

# Alliant Engineering, Inc.

233 Park Ave Suite 300  
 Minneapolis, MN 55415  
 --TRAFFIC DATA--

TH 55 and 10th Avenue  
 Ref.Pt.: 183.025  
 data by : Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 418\_TH 55 & 10th Ave  
 Site Code : 418  
 Start Date : 2/6/2018  
 Page No : 1

## Groups Printed- Class 1 - Class 2

Start Time	10th Ave From North					TH 55 From East					10th Ave From South					TH 55 From West					Int. Total
	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
06:00 AM	0	13	5	6	24	1	6	111	1	119	0	0	2	4	6	0	23	147	8	178	327
06:15 AM	0	18	7	12	37	0	4	124	5	133	0	1	10	8	19	0	32	184	11	227	416
06:30 AM	0	22	4	16	42	0	7	164	2	173	0	1	8	7	16	0	47	354	21	422	653
06:45 AM	0	33	10	13	56	0	9	209	10	228	0	2	3	9	14	0	48	408	13	469	767
Total	0	86	26	47	159	1	26	608	18	653	0	4	23	28	55	0	150	1093	53	1296	2163
07:00 AM	0	29	9	15	53	1	9	223	7	240	0	0	5	6	11	0	56	522	17	595	899
07:15 AM	0	26	19	18	63	0	13	197	3	213	0	0	5	17	22	0	85	563	56	704	1002
07:30 AM	0	34	11	16	61	0	12	319	18	349	0	9	9	10	28	0	69	602	36	707	1145
07:45 AM	0	30	17	15	62	0	4	315	8	327	0	10	12	24	46	0	73	547	57	677	1112
Total	0	119	56	64	239	1	38	1054	36	1129	0	19	31	57	107	0	283	2234	166	2683	4158
08:00 AM	0	21	18	18	57	0	10	303	6	319	0	2	19	12	33	0	58	466	42	566	975
08:15 AM	0	26	14	24	64	1	9	306	13	329	0	8	21	15	44	0	65	448	31	544	981
08:30 AM	0	16	9	19	44	0	4	255	6	265	0	12	10	15	37	0	46	433	25	504	850
08:45 AM	0	12	17	18	47	0	9	217	5	231	0	17	15	17	49	0	50	375	42	467	794
Total	0	75	58	79	212	1	32	1081	30	1144	0	39	65	59	163	0	219	1722	140	2081	3600
09:00 AM	0	15	9	15	39	2	10	224	9	245	0	11	10	10	31	0	49	420	13	482	797
09:15 AM	0	17	16	19	52	0	9	184	8	201	0	15	13	15	43	0	33	372	14	419	715
*** BREAK ***																					
Total	0	32	25	34	91	2	19	408	17	446	0	26	23	25	74	0	82	792	27	901	1512
*** BREAK ***																					
10:30 AM	0	15	7	12	34	0	11	157	3	171	0	6	9	6	21	0	8	186	8	202	428
10:45 AM	0	14	8	12	34	0	6	171	0	177	0	4	8	5	17	0	19	174	13	206	434
Total	0	29	15	24	68	0	17	328	3	348	0	10	17	11	38	0	27	360	21	408	862
11:00 AM	0	22	4	6	32	2	5	168	6	181	0	9	14	15	38	0	14	202	16	232	483
11:15 AM	0	18	7	14	39	0	18	168	4	190	0	9	7	24	40	0	22	271	14	307	576
11:30 AM	0	21	8	13	42	0	14	205	10	229	0	10	13	18	41	0	23	209	16	248	560
11:45 AM	0	17	5	21	43	0	10	206	6	222	0	15	10	25	50	0	22	213	25	260	575
Total	0	78	24	54	156	2	47	747	26	822	0	43	44	82	169	0	81	895	71	1047	2194
12:00 PM	0	21	16	16	53	0	20	185	6	211	0	13	8	22	43	0	17	263	28	308	615
12:15 PM	0	15	9	18	42	1	12	215	6	234	0	15	15	18	48	0	14	234	34	282	606
12:30 PM	0	20	6	14	40	0	9	214	10	233	0	14	6	18	38	0	24	205	19	248	559
12:45 PM	0	25	5	17	47	0	7	227	6	240	0	17	27	19	63	0	29	197	35	261	611
Total	0	81	36	65	182	1	48	841	28	918	0	59	56	77	192	0	84	899	116	1099	2391
01:00 PM	0	14	5	26	45	0	12	195	9	216	0	26	35	6	67	0	34	153	41	228	556
01:15 PM	0	20	8	13	41	0	19	186	5	210	0	20	37	23	80	0	26	150	27	203	534
*** BREAK ***																					
Total	0	34	13	39	86	0	31	381	14	426	0	46	72	29	147	0	60	303	68	431	1090
*** BREAK ***																					
02:30 PM	0	25	5	11	41	0	4	230	13	247	0	0	0	0	0	0	0	0	0	0	288
02:45 PM	0	16	11	15	42	0	5	254	8	267	0	13	24	26	63	0	44	197	16	257	629
Total	0	41	16	26	83	0	9	484	21	514	0	13	24	26	63	0	44	197	16	257	917
03:00 PM	0	25	12	12	49	0	11	306	9	326	0	9	9	33	51	0	23	276	7	306	732
03:15 PM	0	29	5	24	58	0	11	343	10	364	0	9	15	33	57	0	19	293	23	335	814
03:30 PM	0	37	8	27	72	0	15	357	5	377	0	14	21	30	65	1	27	384	39	451	965
03:45 PM	0	37	10	7	54	0	13	390	7	410	0	19	28	44	91	1	23	233	27	284	839
Total	0	128	35	70	233	0	50	1396	31	1477	0	51	73	140	264	2	92	1186	96	1376	3350
04:00 PM	0	37	17	17	71	1	12	410	9	432	0	21	44	75	140	0	38	273	18	329	972
04:15 PM	0	45	5	13	63	0	20	491	7	518	0	23	23	56	102	0	42	313	28	383	1066
04:30 PM	0	39	9	18	66	0	15	477	9	501	0	23	24	97	144	0	38	337	28	403	1114

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04:45 PM	1	26	15	16	58	1	15	468	13	497	0	30	19	92	141	0	43	318	32	393	1089
Total	1	147	46	64	258	2	62	1846	38	1948	0	97	110	320	527	0	161	1241	106	1508	4241
05:00 PM	0	23	18	17	58	1	14	485	8	508	0	22	22	67	111	1	42	354	34	431	1108
05:15 PM	0	27	6	19	52	0	14	533	12	559	0	19	27	85	131	0	60	307	29	396	1138
05:30 PM	0	23	16	26	65	0	15	410	10	435	0	35	34	108	177	0	40	338	50	428	1105
05:45 PM	0	33	12	23	68	0	17	388	4	409	0	32	29	84	145	0	42	407	45	494	1116
Total	0	106	52	85	243	1	60	1816	34	1911	0	108	112	344	564	1	184	1406	158	1749	4467
Grand Total	1	956	402	651	2010	11	439	10990	296	11736	0	515	650	1198	2363	3	1467	12328	1038	14836	30945
Apprch %	0	47.6	20	32.4		0.1	3.7	93.6	2.5		0	21.8	27.5	50.7		0	9.9	83.1	7		
Total %	0	3.1	1.3	2.1	6.5	0	1.4	35.5	1	37.9	0	1.7	2.1	3.9	7.6	0	4.7	39.8	3.4	47.9	
Class 1	1	904	383	614	1902	11	420	10577	286	11294	0	456	566	1119	2141	3	1380	11994	938	14315	29652
% Class 1	100	94.6	95.3	94.3	94.6	100	95.7	96.2	96.6	96.2	0	88.5	87.1	93.4	90.6	100	94.1	97.3	90.4	96.5	95.8
Class 2	0	52	19	37	108	0	19	413	10	442	0	59	84	79	222	0	87	334	100	521	1293
% Class 2	0	5.4	4.7	5.7	5.4	0	4.3	3.8	3.4	3.8	0	11.5	12.9	6.6	9.4	0	5.9	2.7	9.6	3.5	4.2

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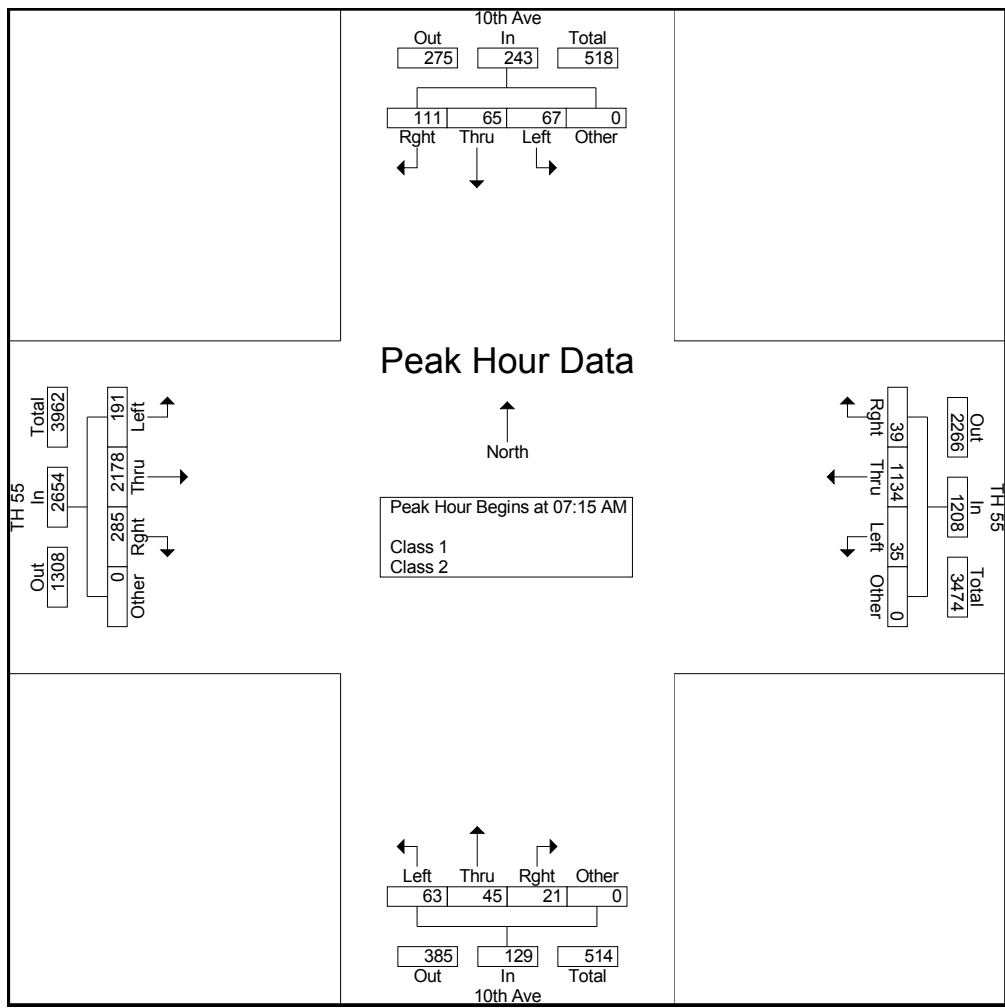
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	26	19	18	63	0	13	197	3	213	0	0	5	17	22	0	85	563	56	704	1002
07:30 AM	0	34	11	16	61	0	12	319	18	349	0	9	9	10	28	0	69	602	36	707	1145
07:45 AM	0	30	17	15	62	0	4	315	8	327	0	10	12	24	46	0	73	547	57	677	1112
08:00 AM	0	21	18	18	57	0	10	303	6	319	0	2	19	12	33	0	58	466	42	566	975
Total Volume	0	111	65	67	243	0	39	1134	35	1208	0	21	45	63	129	0	285	2178	191	2654	4234
% App. Total	0	45.7	26.7	27.6		0	3.2	93.9	2.9		0	16.3	34.9	48.8		0	10.7	82.1	7.2		
PHF	.000	.816	.855	.931	.964	.000	.750	.889	.486	.865	.000	.525	.592	.656	.701	.000	.838	.904	.838	.938	.924



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	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	23	18	17	58	1	14	485	8	508	0	22	22	67	111	1	42	354	34	431	1108
05:15 PM	0	27	6	19	52	0	14	533	12	559	0	19	27	85	131	0	60	307	29	396	1138
05:30 PM	0	23	16	26	65	0	15	410	10	435	0	35	34	108	177	0	40	338	50	428	1105
05:45 PM	0	33	12	23	68	0	17	388	4	409	0	32	29	84	145	0	42	407	45	494	1116
Total Volume	0	106	52	85	243	1	60	1816	34	1911	0	108	112	344	564	1	184	1406	158	1749	4467
% App. Total	0	43.6	21.4	35		0.1	3.1	95	1.8		0	19.1	19.9	61		0.1	10.5	80.4	9		
PHF	.000	.803	.722	.817	.893	.250	.882	.852	.708	.855	.000	.771	.824	.796	.797	.250	.767	.864	.790	.885	.981

