

**Alliant Engineering, Inc**

733 Marquette Ave, Ste 700  
 Minneapolis, MN 55402

--TRAFFIC DATA--

401\_TH 41 & 2nd Street  
 Ref. Pt.: 1.752  
 data by: Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 401\_TH 41 & 2nd Street  
 Site Code : 00000401  
 Start Date : 10/10/2018  
 Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					2nd Street From East					TH 41 From South					2nd Street 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	1	96	1	0	98	2	0	1	2	5	3	55	1	0	59	3	0	0	0	3	165
06:15 AM	3	95	0	0	98	4	0	3	0	7	3	110	2	0	115	3	1	2	0	6	226
06:30 AM	2	145	0	0	147	10	0	3	0	13	4	140	5	0	149	1	3	0	0	4	313
06:45 AM	4	114	0	0	118	7	0	3	0	10	5	161	2	0	168	4	3	1	0	8	304
Total	10	450	1	0	461	23	0	10	2	35	15	466	10	0	491	11	7	3	0	21	1008
07:00 AM	4	122	2	0	128	2	0	1	0	3	1	165	6	0	172	4	2	0	0	6	309
07:15 AM	10	141	3	0	154	9	4	3	1	17	8	234	12	0	254	5	4	3	0	12	437
07:30 AM	7	139	2	1	149	6	0	3	0	9	8	245	4	0	257	7	6	1	0	14	429
07:45 AM	17	145	4	0	166	12	3	3	0	18	12	247	9	2	270	4	10	0	0	14	468
Total	38	547	11	1	597	29	7	10	1	47	29	891	31	2	953	20	22	4	0	46	1643
08:00 AM	13	136	2	0	151	5	0	2	1	8	5	178	3	1	187	2	3	2	0	7	353
08:15 AM	8	115	1	0	124	8	2	2	1	13	9	157	9	0	175	5	6	1	0	12	324
08:30 AM	8	128	1	1	138	7	3	2	4	16	6	155	3	0	164	4	1	1	0	6	324
08:45 AM	4	102	2	0	108	6	2	3	0	11	7	139	4	0	150	3	2	0	0	5	274
Total	33	481	6	1	521	26	7	9	6	48	27	629	19	1	676	14	12	4	0	30	1275
09:00 AM	12	96	8	0	116	5	2	2	0	9	8	129	2	0	139	8	7	1	0	16	280
09:15 AM	3	93	3	0	99	3	3	2	0	8	4	103	2	0	109	6	5	0	0	11	227
*** BREAK ***																					
Total	15	189	11	0	215	8	5	4	0	17	12	232	4	0	248	14	12	1	0	27	507
*** BREAK ***																					
10:30 AM	6	89	3	1	99	6	0	3	3	12	3	103	2	0	108	6	1	1	0	8	227
10:45 AM	5	93	5	0	103	4	1	0	0	5	3	98	1	1	103	3	2	2	0	7	218
Total	11	182	8	1	202	10	1	3	3	17	6	201	3	1	211	9	3	3	0	15	445
11:00 AM	8	98	5	0	111	5	1	5	0	11	6	78	0	0	84	2	3	0	0	5	211
11:15 AM	7	94	4	1	106	1	2	4	2	9	9	104	1	0	114	1	6	5	0	12	241
11:30 AM	6	99	6	0	111	7	2	3	0	12	11	116	2	1	130	6	4	1	0	11	264
11:45 AM	6	110	2	0	118	10	0	6	2	18	9	104	3	0	116	4	3	1	0	8	260
Total	27	401	17	1	446	23	5	18	4	50	35	402	6	1	444	13	16	7	0	36	976
12:00 PM	2	109	4	1	116	6	4	4	3	17	9	92	1	0	102	6	1	1	0	8	243
12:15 PM	4	109	5	0	118	1	1	3	0	5	4	113	1	1	119	3	2	2	1	8	250
12:30 PM	7	106	0	0	113	1	3	1	1	6	6	95	2	1	104	8	2	2	0	12	235
12:45 PM	10	117	7	1	135	6	5	3	1	15	7	115	1	0	123	1	1	0	0	2	275
Total	23	441	16	2	482	14	13	11	5	43	26	415	5	2	448	18	6	5	1	30	1003
01:00 PM	4	102	6	0	112	5	2	2	0	9	4	105	3	0	112	5	3	2	0	10	243
01:15 PM	7	110	3	0	120	4	5	5	0	14	7	88	3	1	99	4	3	3	0	10	243
*** BREAK ***																					
Total	11	212	9	0	232	9	7	7	0	23	11	193	6	1	211	9	6	5	0	20	486
*** BREAK ***																					
02:30 PM	3	115	7	1	126	6	3	2	0	11	6	146	1	0	153	2	3	1	0	6	296
02:45 PM	4	146	5	1	156	7	3	6	1	17	7	161	3	0	171	3	1	0	0	4	348
Total	7	261	12	2	282	13	6	8	1	28	13	307	4	0	324	5	4	1	0	10	644
03:00 PM	4	129	5	0	138	13	1	4	2	20	12	151	2	0	165	2	2	1	0	5	328
03:15 PM	10	146	6	0	162	13	3	3	1	20	13	158	4	0	175	3	0	0	0	3	360
03:30 PM	9	164	3	0	176	11	3	4	1	19	14	159	2	0	175	6	7	0	0	13	383
03:45 PM	8	178	3	0	189	10	1	8	1	20	15	180	8	0	203	4	6	1	0	11	423
Total	31	617	17	0	665	47	8	19	5	79	54	648	16	0	718	15	15	2	0	32	1494

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File Name : 401\_TH 41 & 2nd Street  
 Site Code : 00000401  
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 Page No : 2

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					2nd Street From East					TH 41 From South					2nd Street 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	
04:00 PM	8	181	9	0	198	13	7	15	0	35	17	164	4	0	185	5	5	3	0	13	431
04:15 PM	8	176	7	0	191	13	5	8	0	26	19	213	1	4	237	8	4	2	2	16	470
04:30 PM	7	228	8	0	243	31	10	3	0	44	16	230	4	0	250	7	2	1	0	10	547
04:45 PM	12	202	6	0	220	12	6	6	1	25	21	238	5	0	264	5	5	6	0	16	525
Total	35	787	30	0	852	69	28	32	1	130	73	845	14	4	936	25	16	12	2	55	1973
05:00 PM	10	156	9	0	175	16	0	6	1	23	18	186	1	0	205	3	4	3	1	11	414
05:15 PM	7	178	4	0	189	5	7	5	0	17	20	215	6	0	241	8	3	0	0	11	458
05:30 PM	6	168	4	2	180	4	1	5	0	10	21	194	1	0	216	7	2	1	0	10	416
05:45 PM	10	143	6	2	161	9	2	5	1	17	15	183	5	0	203	5	3	0	0	8	389
Total	33	645	23	4	705	34	10	21	2	67	74	778	13	0	865	23	12	4	1	40	1677
Grand Total	274	5213	161	12	5660	305	97	152	30	584	375	6007	131	12	6525	176	131	51	4	362	13131
Apprch %	4.8	92.1	2.8	0.2		52.2	16.6	26	5.1		5.7	92.1	2	0.2		48.6	36.2	14.1	1.1		
Total %	2.1	39.7	1.2	0.1	43.1	2.3	0.7	1.2	0.2	4.4	2.9	45.7	1	0.1	49.7	1.3	1	0.4	0	2.8	
Class 1	273	4858	160	12	5303	301	95	148	30	574	373	5583	130	11	6097	166	123	50	3	342	12316
% Class 1	99.6	93.2	99.4	100	93.7	98.7	97.9	97.4	100	98.3	99.5	92.9	99.2	91.7	93.4	94.3	93.9	98	75	94.5	93.8
Class 2	1	355	1	0	357	4	2	4	0	10	2	424	1	1	428	10	8	1	1	20	815
% Class 2	0.4	6.8	0.6	0	6.3	1.3	2.1	2.6	0	1.7	0.5	7.1	0.8	8.3	6.6	5.7	6.1	2	25	5.5	6.2

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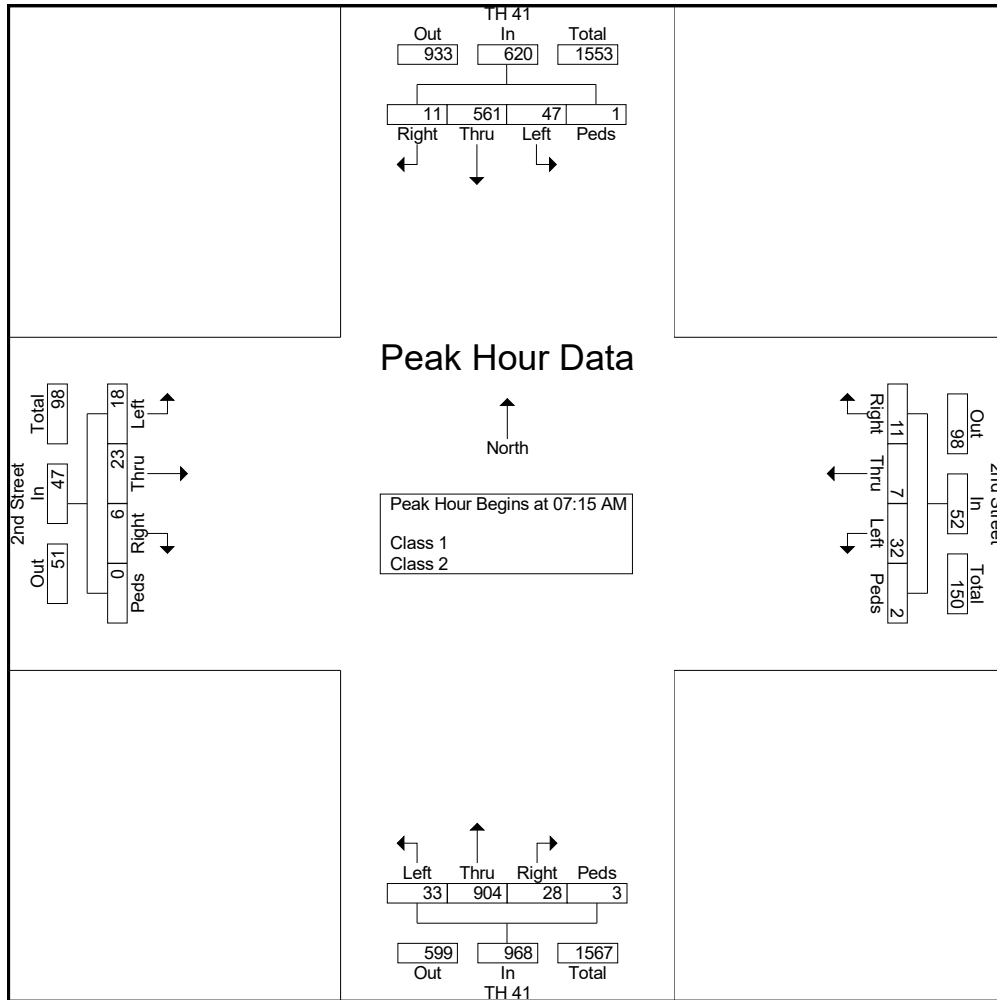
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	10	141	3	0	154	9	4	3	1	17	8	234	12	0	254	5	4	3	0	12	437
07:30 AM	7	139	2	1	149	6	0	3	0	9	8	245	4	0	257	7	6	1	0	14	429
07:45 AM	17	145	4	0	166	12	3	3	0	18	12	247	9	2	270	4	10	0	0	14	468
08:00 AM	13	136	2	0	151	5	0	2	1	8	5	178	3	1	187	2	3	2	0	7	353
Total Volume	47	561	11	1	620	32	7	11	2	52	33	904	28	3	968	18	23	6	0	47	1687
% App. Total	7.6	90.5	1.8	0.2		61.5	13.5	21.2	3.8		3.4	93.4	2.9	0.3		38.3	48.9	12.8	0		
PHF	.691	.967	.688	.250	.934	.667	.438	.917	.500	.722	.688	.915	.583	.375	.896	.643	.575	.500	.000	.839	.901



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 Page No : 4

Start Time	TH 41 From North					2nd Street From East					TH 41 From South					2nd Street 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	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	8	181	9	0	198	13	7	15	0	35	17	164	4	0	185	5	5	3	0	13	431
04:15 PM	8	176	7	0	191	13	5	8	0	26	19	213	1	4	237	8	4	2	2	16	470
04:30 PM	7	228	8	0	243	31	10	3	0	44	16	230	4	0	250	7	2	1	0	10	547
04:45 PM	12	202	6	0	220	12	6	6	1	25	21	238	5	0	264	5	5	6	0	16	525
Total Volume	35	787	30	0	852	69	28	32	1	130	73	845	14	4	936	25	16	12	2	55	1973
% App. Total	4.1	92.4	3.5	0		53.1	21.5	24.6	0.8		7.8	90.3	1.5	0.4		45.5	29.1	21.8	3.6		
PHF	.729	.863	.833	.000	.877	.556	.700	.533	.250	.739	.869	.888	.700	.250	.886	.781	.800	.500	.250	.859	.902

