

# Alliant Engineering, Inc.

233 Park Ave Suite 300

Minneapolis, MN 55415

--TRAFFIC DATA--

TH 55 and Douglas Avenue

Ref.Pt.: 186.09

data by : Alliant Inc.

TURN MOVEMENT COUNT

File Name : 424\_TH 55 & Douglas Ave

Site Code : 424

Start Date : 2/15/2018

Page No : 1

## Groups Printed- Class 1 - Class 2

Start Time	Douglas Ave From North					TH 55 From East					Douglas 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	0	11	24	0	12	112	1	125	0	2	0	1	3	0	0	96	18	114	266
06:15 AM	0	5	1	27	33	0	25	147	1	173	0	3	0	1	4	0	1	157	19	177	387
06:30 AM	0	7	7	23	37	0	34	204	2	240	0	2	0	1	3	0	1	179	21	201	481
06:45 AM	0	16	3	23	42	0	32	229	3	264	0	4	2	4	10	0	4	262	41	307	623
Total	0	41	11	84	136	0	103	692	7	802	0	11	2	7	20	0	6	694	99	799	1757
07:00 AM	0	10	3	26	39	0	38	237	4	279	0	7	7	3	17	0	2	312	25	339	674
07:15 AM	0	20	11	32	63	0	20	261	2	283	0	8	4	4	16	0	5	422	25	452	814
07:30 AM	0	22	13	50	85	0	21	272	5	298	0	7	0	5	12	0	7	481	45	533	928
07:45 AM	0	20	18	55	93	0	35	385	7	427	0	11	5	4	20	0	8	510	63	581	1121
Total	0	72	45	163	280	0	114	1155	18	1287	0	33	16	16	65	0	22	1725	158	1905	3537
08:00 AM	0	33	5	38	76	0	44	297	4	345	0	17	6	6	29	0	6	501	51	558	1008
08:15 AM	0	30	8	35	73	0	49	290	4	343	0	7	1	3	11	0	1	475	54	530	957
08:30 AM	0	14	10	53	77	0	36	295	1	332	0	17	5	2	24	0	4	379	47	430	863
08:45 AM	0	25	3	30	58	0	41	291	2	334	0	5	6	3	14	0	4	369	44	417	823
Total	0	102	26	156	284	0	170	1173	11	1354	0	46	18	14	78	0	15	1724	196	1935	3651
09:00 AM	0	13	8	31	52	0	33	187	3	223	0	4	1	6	11	0	9	243	26	278	564
09:15 AM	0	19	13	27	59	0	19	208	3	230	0	3	11	7	21	0	14	176	32	222	532
*** BREAK ***																					
Total	0	32	21	58	111	0	52	395	6	453	0	7	12	13	32	0	23	419	58	500	1096
*** BREAK ***																					
10:30 AM	0	17	1	29	47	0	21	149	4	174	0	2	3	4	9	0	0	138	23	161	391
10:45 AM	0	15	8	24	47	0	20	207	3	230	0	2	8	4	14	0	3	185	19	207	498
Total	0	32	9	53	94	0	41	356	7	404	0	4	11	8	23	0	3	323	42	368	889
11:00 AM	0	26	7	21	54	0	17	178	4	199	0	0	2	3	5	0	4	185	19	208	466
11:15 AM	0	28	10	28	66	0	21	196	1	218	0	5	3	0	8	0	3	200	23	226	518
11:30 AM	0	25	6	41	72	0	14	188	1	203	0	6	5	4	15	0	0	165	30	195	485
11:45 AM	0	34	11	35	80	0	20	187	3	210	0	1	3	2	6	0	2	195	29	226	522
Total	0	113	34	125	272	0	72	749	9	830	0	12	13	9	34	0	9	745	101	855	1991
12:00 PM	0	23	2	22	47	0	22	230	1	253	0	5	6	9	20	0	2	212	25	239	559
12:15 PM	0	24	6	25	55	0	19	210	1	230	0	3	8	12	23	0	4	208	31	243	551
12:30 PM	0	26	3	24	53	0	23	197	4	224	0	2	4	4	10	2	5	218	21	246	533
12:45 PM	0	32	3	28	63	0	19	205	3	227	0	2	9	2	13	0	4	264	44	312	615
Total	0	105	14	99	218	0	83	842	9	934	0	12	27	27	66	2	15	902	121	1040	2258
01:00 PM	0	10	7	26	43	0	29	192	2	223	0	3	4	3	10	0	3	250	30	283	559
01:15 PM	0	18	1	29	48	0	32	182	1	215	0	0	2	2	4	0	5	181	31	217	484
*** BREAK ***																					
Total	0	28	8	55	91	0	61	374	3	438	0	3	6	5	14	0	8	431	61	500	1043
*** BREAK ***																					
02:30 PM	0	33	8	25	66	0	22	232	2	256	0	4	4	2	10	0	2	234	10	246	578
02:45 PM	0	30	1	15	46	0	21	231	2	254	0	2	4	1	7	0	2	285	35	322	629
Total	0	63	9	40	112	0	43	463	4	510	0	6	8	3	17	0	4	519	45	568	1207
03:00 PM	0	46	2	32	80	0	22	263	6	291	0	3	6	3	12	0	6	285	29	320	703
03:15 PM	0	51	5	31	87	0	31	240	3	274	0	6	8	4	18	0	2	317	26	345	724
03:30 PM	0	31	10	19	60	0	27	303	3	333	0	3	9	5	17	0	8	341	11	360	770
03:45 PM	0	32	9	42	83	0	26	316	3	345	0	6	3	5	14	0	7	405	26	438	880
Total	0	160	26	124	310	0	106	1122	15	1243	0	18	26	17	61	0	23	1348	92	1463	3077
04:00 PM	0	36	8	40	84	0	30	314	5	349	0	4	23	19	46	1	8	384	26	419	898
04:15 PM	0	29	1	18	48	0	21	401	1	423	0	11	23	11	45	0	6	444	25	475	991
04:30 PM	0	52	10	48	110	0	20	343	4	367	0	7	6	12	25	0	3	441	13	457	959

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TURN MOVEMENT COUNT

File Name : 424\_TH 55 & Douglas Ave

Site Code : 424\_\_\_\_\_

Start Date : 2/15/2018

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Start Time	Douglas Ave From North					TH 55 From East					Douglas Ave 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	38	3	39	80	0	24	415	5	444	0	3	8	11	22	0	9	622	27	658	1204
Total	0	155	22	145	322	0	95	1473	15	1583	0	25	60	53	138	1	26	1891	91	2009	4052
05:00 PM	0	45	7	34	86	0	52	396	1	449	0	9	11	5	25	0	3	510	24	537	1097
05:15 PM	0	41	9	35	85	0	30	381	7	418	0	2	22	5	29	0	4	565	36	605	1137
05:30 PM	0	23	3	45	71	2	34	346	8	390	0	8	15	3	26	1	6	478	29	514	1001
05:45 PM	0	27	5	26	58	0	28	322	5	355	0	2	10	8	20	0	5	425	15	445	878
Total	0	136	24	140	300	2	144	1445	21	1612	0	21	58	21	100	1	18	1978	104	2101	4113
Grand Total	0	1039	249	1242	2530	2	1084	10239	125	11450	0	198	257	193	648	4	172	12699	1168	14043	28671
Apprch %	0	41.1	9.8	49.1		0	9.5	89.4	1.1		0	30.6	39.7	29.8		0	1.2	90.4	8.3		
Total %	0	3.6	0.9	4.3	8.8	0	3.8	35.7	0.4	39.9	0	0.7	0.9	0.7	2.3	0	0.6	44.3	4.1	49	
Class 1	0	981	242	1163	2386	1	993	9980	118	11092	0	190	251	188	629	3	167	12409	1126	13705	27812
% Class 1	0	94.4	97.2	93.6	94.3	50	91.6	97.5	94.4	96.9	0	96	97.7	97.4	97.1	75	97.1	97.7	96.4	97.6	97
Class 2	0	58	7	79	144	1	91	259	7	358	0	8	6	5	19	1	5	290	42	338	859
% Class 2	0	5.6	2.8	6.4	5.7	50	8.4	2.5	5.6	3.1	0	4	2.3	2.6	2.9	25	2.9	2.3	3.6	2.4	3

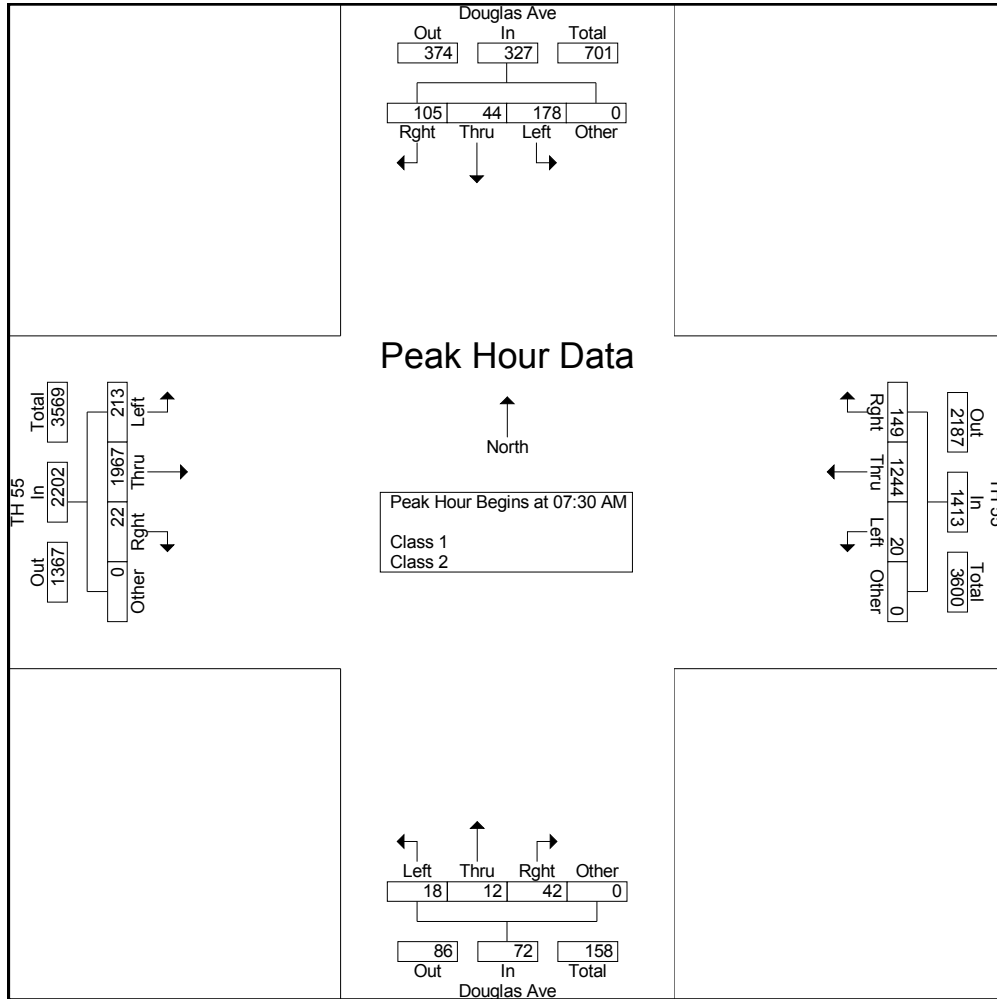
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File Name : 424\_TH 55 & Douglas Ave  
 Site Code : 424\_\_\_\_\_  
 Start Date : 2/15/2018  
 Page No : 3

Start Time	Douglas Ave From North					TH 55 From East					Douglas 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	
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	22	13	50	85	0	21	272	5	298	0	7	0	5	12	0	7	481	45	533	928
07:45 AM	0	20	18	55	93	0	35	385	7	427	0	11	5	4	20	0	8	510	63	581	1121
08:00 AM	0	33	5	38	76	0	44	297	4	345	0	17	6	6	29	0	6	501	51	558	1008
08:15 AM	0	30	8	35	73	0	49	290	4	343	0	7	1	3	11	0	1	475	54	530	957
Total Volume	0	105	44	178	327	0	149	1244	20	1413	0	42	12	18	72	0	22	1967	213	2202	4014
% App. Total	0	32.1	13.5	54.4		0	10.5	88	1.4		0	58.3	16.7	25		0	1	89.3	9.7		
PHF	.000	.795	.611	.809	.879	.000	.760	.808	.714	.827	.000	.618	.500	.750	.621	.000	.688	.964	.845	.948	.895



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File Name : 424\_TH 55 & Douglas Ave

Site Code : 424\_\_\_\_\_

Start Date : 2/15/2018

Page No : 4

Start Time	Douglas Ave From North					TH 55 From East					Douglas Ave From South					TH 55 From West					Int. Total
	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 04:45 PM																					
04:45 PM	0	38	3	39	80	0	24	415	5	444	0	3	8	11	22	0	9	622	27	658	1204
05:00 PM	0	45	7	34	86	0	52	396	1	449	0	9	11	5	25	0	3	510	24	537	1097
05:15 PM	0	41	9	35	85	0	30	381	7	418	0	2	22	5	29	0	4	565	36	605	1137
05:30 PM	0	23	3	45	71	2	34	346	8	390	0	8	15	3	26	1	6	478	29	514	1001
Total Volume	0	147	22	153	322	2	140	1538	21	1701	0	22	56	24	102	1	22	2175	116	2314	4439
% App. Total	0	45.7	6.8	47.5		0.1	8.2	90.4	1.2		0	21.6	54.9	23.5		0	1	94	5		
PHF	.000	.817	.611	.850	.936	.250	.673	.927	.656	.947	.000	.611	.636	.545	.879	.250	.611	.874	.806	.879	.922

