9	0	17	621
% Class 2	1.9	5.7	9.5	100	4.9	2	3.6	2	0	2.1	4.5	5.8	1.3	0	5.2	6.4	5.2	5.1	0	5.5	4.7

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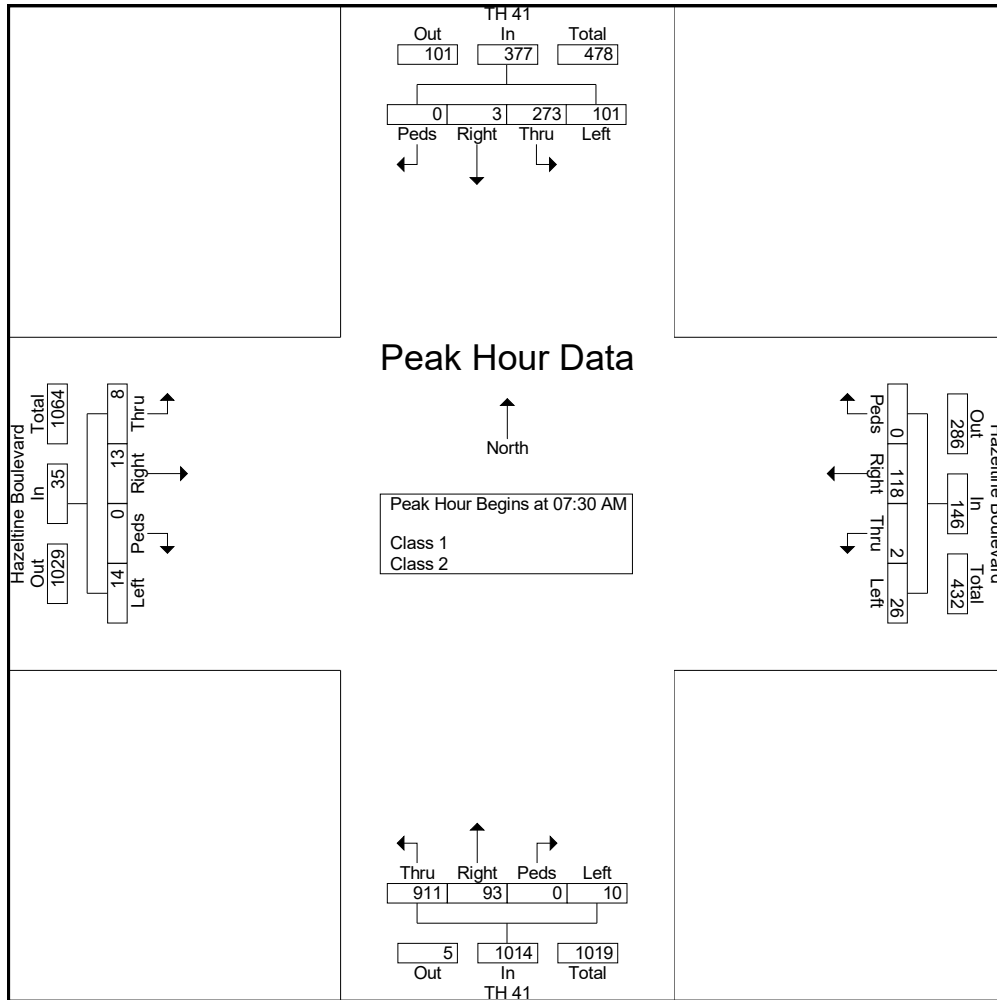
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	19	50	1	0	70	5	0	29	0	34	1	226	23	0	250	5	2	1	0	8	362
07:45 AM	28	58	2	0	88	4	0	30	0	34	1	291	23	0	315	1	4	4	0	9	446
08:00 AM	33	81	0	0	114	7	1	26	0	34	4	231	25	0	260	3	1	5	0	9	417
08:15 AM	21	84	0	0	105	10	1	33	0	44	4	163	22	0	189	5	1	3	0	9	347
Total Volume	101	273	3	0	377	26	2	118	0	146	10	911	93	0	1014	14	8	13	0	35	1572
% App. Total	26.8	72.4	0.8	0		17.8	1.4	80.8	0		1	89.8	9.2	0		40	22.9	37.1	0		
PHF	.765	.813	.375	.000	.827	.650	.500	.894	.000	.830	.625	.783	.930	.000	.805	.700	.500	.650	.000	.972	.881



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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	51	186	3	0	240	14	0	30	0	44	9	102	16	0	127	1	1	4	0	6	417
04:45 PM	48	201	1	0	250	16	1	20	0	37	3	115	18	0	136	2	1	7	0	10	433
05:00 PM	47	162	2	0	211	24	3	30	0	57	9	136	22	0	167	6	2	8	0	16	451
05:15 PM	41	216	1	0	258	32	4	34	0	70	5	113	10	0	128	0	1	5	0	6	462
Total Volume	187	765	7	0	959	86	8	114	0	208	26	466	66	0	558	9	5	24	0	38	1763
% App. Total	19.5	79.8	0.7	0		41.3	3.8	54.8	0		4.7	83.5	11.8	0		23.7	13.2	63.2	0		
PHF	.917	.885	.583	.000	.929	.672	.500	.838	.000	.743	.722	.857	.750	.000	.835	.375	.625	.750	.000	.594	.954

