

Alliant Engineering, Inc.

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

TH 55 and Willow Drive
 Ref.Pt: 173.000
 data by: Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 402_TH 55 & Willow Dr
 Site Code : 402_____
 Start Date : 1/17/2018
 Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	Willow Dr From North					TH 55 From East					Willow Dr 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	0	0	3	3	0	2	29	2	33	0	1	0	0	1	0	4	258	4	266	303
06:15 AM	0	0	0	3	3	0	8	34	4	46	0	0	0	0	0	0	1	273	5	279	328
06:30 AM	0	0	1	7	8	0	13	47	6	66	0	0	0	0	0	0	9	316	7	332	406
06:45 AM	0	0	0	6	6	0	9	35	12	56	0	0	0	1	1	0	11	286	5	302	365
Total	0	0	1	19	20	0	32	145	24	201	0	1	0	1	2	0	25	1133	21	1179	1402
07:00 AM	0	6	1	10	17	0	3	59	7	69	0	2	1	0	3	0	2	311	4	317	406
07:15 AM	0	6	4	13	23	0	4	53	8	65	0	0	1	1	2	0	5	314	10	329	419
07:30 AM	0	1	5	10	16	0	3	48	7	58	0	0	5	0	5	0	6	290	14	310	389
07:45 AM	0	3	2	12	17	0	7	46	11	64	0	1	0	0	1	0	6	308	11	325	407
Total	0	16	12	45	73	0	17	206	33	256	0	3	7	1	11	0	19	1223	39	1281	1621
08:00 AM	0	1	3	3	7	0	9	44	9	62	0	1	2	0	3	0	4	283	12	299	371
08:15 AM	0	0	0	5	5	0	3	43	11	57	0	2	1	0	3	0	8	265	16	289	354
08:30 AM	0	1	2	5	8	0	3	52	7	62	0	0	0	0	0	0	3	202	9	214	284
08:45 AM	0	1	1	3	5	0	2	36	11	49	0	1	1	0	2	0	6	208	7	221	277
Total	0	3	6	16	25	0	17	175	38	230	0	4	4	0	8	0	21	958	44	1023	1286
09:00 AM	0	0	0	5	5	0	2	41	9	52	0	4	2	2	8	0	2	147	2	151	216
09:15 AM	0	2	1	7	10	0	3	56	4	63	0	5	2	0	7	0	2	121	3	126	206
*** BREAK ***																					
Total	0	2	1	12	15	0	5	97	13	115	0	9	4	2	15	0	4	268	5	277	422
*** BREAK ***																					
10:30 AM	0	1	1	4	6	0	3	48	6	57	0	1	1	1	3	0	3	89	1	93	159
10:45 AM	0	2	1	3	6	0	6	53	0	59	0	4	3	1	8	0	0	88	0	88	161
Total	0	3	2	7	12	0	9	101	6	116	0	5	4	2	11	0	3	177	1	181	320
11:00 AM	0	4	0	7	11	0	2	65	3	70	0	9	1	1	11	0	1	80	1	82	174
11:15 AM	0	6	0	15	21	0	3	59	12	74	0	3	0	0	3	0	1	84	3	88	186
11:30 AM	0	1	1	11	13	0	2	74	5	81	0	7	2	0	9	0	1	78	0	79	182
11:45 AM	0	3	0	7	10	0	1	70	2	73	0	6	2	1	9	0	2	70	2	74	166
Total	0	14	1	40	55	0	8	268	22	298	0	25	5	2	32	0	5	312	6	323	708
12:00 PM	0	4	1	11	16	0	3	87	1	91	0	5	1	2	8	0	0	71	2	73	188
12:15 PM	0	2	0	11	13	0	2	77	10	89	0	10	0	0	10	0	2	82	1	85	197
12:30 PM	0	2	0	14	16	0	1	74	5	80	0	8	1	0	9	0	3	78	1	82	187
12:45 PM	0	1	1	10	12	0	8	100	17	125	0	7	1	0	8	0	2	75	5	82	227
Total	0	9	2	46	57	0	14	338	33	385	0	30	3	2	35	0	7	306	9	322	799
01:00 PM	0	2	0	9	11	0	5	79	5	89	0	2	1	2	5	0	1	73	2	76	181
01:15 PM	0	0	1	2	3	0	4	83	5	92	0	6	0	1	7	0	1	76	4	81	183
*** BREAK ***																					
Total	0	2	1	11	14	0	9	162	10	181	0	8	1	3	12	0	2	149	6	157	364
*** BREAK ***																					
02:30 PM	0	4	1	9	14	0	8	145	2	155	0	22	0	8	30	0	2	74	3	79	278
02:45 PM	0	0	1	7	8	0	7	174	4	185	0	8	1	3	12	0	2	70	5	77	282
Total	0	4	2	16	22	0	15	319	6	340	0	30	1	11	42	0	4	144	8	156	560
03:00 PM	0	16	2	19	37	0	6	205	2	213	0	6	1	4	11	0	1	81	3	85	346
03:15 PM	0	7	0	14	21	0	3	182	4	189	0	11	2	3	16	0	0	76	0	76	302
03:30 PM	0	0	0	12	12	0	9	255	4	268	0	11	0	13	24	0	1	92	0	93	397
03:45 PM	0	4	0	8	12	0	3	265	1	269	0	5	1	1	7	0	1	82	1	84	372
Total	0	27	2	53	82	0	21	907	11	939	0	33	4	21	58	0	3	331	4	338	1417
04:00 PM	0	7	3	19	29	0	1	264	3	268	0	20	0	5	25	0	1	90	3	94	416
04:15 PM	0	4	4	19	27	0	4	314	4	322	0	7	0	3	10	0	1	61	2	64	423
04:30 PM	0	9	1	35	45	0	7	279	2	288	0	13	1	5	19	0	0	82	3	85	437

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Start Time	Willow Dr From North					TH 55 From East					Willow Dr From South					TH 55 From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
04:45 PM	0	6	1	33	40	0	4	313	2	319	0	8	1	4	13	0	0	77	0	77	449
Total	0	26	9	106	141	0	16	1170	11	1197	0	48	2	17	67	0	2	310	8	320	1725
05:00 PM	0	15	7	38	60	0	2	295	3	300	0	20	0	7	27	0	0	86	1	87	474
05:15 PM	0	14	4	15	33	0	2	285	2	289	0	7	0	5	12	0	1	89	3	93	427
05:30 PM	0	6	4	30	40	0	3	252	0	255	0	11	1	5	17	0	1	61	0	62	374
05:45 PM	0	5	1	18	24	0	4	236	4	244	0	8	0	2	10	0	1	72	0	73	351
Total	0	40	16	101	157	0	11	1068	9	1088	0	46	1	19	66	0	3	308	4	315	1626
Grand Total	0	146	55	472	673	0	174	4956	216	5346	0	242	36	81	359	0	98	5619	155	5872	12250
Apprch %	0	21.7	8.2	70.1		0	3.3	92.7	4		0	67.4	10	22.6		0	1.7	95.7	2.6		
Total %	0	1.2	0.4	3.9	5.5	0	1.4	40.5	1.8	43.6	0	2	0.3	0.7	2.9	0	0.8	45.9	1.3	47.9	
Class 1	0	143	55	445	643	0	152	4827	201	5180	0	228	31	76	335	0	95	5471	148	5714	11872
% Class 1	0	97.9	100	94.3	95.5	0	87.4	97.4	93.1	96.9	0	94.2	86.1	93.8	93.3	0	96.9	97.4	95.5	97.3	96.9
Class 2	0	3	0	27	30	0	22	129	15	166	0	14	5	5	24	0	3	148	7	158	378
% Class 2	0	2.1	0	5.7	4.5	0	12.6	2.6	6.9	3.1	0	5.8	13.9	6.2	6.7	0	3.1	2.6	4.5	2.7	3.1

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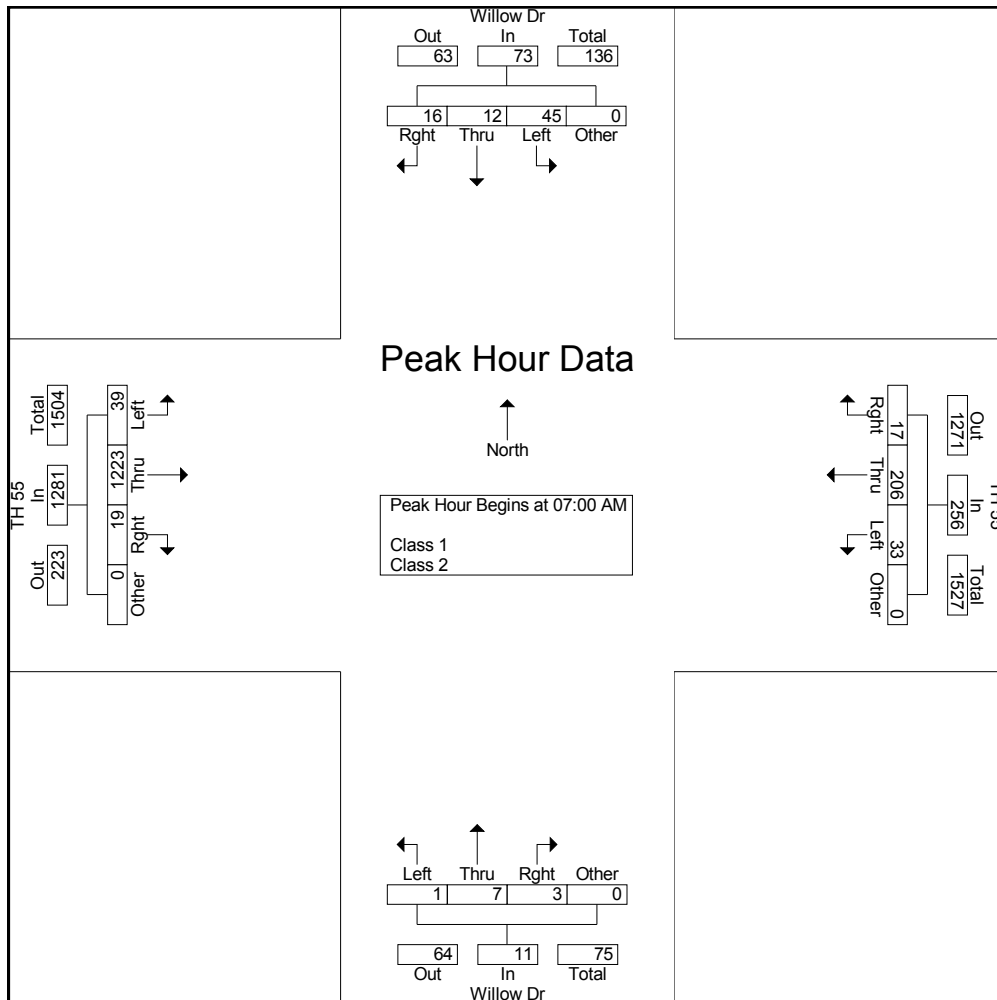
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	6	1	10	17	0	3	59	7	69	0	2	1	0	3	0	2	311	4	317	406
07:15 AM	0	6	4	13	23	0	4	53	8	65	0	0	1	1	2	0	5	314	10	329	419
07:30 AM	0	1	5	10	16	0	3	48	7	58	0	0	5	0	5	0	6	290	14	310	389
07:45 AM	0	3	2	12	17	0	7	46	11	64	0	1	0	0	1	0	6	308	11	325	407
Total Volume	0	16	12	45	73	0	17	206	33	256	0	3	7	1	11	0	19	1223	39	1281	1621
% App. Total	0	21.9	16.4	61.6		0	6.6	80.5	12.9		0	27.3	63.6	9.1		0	1.5	95.5	3		
PHF	.000	.667	.600	.865	.793	.000	.607	.873	.750	.928	.000	.375	.350	.250	.550	.000	.792	.974	.696	.973	.967



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	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	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 04:30 PM																					
04:30 PM	0	9	1	35	45	0	7	279	2	288	0	13	1	5	19	0	0	82	3	85	437
04:45 PM	0	6	1	33	40	0	4	313	2	319	0	8	1	4	13	0	0	77	0	77	449
05:00 PM	0	15	7	38	60	0	2	295	3	300	0	20	0	7	27	0	0	86	1	87	474
05:15 PM	0	14	4	15	33	0	2	285	2	289	0	7	0	5	12	0	1	89	3	93	427
Total Volume	0	44	13	121	178	0	15	1172	9	1196	0	48	2	21	71	0	1	334	7	342	1787
% App. Total	0	24.7	7.3	68		0	1.3	98	0.8		0	67.6	2.8	29.6		0	0.3	97.7	2		
PHF	.000	.733	.464	.796	.742	.000	.536	.936	.750	.937	.000	.600	.500	.750	.657	.000	.250	.938	.583	.919	.943

