

# Alliant Engineering, Inc.

233 Park Ave Suite 300

Minneapolis, MN 55415

--TRAFFIC DATA--

Boone Avenue and 7th Avenue

Ref.Pt.: --

data by : Alliant Inc.

TURN MOVEMENT COUNT

File Name : 561\_Boone Ave & 7th Ave

Site Code : 561

Start Date : 2/21/2018

Page No : 1

## Groups Printed- Class 1 - Class 2

Start Time	Boone Ave From North					7th Ave From East					Boone Ave From South					7th Ave 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	1	12	6	19	0	3	7	14	24	2	3	9	9	23	0	14	8	2	24	90
06:15 AM	0	1	10	8	19	0	5	8	13	26	0	4	14	3	21	0	11	5	0	16	82
06:30 AM	0	2	17	3	22	0	10	3	27	40	0	3	19	2	24	0	11	5	1	17	103
06:45 AM	0	1	20	8	29	0	5	6	22	33	3	11	22	4	40	2	14	11	1	28	130
Total	0	5	59	25	89	0	23	24	76	123	5	21	64	18	108	2	50	29	4	85	405
07:00 AM	0	2	30	5	37	0	8	4	28	40	2	6	20	2	30	0	15	7	0	22	129
07:15 AM	0	1	40	9	50	0	9	5	33	47	0	12	32	11	55	0	19	6	0	25	177
07:30 AM	0	3	44	10	57	0	7	4	37	48	0	17	28	6	51	0	11	8	0	19	175
07:45 AM	1	0	48	11	60	0	11	8	26	45	0	17	37	11	65	2	15	5	1	23	193
Total	1	6	162	35	204	0	35	21	124	180	2	52	117	30	201	2	60	26	1	89	674
08:00 AM	0	0	40	7	47	1	10	5	35	51	0	17	52	12	81	0	16	9	1	26	205
08:15 AM	1	0	77	11	89	0	8	9	30	47	3	30	37	4	74	0	26	5	0	31	241
08:30 AM	0	4	70	17	91	0	14	9	40	63	0	30	48	13	91	0	13	11	0	24	269
08:45 AM	1	2	59	7	69	2	8	11	34	55	0	23	46	21	90	0	17	9	1	27	241
Total	2	6	246	42	296	3	40	34	139	216	3	100	183	50	336	0	72	34	2	108	956
09:00 AM	0	1	34	12	47	0	8	7	37	52	1	11	30	10	52	2	11	8	0	21	172
09:15 AM	0	2	34	16	52	0	4	11	29	44	0	11	28	18	57	2	7	9	0	18	171
*** BREAK ***																					
Total	0	3	68	28	99	0	12	18	66	96	1	22	58	28	109	4	18	17	0	39	343
*** BREAK ***																					
10:30 AM	0	1	31	5	37	2	7	7	29	45	2	7	32	20	61	0	14	10	0	24	167
10:45 AM	0	4	25	6	35	1	3	7	17	28	2	8	23	14	47	0	18	14	1	33	143
Total	0	5	56	11	72	3	10	14	46	73	4	15	55	34	108	0	32	24	1	57	310
11:00 AM	0	4	22	8	34	0	9	12	29	50	5	22	26	9	62	0	19	11	3	33	179
11:15 AM	0	3	27	15	45	0	9	15	32	56	9	10	19	8	46	0	17	16	2	35	182
11:30 AM	0	4	32	8	44	0	7	10	39	56	1	18	21	20	60	0	9	19	14	42	202
11:45 AM	0	5	26	11	42	0	10	19	35	64	1	7	23	42	73	1	16	22	4	43	222
Total	0	16	107	42	165	0	35	56	135	226	16	57	89	79	241	1	61	68	23	153	785
12:00 PM	0	5	43	14	62	0	16	20	40	76	2	16	25	24	67	0	34	25	0	59	264
12:15 PM	0	8	37	10	55	1	14	24	40	79	0	15	28	44	87	1	31	19	1	52	273
12:30 PM	2	7	23	16	48	0	9	13	37	59	3	19	28	23	73	0	18	29	1	48	228
12:45 PM	0	7	30	11	48	0	7	29	35	71	0	21	29	32	82	0	21	18	4	43	244
Total	2	27	133	51	213	1	46	86	152	285	5	71	110	123	309	1	104	91	6	202	1009
01:00 PM	0	7	38	7	52	0	13	19	31	63	0	10	26	22	58	0	26	20	5	51	224
01:15 PM	0	4	29	6	39	0	8	9	37	54	5	25	32	16	78	0	28	16	0	44	215
*** BREAK ***																					
Total	0	11	67	13	91	0	21	28	68	117	5	35	58	38	136	0	54	36	5	95	439
*** BREAK ***																					
02:30 PM	0	1	35	13	49	0	6	11	23	40	0	14	23	23	60	0	27	9	4	40	189
02:45 PM	0	6	29	14	49	0	8	5	44	57	0	21	20	19	60	0	20	11	2	33	199
Total	0	7	64	27	98	0	14	16	67	97	0	35	43	42	120	0	47	20	6	73	388
03:00 PM	0	1	45	5	51	0	8	11	38	57	1	8	27	15	51	0	15	16	2	33	192
03:15 PM	0	6	37	9	52	0	9	8	44	61	0	6	17	24	47	0	10	13	4	27	187
03:30 PM	1	5	42	15	63	0	4	7	43	54	7	25	28	18	78	1	20	11	5	37	232
03:45 PM	0	2	36	10	48	0	9	12	39	60	6	31	29	23	89	0	39	17	2	58	255
Total	1	14	160	39	214	0	30	38	164	232	14	70	101	80	265	1	84	57	13	155	866
04:00 PM	0	3	50	15	68	0	17	19	39	75	0	19	53	39	111	0	26	18	0	44	298
04:15 PM	1	5	37	12	55	0	18	11	50	79	0	13	50	36	99	0	29	29	3	61	294
04:30 PM	0	5	62	15	82	0	13	10	48	71	0	32	58	27	117	1	30	22	1	54	324

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Start Time	Boone Ave From North					7th Ave From East					Boone Ave From South					7th Ave 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	1	6	39	10	56	0	14	17	37	68	4	20	47	33	104	0	34	27	6	67	295
Total	2	19	188	52	261	0	62	57	174	293	4	84	208	135	431	1	119	96	10	226	1211
05:00 PM	0	8	57	17	82	0	11	13	38	62	0	20	33	20	73	0	36	20	3	59	276
05:15 PM	0	4	55	6	65	0	10	11	42	63	0	26	40	29	95	0	28	15	1	44	267
05:30 PM	0	3	31	7	41	0	7	12	52	71	2	11	35	36	84	1	21	13	3	38	234
05:45 PM	0	5	35	9	49	0	12	13	37	62	1	9	25	34	69	0	28	14	2	44	224
Total	0	20	178	39	237	0	40	49	169	258	3	66	133	119	321	1	113	62	9	185	1001
Grand Total	8	139	1488	404	2039	7	368	441	1380	2196	62	628	1219	776	2685	13	814	560	80	1467	8387
Apprch %	0.4	6.8	73	19.8		0.3	16.8	20.1	62.8		2.3	23.4	45.4	28.9		0.9	55.5	38.2	5.5		
Total %	0.1	1.7	17.7	4.8	24.3	0.1	4.4	5.3	16.5	26.2	0.7	7.5	14.5	9.3	32	0.2	9.7	6.7	1	17.5	
Class 1	8	135	1439	394	1976	7	356	432	1350	2145	58	605	1163	743	2569	8	777	553	77	1415	8105
% Class 1	100	97.1	96.7	97.5	96.9	100	96.7	98	97.8	97.7	93.5	96.3	95.4	95.7	95.7	61.5	95.5	98.8	96.2	96.5	96.6
Class 2	0	4	49	10	63	0	12	9	30	51	4	23	56	33	116	5	37	7	3	52	282
% Class 2	0	2.9	3.3	2.5	3.1	0	3.3	2	2.2	2.3	6.5	3.7	4.6	4.3	4.3	38.5	4.5	1.2	3.8	3.5	3.4

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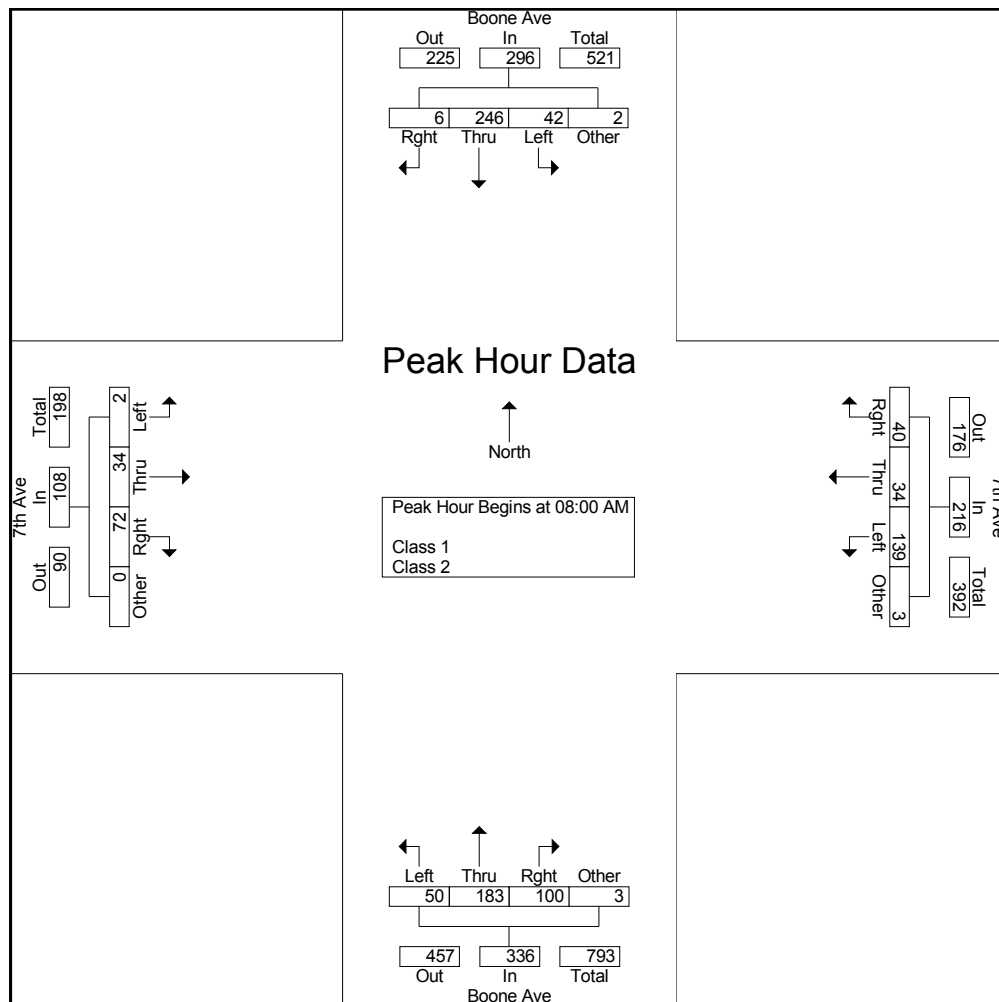
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	40	7	47	1	10	5	35	51	0	17	52	12	81	0	16	9	1	26	205
08:15 AM	1	0	77	11	89	0	8	9	30	47	3	30	37	4	74	0	26	5	0	31	241
08:30 AM	0	4	70	17	91	0	14	9	40	63	0	30	48	13	91	0	13	11	0	24	269
08:45 AM	1	2	59	7	69	2	8	11	34	55	0	23	46	21	90	0	17	9	1	27	241
Total Volume	2	6	246	42	296	3	40	34	139	216	3	100	183	50	336	0	72	34	2	108	956
% App. Total	0.7	2	83.1	14.2		1.4	18.5	15.7	64.4		0.9	29.8	54.5	14.9		0	66.7	31.5	1.9		
PHF	.500	.375	.799	.618	.813	.375	.714	.773	.869	.857	.250	.833	.880	.595	.923	.000	.692	.773	.500	.871	.888



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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 04:00 PM																					
04:00 PM	0	3	50	15	68	0	17	19	39	75	0	19	53	39	111	0	26	18	0	44	298
04:15 PM	1	5	37	12	55	0	18	11	50	79	0	13	50	36	99	0	29	29	3	61	294
04:30 PM	0	5	62	15	82	0	13	10	48	71	0	32	58	27	117	1	30	22	1	54	324
04:45 PM	1	6	39	10	56	0	14	17	37	68	4	20	47	33	104	0	34	27	6	67	295
Total Volume	2	19	188	52	261	0	62	57	174	293	4	84	208	135	431	1	119	96	10	226	1211
% App. Total	0.8	7.3	72	19.9		0	21.2	19.5	59.4		0.9	19.5	48.3	31.3		0.4	52.7	42.5	4.4		
PHF	.500	.792	.758	.867	.796	.000	.861	.750	.870	.927	.250	.656	.897	.865	.921	.250	.875	.828	.417	.843	.934

