

**Alliant Engineering, Inc**

733 Marquette Ave, Ste 700  
 Minneapolis, MN 55402

--TRAFFIC DATA--

407\_TH 41 & 212 S Ramp  
 Ref. Pt.: 148.0  
 data by: Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 407\_TH 41 & 212 S Ramp  
 Site Code : 00000407  
 Start Date : 9/19/2018  
 Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					212 S Ramp From East					TH 41 From South					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	27	46	0	0	73	0	0	0	0	0	0	33	53	0	86	27	0	17	0	44	203
06:15 AM	85	45	0	0	130	0	0	0	0	0	0	38	83	0	121	43	0	16	0	59	310
06:30 AM	49	74	0	0	123	0	0	0	0	0	0	56	117	0	173	50	0	18	0	68	364
06:45 AM	91	84	0	0	175	0	0	0	0	0	0	105	108	0	213	94	0	37	0	131	519
Total	252	249	0	0	501	0	0	0	0	0	0	232	361	0	593	214	0	88	0	302	1396
07:00 AM	98	111	0	0	209	0	0	0	0	0	0	91	149	0	240	76	1	14	0	91	540
07:15 AM	93	121	0	0	214	0	0	0	0	0	0	108	125	0	233	89	0	24	0	113	560
07:30 AM	78	104	0	0	182	0	0	0	0	0	0	155	133	0	288	114	0	17	0	131	601
07:45 AM	74	138	0	0	212	0	0	0	0	0	0	174	143	0	317	109	0	13	0	122	651
Total	343	474	0	0	817	0	0	0	0	0	0	528	550	0	1078	388	1	68	0	457	2352
08:00 AM	73	151	0	0	224	0	0	0	0	0	0	129	135	0	264	66	0	4	0	70	558
08:15 AM	81	162	0	0	243	0	0	0	0	0	0	140	109	0	249	73	0	11	0	84	576
08:30 AM	50	132	0	0	182	0	0	0	0	0	0	134	101	0	235	51	0	5	0	56	473
08:45 AM	74	108	0	0	182	0	0	0	0	0	0	111	92	0	203	46	0	1	0	47	432
Total	278	553	0	0	831	0	0	0	0	0	0	514	437	0	951	236	0	21	0	257	2039
09:00 AM	67	121	0	0	188	0	0	0	0	0	0	87	82	0	169	41	0	3	0	44	401
09:15 AM	57	128	0	0	185	0	0	0	0	0	0	137	79	0	216	44	1	5	0	50	451
*** BREAK ***																					
Total	124	249	0	0	373	0	0	0	0	0	0	224	161	0	385	85	1	8	0	94	852
*** BREAK ***																					
10:30 AM	46	107	0	0	153	0	0	0	0	0	0	79	38	0	117	37	0	2	0	39	309
10:45 AM	41	113	0	0	154	0	0	0	0	0	0	84	39	0	123	28	0	4	0	32	309
Total	87	220	0	0	307	0	0	0	0	0	0	163	77	0	240	65	0	6	0	71	618
11:00 AM	45	111	0	0	156	0	0	0	0	0	0	86	51	0	137	28	0	1	0	29	322
11:15 AM	45	124	0	0	169	0	0	0	0	0	0	76	57	0	133	33	1	4	0	38	340
11:30 AM	53	146	0	0	199	0	0	0	0	0	0	98	67	0	165	25	0	0	0	25	389
11:45 AM	49	134	0	0	183	0	0	0	0	0	0	91	44	0	135	27	0	0	0	27	345
Total	192	515	0	0	707	0	0	0	0	0	0	351	219	0	570	113	1	5	0	119	1396
12:00 PM	47	135	0	0	182	0	0	0	0	0	0	89	47	0	136	33	0	0	0	33	351
12:15 PM	33	136	0	0	169	0	0	0	0	0	0	103	52	0	155	34	0	3	0	37	361
12:30 PM	43	150	0	0	193	0	0	0	0	0	0	86	48	0	134	25	0	3	0	28	355
12:45 PM	56	147	0	0	203	0	0	0	0	0	0	102	48	0	150	25	0	0	0	25	378
Total	179	568	0	0	747	0	0	0	0	0	0	380	195	0	575	117	0	6	0	123	1445
01:00 PM	42	140	0	0	182	0	0	0	0	0	0	104	38	0	142	35	1	1	0	37	361
01:15 PM	52	153	0	0	205	0	0	0	0	0	0	87	38	0	125	33	0	3	0	36	366
*** BREAK ***																					
Total	94	293	0	0	387	0	0	0	0	0	0	191	76	0	267	68	1	4	0	73	727
*** BREAK ***																					
02:30 PM	50	171	0	0	221	0	0	0	0	0	0	99	44	0	143	30	0	0	0	30	394
02:45 PM	38	192	0	0	230	0	0	0	0	0	0	128	59	0	187	26	0	2	0	28	445
Total	88	363	0	0	451	0	0	0	0	0	0	227	103	0	330	56	0	2	0	58	839
03:00 PM	48	197	0	0	245	0	0	0	0	0	0	111	33	0	144	35	0	6	0	41	430
03:15 PM	52	222	0	0	274	0	0	0	0	0	0	109	43	0	152	37	2	2	0	41	467
03:30 PM	53	252	0	0	305	0	0	0	0	0	0	164	82	0	246	34	0	8	0	42	593
03:45 PM	44	236	0	0	280	0	0	0	0	0	0	182	71	0	253	27	0	3	0	30	563
Total	197	907	0	0	1104	0	0	0	0	0	0	566	229	0	795	133	2	19	0	154	2053

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Start Time	TH 41 From North					212 S Ramp From East					TH 41 From South					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	46	222	0	0	268	0	0	0	0	0	0	147	58	0	205	24	0	2	0	26	499
04:15 PM	52	250	0	0	302	0	0	0	0	0	0	143	58	0	201	25	0	3	0	28	531
04:30 PM	47	218	0	0	265	0	0	0	0	0	0	157	67	0	224	25	0	6	0	31	520
04:45 PM	49	268	0	0	317	0	0	0	0	0	0	157	49	0	206	28	0	4	0	32	555
Total	194	958	0	0	1152	0	0	0	0	0	0	604	232	0	836	102	0	15	0	117	2105
05:00 PM	48	269	0	0	317	0	0	0	0	0	0	158	46	0	204	22	0	5	0	27	548
05:15 PM	33	288	0	0	321	0	0	0	0	0	0	183	52	0	235	28	0	2	0	30	586
05:30 PM	39	210	0	0	249	0	0	0	0	0	0	173	58	0	231	44	1	2	0	47	527
05:45 PM	55	215	0	0	270	0	0	0	0	0	0	137	52	0	189	41	0	1	0	42	501
Total	175	982	0	0	1157	0	0	0	0	0	0	651	208	0	859	135	1	10	0	146	2162
Grand Total	2203	6331	0	0	8534	0	0	0	0	0	0	4631	2848	0	7479	1712	7	252	0	1971	17984
Apprch %	25.8	74.2	0	0		0	0	0	0		0	61.9	38.1	0		86.9	0.4	12.8	0		
Total %	12.2	35.2	0	0	47.5	0	0	0	0	0	0	25.8	15.8	0	41.6	9.5	0	1.4	0	11	
Class 1	2182	6062	0	0	8244	0	0	0	0	0	0	4413	2731	0	7144	1667	7	239	0	1913	17301
% Class 1	99	95.8	0	0	96.6	0	0	0	0	0	0	95.3	95.9	0	95.5	97.4	100	94.8	0	97.1	96.2
Class 2	21	269	0	0	290	0	0	0	0	0	0	218	117	0	335	45	0	13	0	58	683
% Class 2	1	4.2	0	0	3.4	0	0	0	0	0	0	4.7	4.1	0	4.5	2.6	0	5.2	0	2.9	3.8

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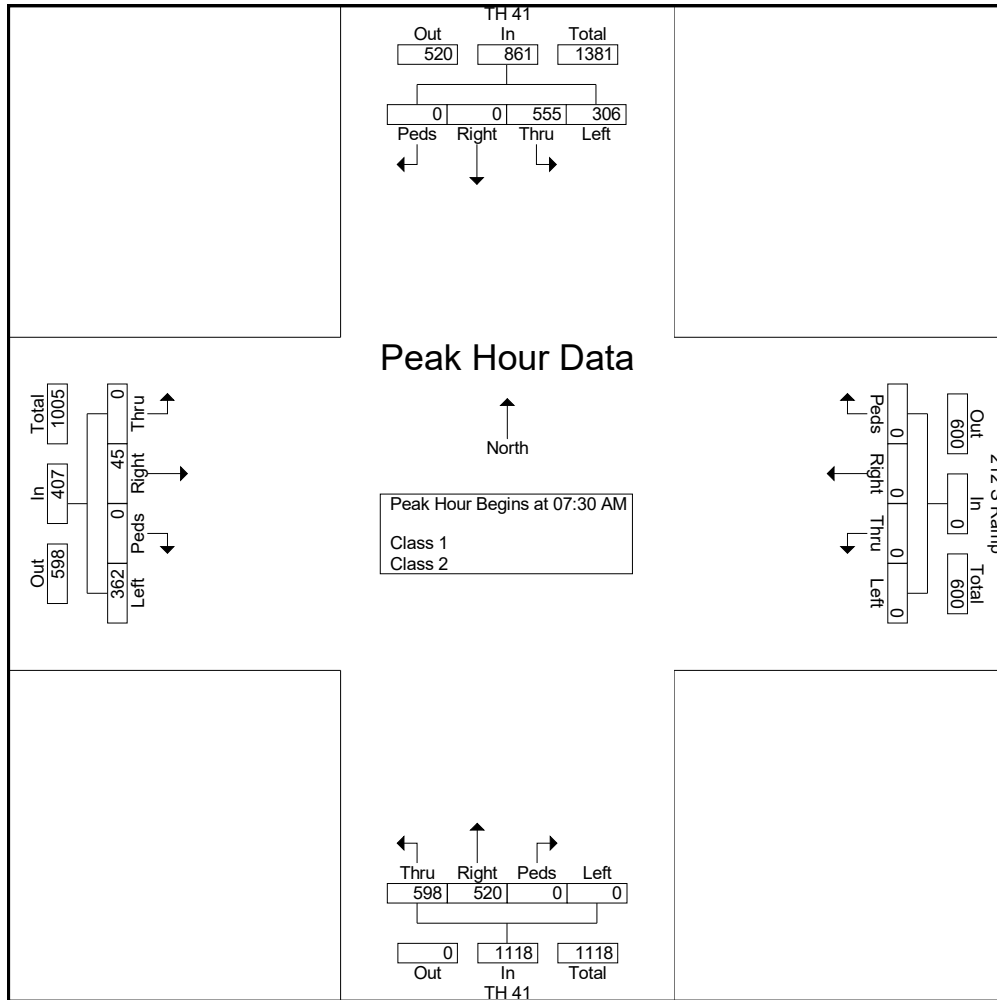
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	78	104	0	0	182	0	0	0	0	0	0	155	133	0	288	114	0	17	0	131	601
07:45 AM	74	138	0	0	212	0	0	0	0	0	0	174	143	0	317	109	0	13	0	122	651
08:00 AM	73	151	0	0	224	0	0	0	0	0	0	129	135	0	264	66	0	4	0	70	558
08:15 AM	81	162	0	0	243	0	0	0	0	0	0	140	109	0	249	73	0	11	0	84	576
Total Volume	306	555	0	0	861	0	0	0	0	0	0	598	520	0	1118	362	0	45	0	407	2386
% App. Total	35.5	64.5	0	0		0	0	0	0		0	53.5	46.5	0		88.9	0	11.1	0		
PHF	.944	.856	.000	.000	.886	.000	.000	.000	.000	.000	.000	.859	.909	.000	.882	.794	.000	.662	.000	.777	.916



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 Page No : 4

Start Time	TH 41 From North					212 S Ramp From East					TH 41 From South					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 04:45 PM																					
04:45 PM	49	268	0	0	317	0	0	0	0	0	0	157	49	0	206	28	0	4	0	32	555
05:00 PM	48	269	0	0	317	0	0	0	0	0	0	158	46	0	204	22	0	5	0	27	548
05:15 PM	33	288	0	0	321	0	0	0	0	0	0	183	52	0	235	28	0	2	0	30	586
05:30 PM	39	210	0	0	249	0	0	0	0	0	0	173	58	0	231	44	1	2	0	47	527
Total Volume	169	1035	0	0	1204	0	0	0	0	0	0	671	205	0	876	122	1	13	0	136	2216
% App. Total	14	86	0	0		0	0	0	0		0	76.6	23.4	0		89.7	0.7	9.6	0		
PHF	.862	.898	.000	.000	.938	.000	.000	.000	.000	.000	.000	.917	.884	.000	.932	.693	.250	.650	.000	.723	.945

