

# Alliant Engineering, Inc.

233 Park Ave Suite 300  
 Minneapolis, MN 55415

--TRAFFIC DATA--

TH 55 and Medicine Lake Road  
 Ref.Pt.: 182.8  
 data by : Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 417\_TH 55 & Medicine Lake Rd  
 Site Code : 417  
 Start Date : 2/21/2018  
 Page No : 1

## Groups Printed- Class 1 - Class 2

Start Time	Medicine Lake Rd From North					TH 55 From East					Medicine Lake Rd 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	1	19	20	0	1	101	2	104	0	1	0	2	3	0	2	208	0	210	337
06:15 AM	0	3	1	20	24	0	3	156	2	161	0	2	0	1	3	0	3	222	2	227	415
06:30 AM	0	4	1	35	40	0	4	195	2	201	0	6	0	4	10	0	12	290	0	302	553
06:45 AM	0	2	1	26	29	1	3	232	5	241	0	6	0	3	9	0	5	381	2	388	667
Total	0	9	4	100	113	1	11	684	11	707	0	15	0	10	25	0	22	1101	4	1127	1972
07:00 AM	0	2	36	57	95	0	7	203	5	215	0	18	0	2	20	0	8	427	5	440	770
07:15 AM	0	12	4	57	73	0	6	307	8	321	0	10	0	4	14	0	14	585	2	601	1009
07:30 AM	0	15	3	100	118	0	8	316	12	336	0	13	3	7	23	0	5	604	13	622	1099
07:45 AM	0	14	6	93	113	0	6	288	56	350	0	19	2	10	31	0	16	489	13	518	1012
Total	0	43	49	307	399	0	27	1114	81	1222	0	60	5	23	88	0	43	2105	33	2181	3890
08:00 AM	0	3	11	67	81	0	6	281	14	301	0	20	2	9	31	0	6	584	5	595	1008
08:15 AM	0	5	8	57	70	0	15	281	18	314	0	31	7	20	58	0	13	565	9	587	1029
08:30 AM	0	3	0	63	66	0	14	309	16	339	0	35	4	16	55	0	10	432	9	451	911
08:45 AM	0	9	3	47	59	0	10	263	8	281	0	10	3	7	20	0	12	376	24	412	772
Total	0	20	22	234	276	0	45	1134	56	1235	0	96	16	52	164	0	41	1957	47	2045	3720
09:00 AM	0	2	14	29	45	1	26	259	19	305	0	10	0	2	12	0	4	297	21	322	684
09:15 AM	0	4	0	31	35	0	12	297	5	314	0	5	1	2	8	1	3	290	13	307	664
*** BREAK ***																					
Total	0	6	14	60	80	1	38	556	24	619	0	15	1	4	20	1	7	587	34	629	1348
*** BREAK ***																					
10:30 AM	0	4	1	15	20	0	16	173	2	191	0	4	0	3	7	0	4	185	6	195	413
10:45 AM	0	6	3	27	36	0	25	192	8	225	0	6	3	5	14	0	6	198	13	217	492
Total	0	10	4	42	56	0	41	365	10	416	0	10	3	8	21	0	10	383	19	412	905
11:00 AM	0	9	0	18	27	0	20	182	5	207	0	10	1	3	14	0	6	186	15	207	455
11:15 AM	0	14	3	22	39	0	23	194	7	224	0	7	4	3	14	0	8	221	19	248	525
11:30 AM	0	19	4	22	45	0	31	188	9	228	0	17	6	5	28	0	10	229	10	249	550
11:45 AM	0	13	0	23	36	0	18	229	10	257	0	3	3	5	11	0	6	226	15	247	551
Total	0	55	7	85	147	0	92	793	31	916	0	37	14	16	67	0	30	862	59	951	2081
12:00 PM	0	23	2	18	43	0	29	179	5	213	0	15	2	11	28	0	12	213	19	244	528
12:15 PM	0	17	2	13	32	0	24	226	7	257	0	7	4	9	20	0	9	197	9	215	524
12:30 PM	0	17	1	29	47	0	18	210	7	235	0	16	0	9	25	0	12	228	15	255	562
12:45 PM	0	19	1	25	45	0	18	283	6	307	0	18	1	9	28	0	6	212	18	236	616
Total	0	76	6	85	167	0	89	898	25	1012	0	56	7	38	101	0	39	850	61	950	2230
01:00 PM	0	24	1	20	45	0	27	225	9	261	0	21	3	7	31	0	5	226	20	251	588
01:15 PM	0	19	2	25	46	0	25	252	7	284	0	9	2	12	23	0	7	176	17	200	553
*** BREAK ***																					
Total	0	43	3	45	91	0	52	477	16	545	0	30	5	19	54	0	12	402	37	451	1141
*** BREAK ***																					
02:30 PM	0	11	2	26	39	0	32	288	5	325	0	11	1	5	17	0	2	284	13	299	680
02:45 PM	0	23	3	25	51	0	33	270	7	310	0	13	2	4	19	0	8	216	8	232	612
Total	0	34	5	51	90	0	65	558	12	635	0	24	3	9	36	0	10	500	21	531	1292
03:00 PM	0	26	1	17	44	0	36	334	10	380	0	7	1	4	12	0	3	277	10	290	726
03:15 PM	0	13	3	27	43	0	35	318	6	359	0	20	2	16	38	0	1	277	19	297	737
03:30 PM	0	20	2	22	44	0	31	414	4	449	0	10	5	14	29	0	2	372	13	387	909
03:45 PM	0	15	3	26	44	0	34	427	8	469	0	8	0	5	13	0	6	328	16	350	876
Total	0	74	9	92	175	0	136	1493	28	1657	0	45	8	39	92	0	12	1254	58	1324	3248
04:00 PM	0	21	3	19	43	0	48	484	4	536	0	13	4	11	28	1	6	371	16	394	1001
04:15 PM	0	20	2	21	43	0	52	488	4	544	0	6	6	8	20	0	3	374	16	393	1000
04:30 PM	0	24	2	31	57	1	40	507	8	556	0	15	6	15	36	0	9	436	11	456	1105

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File Name : 417\_TH 55 & Medicine Lake Rd

Site Code : 417\_\_\_\_\_

Start Date : 2/21/2018

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Groups Printed- Class 1 - Class 2

Start Time	Medicine Lake Rd From North					TH 55 From East					Medicine Lake Rd 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	24	1	27	52	0	64	552	1	617	0	13	6	13	32	0	4	431	10	445	1146
Total	0	89	8	98	195	1	204	2031	17	2253	0	47	22	47	116	1	22	1612	53	1688	4252
05:00 PM	0	17	1	26	44	0	52	532	9	593	1	13	7	12	33	0	8	456	15	479	1149
05:15 PM	0	27	4	36	67	1	42	487	3	533	0	11	7	12	30	0	4	380	30	414	1044
05:30 PM	0	25	1	30	56	0	56	509	3	568	0	9	3	6	18	0	7	344	15	366	1008
05:45 PM	0	15	3	24	42	0	49	441	3	493	0	11	4	4	19	0	4	314	7	325	879
Total	0	84	9	116	209	1	199	1969	18	2187	1	44	21	34	100	0	23	1494	67	1584	4080
Grand Total	0	543	140	1315	1998	4	999	12072	329	13404	1	479	105	299	884	2	271	13107	493	13873	30159
Apprch %	0	27.2	7	65.8		0	7.5	90.1	2.5		0.1	54.2	11.9	33.8		0	2	94.5	3.6		
Total %	0	1.8	0.5	4.4	6.6	0	3.3	40	1.1	44.4	0	1.6	0.3	1	2.9	0	0.9	43.5	1.6	46	
Class 1	0	513	131	1217	1861	4	966	11587	325	12882	1	472	102	285	860	1	267	12663	483	13414	29017
% Class 1	0	94.5	93.6	92.5	93.1	100	96.7	96	98.8	96.1	100	98.5	97.1	95.3	97.3	50	98.5	96.6	98	96.7	96.2
Class 2	0	30	9	98	137	0	33	485	4	522	0	7	3	14	24	1	4	444	10	459	1142
% Class 2	0	5.5	6.4	7.5	6.9	0	3.3	4	1.2	3.9	0	1.5	2.9	4.7	2.7	50	1.5	3.4	2	3.3	3.8

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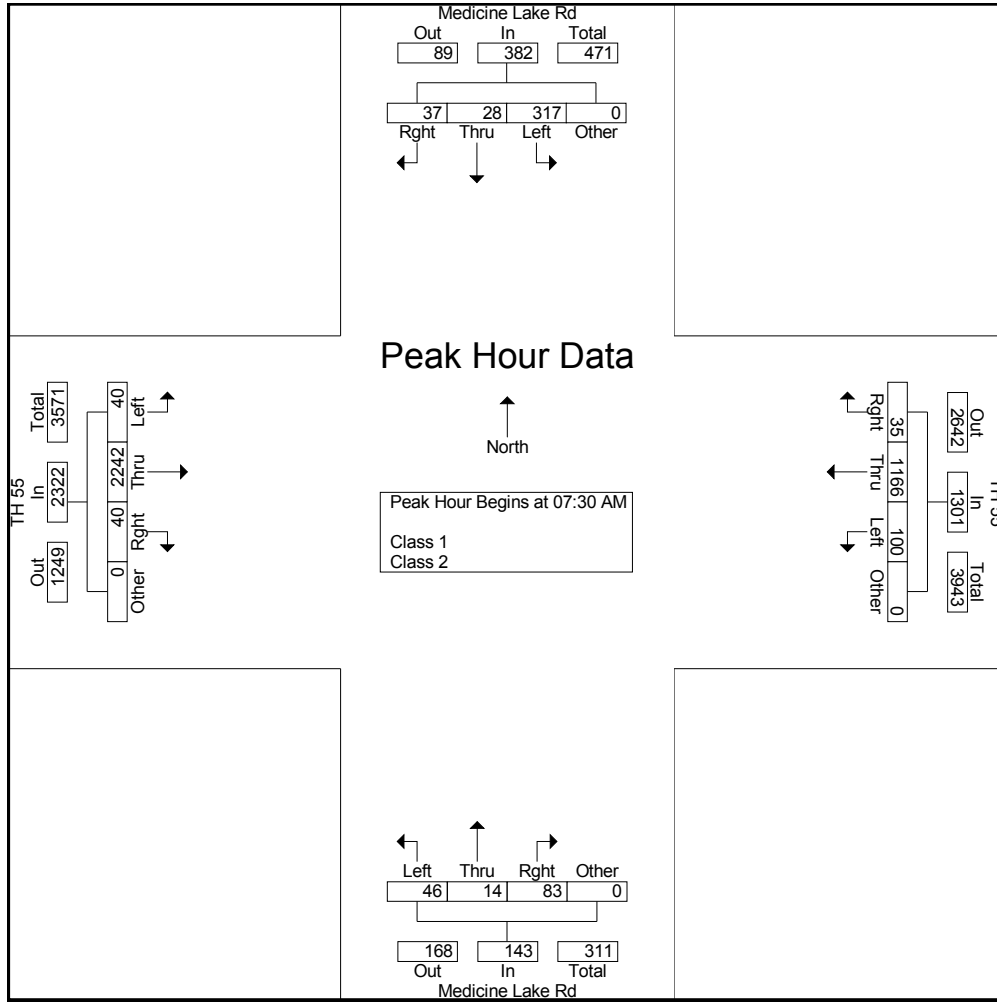
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	15	3	100	118	0	8	316	12	336	0	13	3	7	23	0	5	604	13	622	1099
07:45 AM	0	14	6	93	113	0	6	288	56	350	0	19	2	10	31	0	16	489	13	518	1012
08:00 AM	0	3	11	67	81	0	6	281	14	301	0	20	2	9	31	0	6	584	5	595	1008
08:15 AM	0	5	8	57	70	0	15	281	18	314	0	31	7	20	58	0	13	565	9	587	1029
Total Volume	0	37	28	317	382	0	35	1166	100	1301	0	83	14	46	143	0	40	2242	40	2322	4148
% App. Total	0	9.7	7.3	83		0	2.7	89.6	7.7		0	58	9.8	32.2		0	1.7	96.6	1.7		
PHF	.000	.617	.636	.793	.809	.000	.583	.922	.446	.929	.000	.669	.500	.575	.616	.000	.625	.928	.769	.933	.944



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Start Time	Medicine Lake Rd From North					TH 55 From East					Medicine Lake Rd 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 04:30 PM																					
04:30 PM	0	24	2	31	57	1	40	507	8	556	0	15	6	15	36	0	9	436	11	456	1105
04:45 PM	0	24	1	27	52	0	64	552	1	617	0	13	6	13	32	0	4	431	10	445	1146
05:00 PM	0	17	1	26	44	0	52	532	9	593	1	13	7	12	33	0	8	456	15	479	1149
05:15 PM	0	27	4	36	67	1	42	487	3	533	0	11	7	12	30	0	4	380	30	414	1044
Total Volume	0	92	8	120	220	2	198	2078	21	2299	1	52	26	52	131	0	25	1703	66	1794	4444
% App. Total	0	41.8	3.6	54.5		0.1	8.6	90.4	0.9		0.8	39.7	19.8	39.7		0	1.4	94.9	3.7		
PHF	.000	.852	.500	.833	.821	.500	.773	.941	.583	.932	.250	.867	.929	.867	.910	.000	.694	.934	.550	.936	.967

