

Alliant Engineering, Inc

733 Marquette Ave, Ste 700
 Minneapolis, MN 55402

--TRAFFIC DATA--

418_TH 41 & 212 N Ramp
 Ref. Pt.: 148.0
 data by: Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 408_TH 41 & 212 N Ramp
 Site Code : 00000408
 Start Date : 9/19/2018
 Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					212 N Ramp From East					TH 41 From South					212 N Ramp 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	0	97	10	0	107	10	2	18	0	30	3	60	0	0	63	0	0	0	0	0	200
06:15 AM	0	126	14	0	140	11	0	24	0	35	3	81	0	0	84	0	0	0	0	0	259
06:30 AM	0	158	9	0	167	13	0	22	0	35	2	124	0	0	126	0	0	0	0	0	328
06:45 AM	0	182	22	0	204	28	0	36	0	64	1	191	0	0	192	0	0	0	0	0	460
Total	0	563	55	0	618	62	2	100	0	164	9	456	0	0	465	0	0	0	0	0	1247
07:00 AM	0	192	13	0	205	39	2	50	0	91	0	165	1	0	166	0	0	0	0	0	462
07:15 AM	0	184	17	0	201	47	0	55	0	102	4	194	0	0	198	0	0	0	0	0	501
07:30 AM	0	152	17	0	169	33	0	59	0	92	1	291	0	0	292	0	0	0	0	0	553
07:45 AM	0	192	21	0	213	46	0	60	0	106	0	266	0	0	266	0	0	0	0	0	585
Total	0	720	68	0	788	165	2	224	0	391	5	916	1	0	922	0	0	0	0	0	2101
08:00 AM	0	200	24	0	224	51	0	45	0	96	2	191	0	0	193	0	0	0	0	0	513
08:15 AM	0	196	15	0	211	48	0	39	0	87	3	205	0	0	208	0	0	0	0	0	506
08:30 AM	0	151	28	0	179	33	0	48	0	81	4	189	0	0	193	0	0	0	0	0	453
08:45 AM	0	155	17	0	172	37	2	55	0	94	6	139	0	0	145	0	0	0	0	0	411
Total	0	702	84	0	786	169	2	187	0	358	15	724	0	0	739	0	0	0	0	0	1883
09:00 AM	0	150	16	0	166	29	0	47	0	76	1	133	0	0	134	0	0	0	0	0	376
09:15 AM	0	159	19	0	178	40	1	50	0	91	3	192	0	0	195	0	0	0	0	0	464
*** BREAK ***																					
Total	0	309	35	0	344	69	1	97	0	167	4	325	0	0	329	0	0	0	0	0	840
*** BREAK ***																					
10:30 AM	0	116	24	0	140	43	0	45	0	88	2	127	0	0	129	0	0	0	0	0	357
10:45 AM	0	109	26	0	135	42	0	42	0	84	3	112	0	0	115	0	0	0	0	0	334
Total	0	225	50	0	275	85	0	87	0	172	5	239	0	0	244	0	0	0	0	0	691
11:00 AM	0	117	24	0	141	30	0	46	0	76	0	118	0	0	118	0	0	0	0	0	335
11:15 AM	0	147	28	0	175	41	2	40	0	83	3	102	0	0	105	0	0	0	0	0	363
11:30 AM	0	152	25	0	177	33	0	50	0	83	0	128	0	0	128	0	0	0	0	0	388
11:45 AM	0	136	34	0	170	40	0	51	0	91	3	124	0	0	127	0	0	0	0	0	388
Total	0	552	111	0	663	144	2	187	0	333	6	472	0	0	478	0	0	0	0	0	1474
12:00 PM	0	160	46	0	206	39	1	75	0	115	1	123	0	0	124	0	0	0	0	0	445
12:15 PM	0	127	28	0	155	47	1	59	0	107	2	144	0	0	146	0	0	0	0	0	408
12:30 PM	0	172	42	0	214	40	2	58	0	100	2	117	0	0	119	0	0	0	0	0	433
12:45 PM	0	137	45	0	182	47	1	57	0	105	4	120	0	0	124	0	0	0	0	0	411
Total	0	596	161	0	757	173	5	249	0	427	9	504	0	0	513	0	0	0	0	0	1697
01:00 PM	0	141	26	0	167	46	1	56	0	103	4	131	0	0	135	0	0	0	0	0	405
01:15 PM	0	137	32	0	169	43	0	60	0	103	1	114	0	0	115	0	0	0	0	0	387
*** BREAK ***																					
Total	0	278	58	0	336	89	1	116	0	206	5	245	0	0	250	0	0	0	0	0	792
*** BREAK ***																					
02:30 PM	0	138	58	0	196	58	0	70	0	128	2	137	0	0	139	0	0	0	0	0	463
02:45 PM	0	154	48	0	202	67	0	78	0	145	3	137	0	0	140	0	0	0	0	0	487
Total	0	292	106	0	398	125	0	148	0	273	5	274	0	0	279	0	0	0	0	0	950
03:00 PM	0	179	62	0	241	67	1	80	0	148	4	152	0	0	156	0	0	0	0	0	545
03:15 PM	0	176	69	0	245	66	0	97	0	163	1	144	0	0	145	0	0	0	0	0	553
03:30 PM	0	210	75	0	285	79	0	102	0	181	4	204	0	0	208	0	0	0	0	0	674
03:45 PM	0	215	84	0	299	87	0	127	0	214	12	194	0	0	206	0	0	0	0	0	719
Total	0	780	290	0	1070	299	1	406	0	706	21	694	0	0	715	0	0	0	0	0	2491

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Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					212 N Ramp From East					TH 41 From South					212 N Ramp 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	0	178	93	0	271	79	0	116	2	197	6	162	0	0	168	0	0	0	0	0	636
04:15 PM	0	174	87	0	261	97	0	148	0	245	5	167	0	0	172	0	0	0	0	0	678
04:30 PM	0	130	64	0	194	76	0	113	1	190	8	190	0	0	198	0	0	0	0	0	582
04:45 PM	0	208	91	0	299	107	0	150	0	257	10	160	0	0	170	0	0	0	0	0	726
Total	0	690	335	0	1025	359	0	527	3	889	29	679	0	0	708	0	0	0	0	0	2622
05:00 PM	0	193	77	0	270	97	0	141	0	238	8	184	0	0	192	0	0	0	0	0	700
05:15 PM	0	191	94	0	285	103	0	132	0	235	8	198	0	0	206	0	0	0	0	0	726
05:30 PM	0	172	78	0	250	94	0	123	0	217	7	205	0	0	212	0	0	0	0	0	679
05:45 PM	0	166	60	0	226	92	0	127	0	219	2	167	0	0	169	0	0	0	0	0	614
Total	0	722	309	0	1031	386	0	523	0	909	25	754	0	0	779	0	0	0	0	0	2719
Grand Total	0	6429	1662	0	8091	2125	16	2851	3	4995	138	6282	1	0	6421	0	0	0	0	0	19507
Apprch %	0	79.5	20.5	0		42.5	0.3	57.1	0.1		2.1	97.8	0	0		0	0	0	0	0	
Total %	0	33	8.5	0	41.5	10.9	0.1	14.6	0	25.6	0.7	32.2	0	0	32.9	0	0	0	0	0	
Class 1	0	6241	1624	0	7865	1989	16	2806	0	4811	116	6040	1	0	6157	0	0	0	0	0	18833
% Class 1	0	97.1	97.7	0	97.2	93.6	100	98.4	0	96.3	84.1	96.1	100	0	95.9	0	0	0	0	0	96.5
Class 2	0	188	38	0	226	136	0	45	3	184	22	242	0	0	264	0	0	0	0	0	674
% Class 2	0	2.9	2.3	0	2.8	6.4	0	1.6	100	3.7	15.9	3.9	0	0	4.1	0	0	0	0	0	3.5

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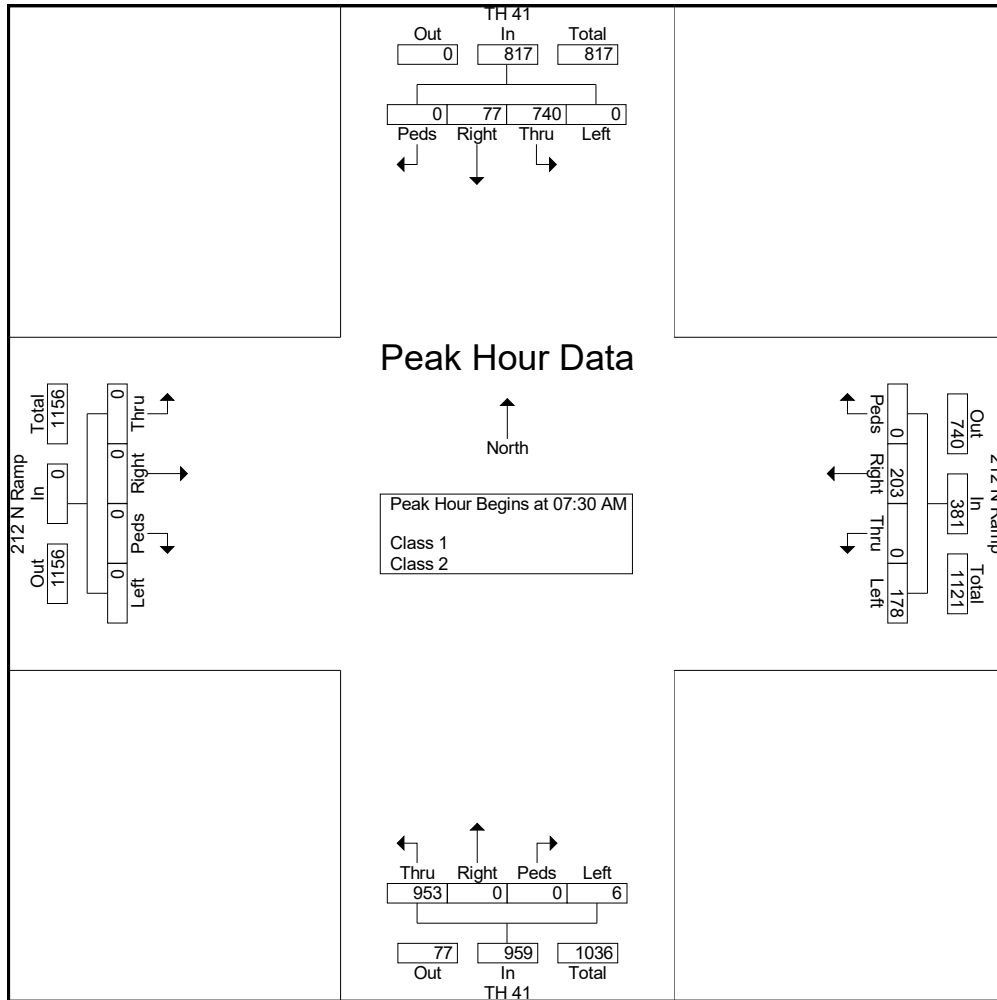
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	152	17	0	169	33	0	59	0	92	1	291	0	0	292	0	0	0	0	0	553
07:45 AM	0	192	21	0	213	46	0	60	0	106	0	266	0	0	266	0	0	0	0	0	585
08:00 AM	0	200	24	0	224	51	0	45	0	96	2	191	0	0	193	0	0	0	0	0	513
08:15 AM	0	196	15	0	211	48	0	39	0	87	3	205	0	0	208	0	0	0	0	0	506
Total Volume	0	740	77	0	817	178	0	203	0	381	6	953	0	0	959	0	0	0	0	0	2157
% App. Total	0	90.6	9.4	0		46.7	0	53.3	0		0.6	99.4	0	0		0	0	0	0		
PHF	.000	.925	.802	.000	.912	.873	.000	.846	.000	.899	.500	.819	.000	.000	.821	.000	.000	.000	.000	.000	.922



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 Page No : 4

Start Time	TH 41 From North					212 N Ramp From East					TH 41 From South					212 N Ramp 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	0	208	91	0	299	107	0	150	0	257	10	160	0	0	170	0	0	0	0	0	726
05:00 PM	0	193	77	0	270	97	0	141	0	238	8	184	0	0	192	0	0	0	0	0	700
05:15 PM	0	191	94	0	285	103	0	132	0	235	8	198	0	0	206	0	0	0	0	0	726
05:30 PM	0	172	78	0	250	94	0	123	0	217	7	205	0	0	212	0	0	0	0	0	679
Total Volume	0	764	340	0	1104	401	0	546	0	947	33	747	0	0	780	0	0	0	0	0	2831
% App. Total	0	69.2	30.8	0		42.3	0	57.7	0		4.2	95.8	0	0		0	0	0	0		
PHF	.000	.918	.904	.000	.923	.937	.000	.910	.000	.921	.825	.911	.000	.000	.920	.000	.000	.000	.000	.000	.975

