

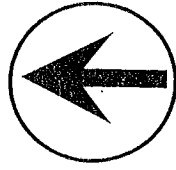
Date : 08/01/13

Count Number : TMC1328

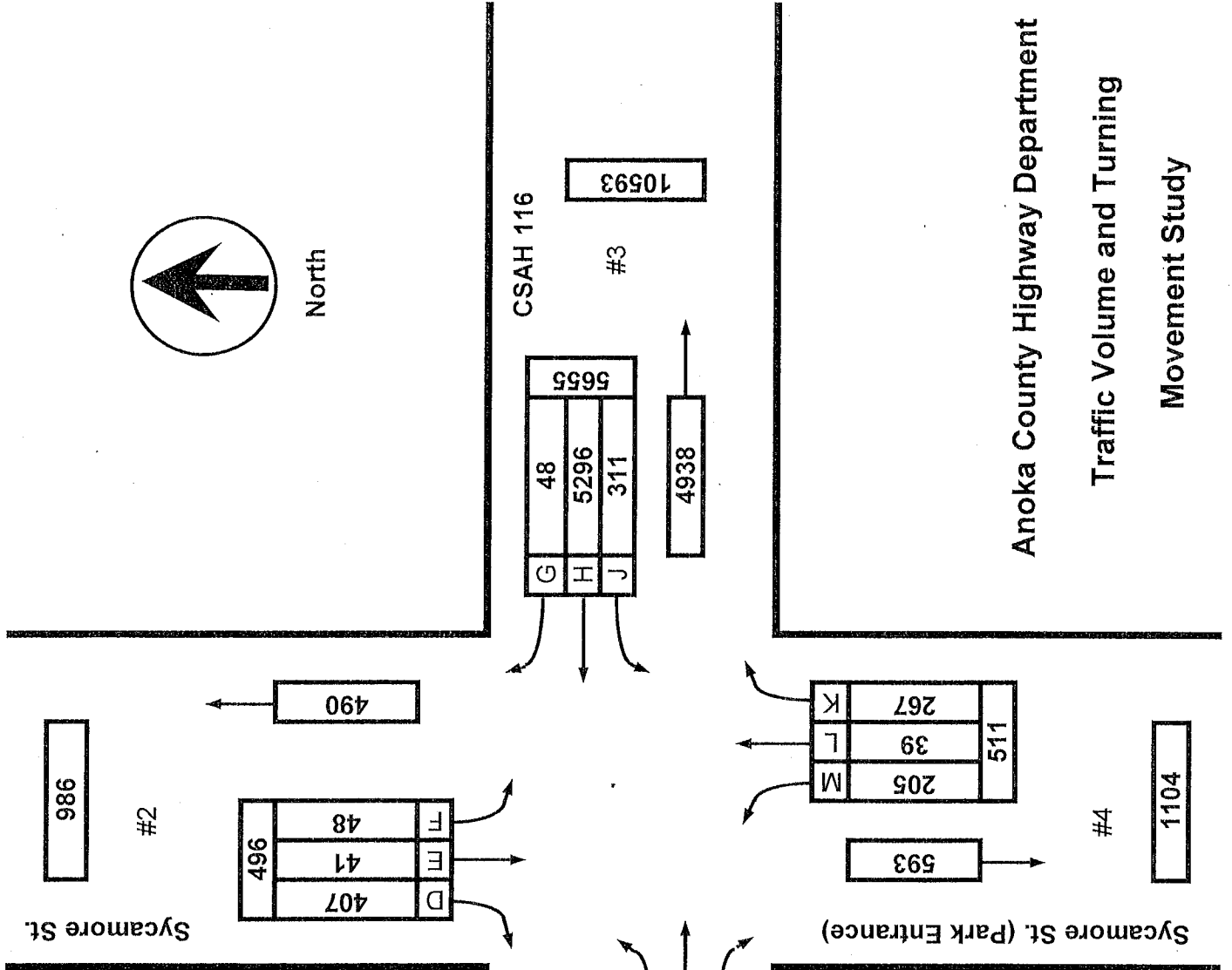
Location : CSAH 116 (Bunker Lake Blvd.)

@ Sycamore St.

Collection Period : 6 AM - 10 PM



North



	EXISTING LANES OF APPROACH			TOTAL
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	
#1	1	1	1	3
#2	0	0	1	1
#3	1	1	1	3
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/01/13

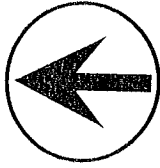
Count Number : TMC1328

Location : CSAH 116 (Bunker Lake Blvd.)

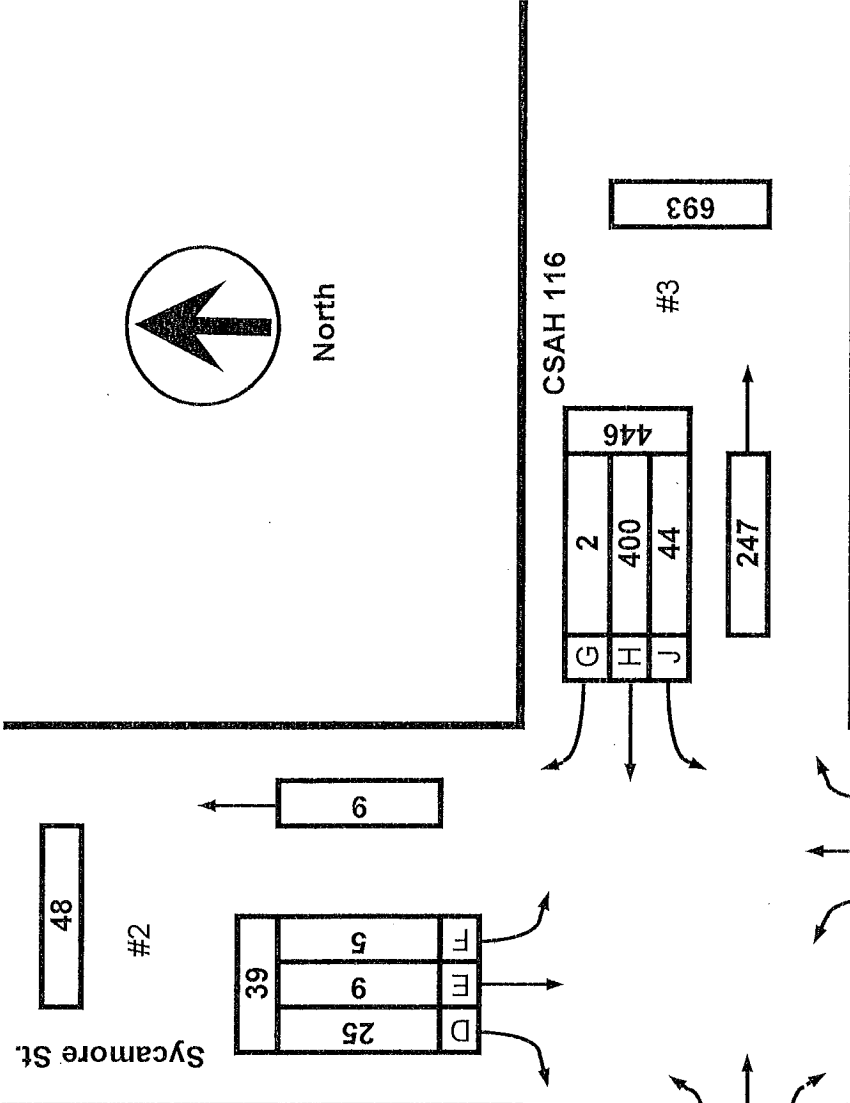
@ Sycamore St.

Collection Period : AM PEAK

Hour : 7:00 - 8:00 AM



North



	EXISTING LANES OF APPROACH			TOTAL
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	
#1	1	1	1	3
#2	0	0	1	1
#3	1	1	1	3
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 07/30/13

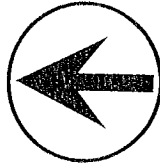
Count Number : TMC1328

Location : CSAH 116 (Bunker Lake Blvd.)

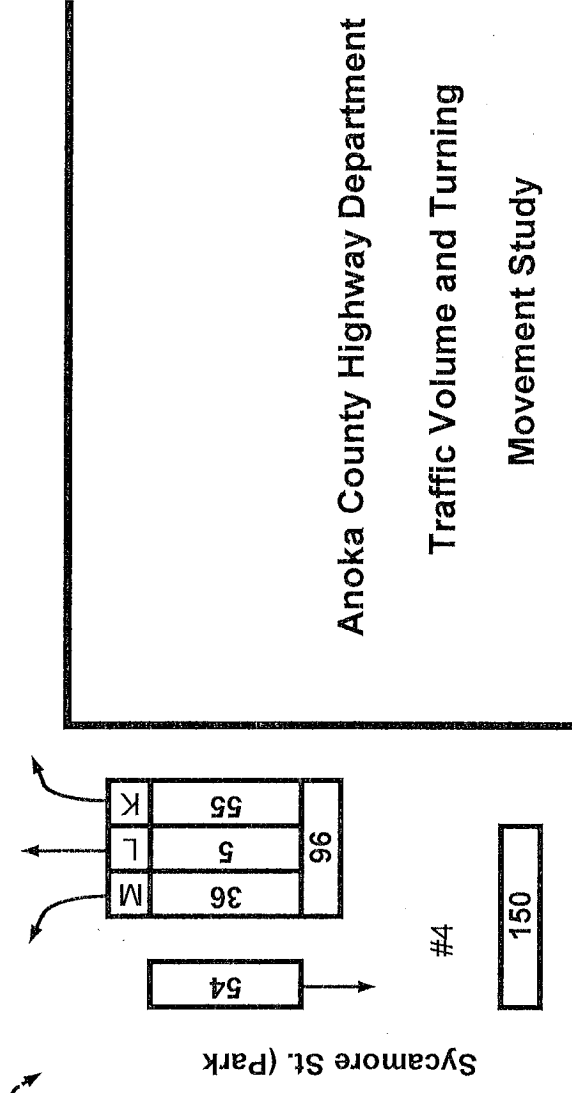
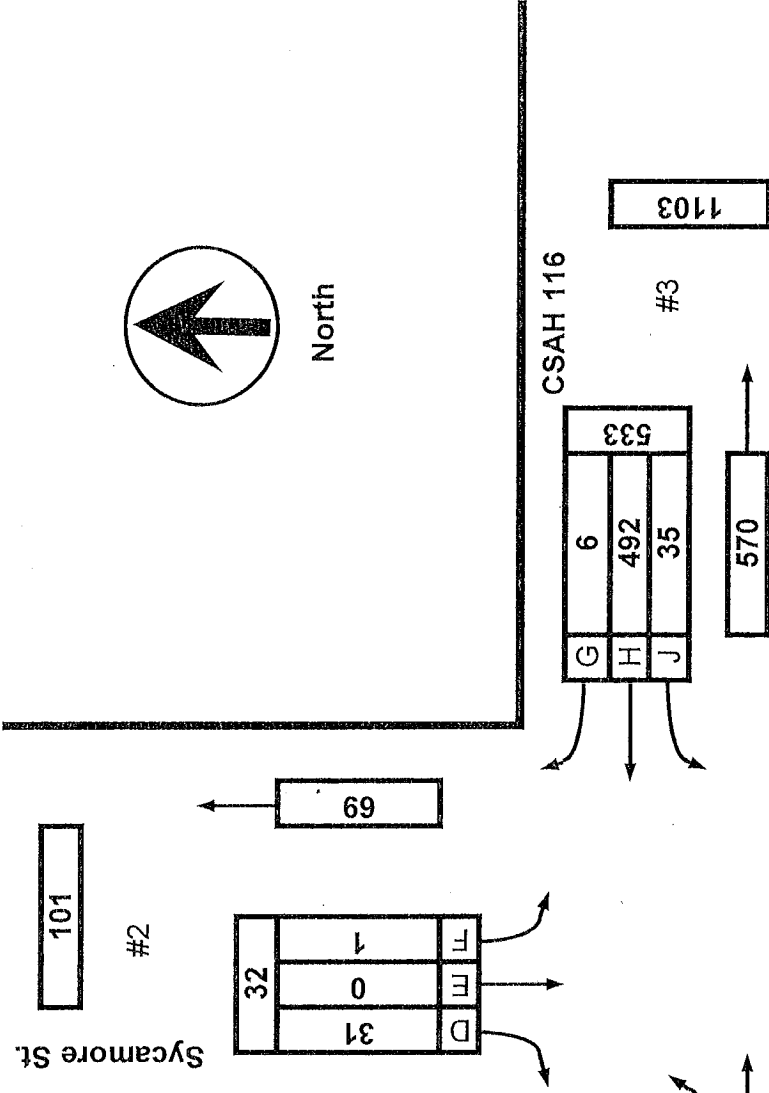
@ Sycamore St.

Collection Period : PM PEAK

Hour : 4:30 PM - 5:30 PM



North



	EXISTING LANES OF APPROACH			TOTAL
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	
#1	1	1	1	3
#2	0	0	1	1
#3	1	1	1	3
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 1328
 Site Code : 13280202
 Start Date : 07/30/2013
 Page No : 1

Weather: Cool & Rainy
 Counter: DB-400
 Study Conducted By: Kate and Kristin

Groups Printed- Unshifted

Start Time	Sycamore St. Southbound					CSAH 116 Westbound					Sycamore St. Northbound					CSAH 116 Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total			
06:00	1	3	6	0	10	7	57	0	2	64	0	0	0	0	0	0	33	0	1	33	3	107	110
06:15	2	3	5	0	10	6	75	0	3	81	2	0	0	0	2	0	45	3	0	48	3	141	144
06:30	0	1	9	0	10	9	65	0	3	74	0	0	0	0	0	2	29	4	0	35	3	119	122
06:45	2	2	3	0	7	10	76	0	2	86	0	0	2	0	2	1	62	8	1	71	3	166	169
Total	5	9	23	0	37	32	273	0	10	305	2	0	2	0	4	3	169	15	2	187	12	533	545
07:00	0	3	4	0	7	15	97	0	5	112	0	0	0	0	0	2	50	2	0	54	5	173	178
07:15	2	3	8	0	13	10	100	1	3	111	1	0	1	0	2	2	67	5	0	74	3	200	203
07:30	2	0	3	0	5	8	66	0	0	74	1	0	2	0	3	1	35	4	1	40	1	122	123
07:45	1	3	10	0	14	11	137	1	1	149	4	0	2	0	6	2	85	4	1	91	2	260	262
Total	5	9	25	0	39	44	400	2	9	446	6	0	5	0	11	7	237	15	2	259	11	755	766
08:00	0	2	18	0	20	6	67	0	3	73	0	0	2	0	2	3	50	4	6	57	9	152	161
08:15	1	0	9	0	10	3	73	2	4	78	1	1	1	0	3	2	65	3	1	70	5	161	166
08:30	0	3	7	0	10	3	66	1	5	70	2	0	1	0	3	2	48	2	3	52	8	135	143
08:45	0	0	2	0	2	0	74	0	1	74	1	0	0	0	1	2	44	5	2	51	3	128	131
Total	1	5	36	0	42	12	280	3	13	295	4	1	4	0	9	9	207	14	12	230	25	576	601
09:00	1	1	4	0	6	7	67	4	5	78	4	0	2	0	6	4	60	1	2	65	7	155	162
09:15	0	2	9	0	11	5	85	0	3	90	3	0	2	0	5	2	48	10	3	60	6	166	172
09:30	0	0	7	0	7	2	81	0	2	83	1	0	0	0	1	6	66	2	0	74	2	165	167
09:45	1	0	7	0	8	5	88	1	2	94	3	0	0	0	3	2	67	1	2	70	4	175	179
Total	2	3	27	0	32	19	321	5	12	345	11	0	4	0	15	14	241	14	7	269	19	661	680
10:00	0	0	9	0	9	2	94	1	3	97	3	1	3	0	7	1	45	1	1	47	4	160	164
10:15	1	0	7	0	8	4	87	0	4	91	0	0	1	0	1	3	66	5	3	74	7	174	181
10:30	2	0	4	0	6	8	92	1	4	101	4	0	3	0	7	6	60	6	5	72	9	186	195
10:45	1	0	11	0	12	11	72	0	1	83	1	0	5	0	6	5	71	16	3	92	4	193	197
Total	4	0	31	0	35	25	345	2	12	372	8	1	12	0	21	15	242	28	12	285	24	713	737
11:00	0	1	5	0	6	3	83	0	1	86	3	0	1	0	4	4	52	15	0	71	1	167	168
11:15	0	1	6	0	7	7	72	1	0	80	5	0	3	0	8	2	54	3	0	59	0	154	154
11:30	1	0	4	0	5	11	101	0	3	112	5	0	3	0	8	5	67	5	2	77	5	202	207
11:45	1	0	14	0	15	9	68	1	3	78	6	0	6	0	12	5	69	7	0	81	3	186	189
Total	2	2	29	0	33	30	324	2	7	356	19	0	13	0	32	16	242	30	2	288	9	709	718
12:00	1	0	10	0	11	7	83	0	2	90	2	0	2	0	4	11	48	8	5	67	7	172	179
12:15	2	0	2	0	4	8	58	0	3	66	2	0	3	0	5	1	61	5	0	67	3	142	145
12:30	1	1	6	0	8	7	76	1	0	84	3	1	3	0	7	7	90	15	0	112	0	211	211
12:45	3	0	6	0	9	10	72	4	3	86	6	0	4	0	10	8	69	11	2	88	5	193	198
Total	7	1	24	0	32	32	289	5	8	326	13	1	12	0	26	27	268	39	7	334	15	718	733
13:00	0	0	8	0	8	3	67	1	2	71	6	0	5	0	11	4	60	5	2	69	4	159	163
13:15	0	0	6	0	6	3	75	0	2	78	3	0	3	0	6	7	57	7	2	71	4	161	165
13:30	0	1	3	0	4	1	63	0	2	64	2	0	3	0	5	7	69	1	1	77	3	150	153
13:45	0	0	9	0	9	1	99	0	5	100	3	0	1	0	4	2	72	5	3	79	8	192	200
Total	0	1	26	0	27	8	304	1	11	313	14	0	12	0	26	20	258	18	8	296	19	662	681
14:00	0	1	4	0	5	3	74	2	2	79	6	0	4	0	10	4	84	2	1	90	3	184	187
14:15	1	0	2	0	3	0	83	1	4	84	7	1	1	0	9	5	55	4	1	64	5	160	165
14:30	1	1	5	0	7	2	97	0	7	99	2	1	3	0	6	5	82	3	2	90	9	202	211
14:45	2	1	6	0	9	3	76	0	1	79	1	0	3	0	4	8	84	6	1	98	2	190	192
Total	4	3	17	0	24	8	330	3	14	341	16	2	11	0	29	22	305	15	5	342	19	736	755
15:00	0	0	3	0	3	4	101	0	9	105	5	0	2	0	7	4	90	3	4	97	13	212	225
15:15	1	0	4	0	5	4	101	2	4	107	4	1	9	0	14	15	98	1	0	114	4	240	244
15:30	2	0	6	0	8	5	104	0	5	109	3	2	5	0	10	10	105	5	1	120	6	247	253
15:45	1	1	7	0	9	7	106	1	3	114	7	1	4	0	12	4	100	2	0	106	3	241	244
Total	4	1	20	0	25	20	412	3	21	435	19	4	20	0	43	33	393	11	5	437	26	940	966
16:00	1	0	12	0	13	1	109	3	2	113	5	4	11	0	20	8	120	2	0	130	2	276	278
16:15	0	0	5	0	5	9	103	0	2	112	4	2	10	0	16	14	101	2	0	117	2	250	252
16:30	0	0	5	0	5	11	112	0	2	123	9	1	14	0	24	15	136	6	0	157	2	309	311
16:45	1	0	8	0	9	12	143	1	3	156	3	1	10	0	14	18	130	8	0	156	3	335	338
Total	2	0	30	0	32	33	467	4	9	504	21	8	45	0	74	55	487	18	0	560	9	1170	1179
17:00	0	0	9	0	9	7	110	2	0	119	17	0	16	0	33	12	110	1	0	123	0	284	284
17:15	0	0	9	0	9	5	127	3	0	135	7	3	15	0	25	13	138	4	3	155	3	324	327
17:30	0	0	13	0	13	6	119	0	2	125	3	0	14	0	17	19	133	2	0	154	2	309	311



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 1328
 Site Code : 13280202
 Start Date : 07/30/2013
 Page No : 2

Weather: Cool & Rainy
 Counter: DB-400
 Study Conducted By: Kate and Kristin

Groups Printed- Unshifted

Start Time	Sycamore St. Southbound					CSAH 116 Westbound					Sycamore St. Northbound					CSAH 116 Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total			
17:45	1	2	8	0	11	2	118	0	1	120	3	4	7	0	14	14	106	3	0	123	1	268	269
Total	1	2	39	0	42	20	474	5	3	499	30	7	52	0	89	58	487	10	3	555	6	1185	1191
18:00	2	0	6	0	8	1	110	1	3	112	2	2	4	0	8	11	119	1	0	131	3	259	262
18:15	1	0	9	0	10	1	98	0	1	99	3	0	6	0	9	18	91	0	0	109	1	227	228
18:30	1	0	2	0	3	0	89	5	0	94	3	0	3	0	6	8	71	1	0	80	0	183	183
18:45	2	1	8	0	11	1	66	0	1	67	1	0	6	0	7	6	100	1	0	107	1	192	193
Total	6	1	25	0	32	3	363	6	5	372	9	2	19	0	30	43	381	3	0	427	5	861	866
19:00	0	0	12	0	12	3	76	1	0	80	5	2	10	0	17	6	55	1	0	62	0	171	171
19:15	0	0	2	0	2	2	67	0	1	69	3	0	11	0	14	9	90	2	0	101	1	186	187
19:30	0	0	7	0	7	2	72	1	2	75	1	0	3	0	4	5	73	2	0	80	2	166	168
19:45	0	1	2	0	3	7	62	3	0	72	4	1	4	0	9	5	50	4	0	59	0	143	143
Total	0	1	23	0	24	14	277	5	3	296	13	3	28	0	44	25	268	9	0	302	3	666	669
20:00	0	1	2	0	3	1	47	0	1	48	5	0	2	1	7	9	64	0	0	73	2	131	133
20:15	0	0	8	0	8	3	72	0	2	75	7	0	2	0	9	4	74	0	0	78	2	170	172
20:30	0	0	1	0	1	0	73	0	0	73	2	4	5	0	11	11	63	0	0	74	0	159	159
20:45	0	0	7	0	7	2	66	1	0	69	0	0	7	0	7	8	64	0	0	72	0	155	155
Total	0	1	18	0	19	6	258	1	3	265	14	4	16	1	34	32	265	0	0	297	4	615	619
21:00	3	2	4	0	9	2	53	0	0	55	2	3	6	0	11	7	52	1	0	60	0	135	135
21:15	1	0	3	0	4	1	48	0	0	49	0	1	0	0	1	5	51	0	0	56	0	110	110
21:30	1	0	5	0	6	0	44	0	0	44	2	2	4	0	8	8	29	0	0	37	0	95	95
21:45	0	0	2	0	2	2	34	1	0	37	2	0	2	0	4	4	41	1	1	46	1	89	90
Total	5	2	14	0	21	5	179	1	0	185	6	6	12	0	24	24	173	2	1	199	1	429	430

*** BREAK ***

Grand Total	48	41	407	0	496	311	5296	48	140	5655	205	39	267	1	511	403	4623	241	66	5267	207	11929	12136
Apprch %	9.7	8.3	82.1			5.5	93.7	0.8			40.1	7.6	52.3			7.7	87.8	4.6					
Total %	0.4	0.3	3.4		4.2	2.6	44.4	0.4		47.4	1.7	0.3	2.2		4.3	3.4	38.8	2		44.2	1.7	98.3	

Start Time	Sycamore St. Southbound				CSAH 116 Westbound				Sycamore St. Northbound				CSAH 116 Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	0	3	4	7	15	97	0	112	0	0	0	0	2	50	2	54	173
07:15	2	3	8	13	10	100	1	111	1	0	1	2	2	67	5	74	200
07:30	2	0	3	5	8	66	0	74	1	0	2	3	1	35	4	40	122
07:45	1	3	10	14	11	137	1	149	4	0	2	6	2	85	4	91	260
Total Volume	5	9	25	39	44	400	2	446	6	0	5	11	7	237	15	259	755
% App. Total	12.8	23.1	64.1		9.9	89.7	0.4		54.5	0	45.5		2.7	91.5	5.8		
PHF	.625	.750	.625	.696	.733	.730	.500	.748	.375	.000	.625	.458	.875	.697	.750	.712	.726

Peak Hour Analysis From 12:00 to 05:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	0	0	5	5	11	112	0	123	9	1	14	24	15	136	6	157	309
16:45	1	0	8	9	12	143	1	156	3	1	10	14	18	130	8	156	335
17:00	0	0	9	9	7	110	2	119	17	0	16	33	12	110	1	123	284
17:15	0	0	9	9	5	127	3	135	7	3	15	25	13	138	4	155	324
Total Volume	1	0	31	32	35	492	6	533	36	5	55	96	58	514	19	591	1252
% App. Total	3.1	0	96.9		6.6	92.3	1.1		37.5	5.2	57.3		9.8	87	3.2		
PHF	.250	.000	.861	.889	.729	.860	.500	.854	.529	.417	.859	.727	.806	.931	.594	.941	.934



**ANOKA COUNTY HIGHWAY
PC-WARRANTS
TRAFFIC SIGNAL WARRANT ANALYSIS**

Study Name : TMC 1328
Study Date : 08/20/13
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 116
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: **5,267**

Westbound: CSAH 116
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: **5,655**

Minor Street Approaches

Northbound: Sycamore St.
Number of Lanes: 1

Total Approach Volume: **511**

Southbound: Sycamore St.
Number of Lanes: 1

Total Approach Volume: **496**

Warrant Summary (Rural values apply.)

- Warrant 1 - Eight Hour Vehicular Volumes** **Not Satisfied**
 - Warrant 1A - Minimum Vehicular Volume** **Not Satisfied**
Required volumes reached for 0 hours, 8 are needed
 - Warrant 1B - Interruption of Continuous Traffic** **Not Satisfied**
Required volumes reached for 4 hours, 8 are needed
 - Warrant 1 A&B - Combination of Warrants** **Not Satisfied**
Required volumes reached for 1 hours, 8 are needed

- Warrant 2 - Four Hour Volumes** **Not Satisfied**
Number of hours (2) volumes exceed minimum < minimum required (4).

- Warrant 3 - Peak Hour** **Satisfied**
 - Warrant 3A - Peak Hour Delay** **Not Satisfied**
Approach volumes on minor street don't exceed minimums for any hour. Delay data not evaluated.
 - Warrant 3B - Peak Hour Volumes** **Satisfied**
Volumes exceed minimums for at least one hour.

- Warrant 4 - Pedestrian Volumes** **Not Evaluated**

- Warrant 5 - School Crossing** **Not Evaluated**

- Warrant 6 - Coordinated Signal System** **Not Evaluated**

- Warrant 7 - Crash Experience** **Not Evaluated**

- Warrant 8 - Roadway Network** **Not Evaluated**

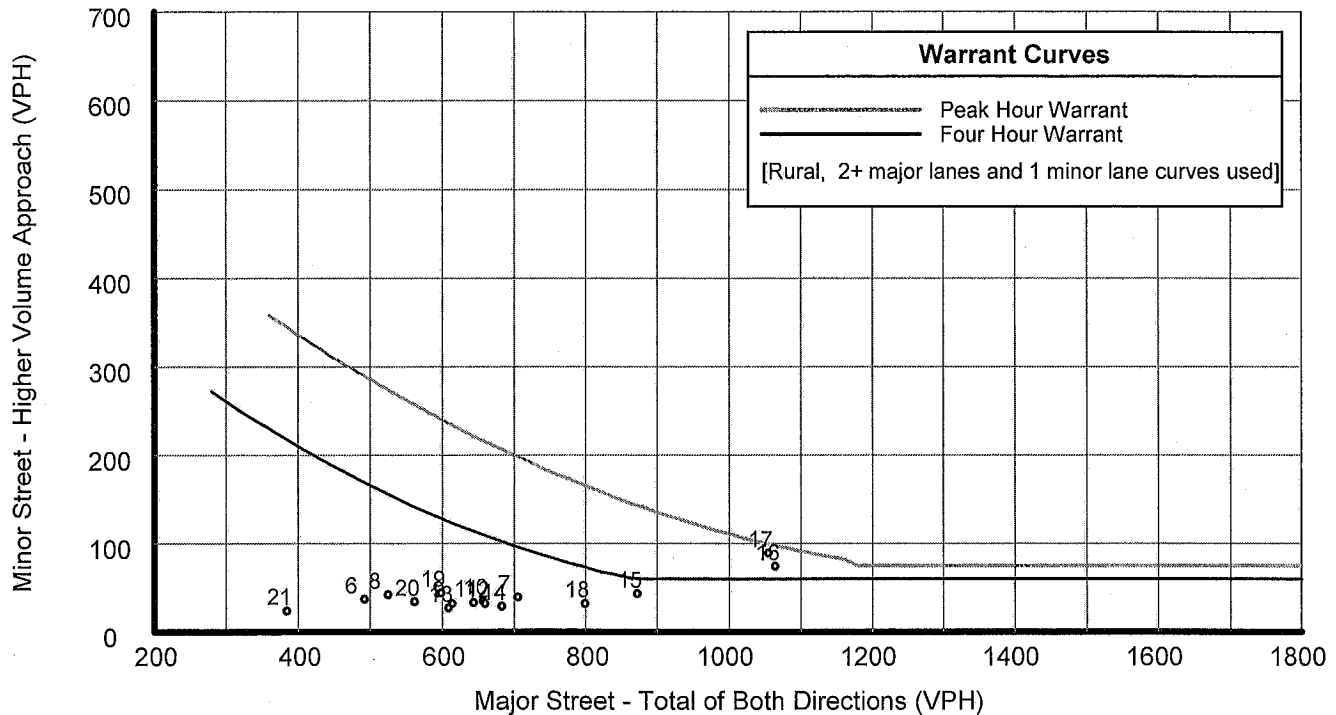
- Warrant 9 - Intersection Near a Grade Crossing** **Not Evaluated**



ANOKA COUNTY HIGHWAY PC-WARRANTS TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC 1328
Study Date : 08/20/13
Page No. : 2

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

War 1A-Minimum Volume

War 1B-Interruption of Traffic

War 1C-Combination of Warrants

Hour Begin	Major Total	Minor Vol Dir	Maj 420	Min 105	Hour Begin	Major Total	Minor Vol Dir	Maj 630	Min 53	Hour Begin	Major Total	Minor Vol Dir	Maj 504	Min 84
16:30	1,124	96 NB	Yes	No	16:15	1,063	87 NB	Yes	Yes	16:15	1,063	87 NB	Yes	Yes
16:45	1,123	89 NB	Yes	No	17:15	1,055	64 NB	Yes	Yes	16:00	1,064	74 NB	Yes	No
16:00	1,064	74 NB	Yes	No	15:15	913	56 NB	Yes	Yes	17:15	1,055	64 NB	Yes	No
16:15	1,063	87 NB	Yes	No	07:45	640	54 SB	Yes	Yes	17:30	973	48 NB	Yes	No
17:15	1,055	64 NB	Yes	No	15:00	872	43 NB	Yes	No	15:45	972	72 NB	Yes	No
17:00	1,054	89 NB	Yes	No	14:45	829	35 NB	Yes	No	15:30	921	58 NB	Yes	No
17:30	973	48 NB	Yes	No	14:30	789	31 NB	Yes	No	15:15	913	56 NB	Yes	No
15:45	972	72 NB	Yes	No	14:15	716	26 NB	Yes	No	15:00	872	43 NB	Yes	No
15:30	921	58 NB	Yes	No	07:00	705	39 SB	Yes	No	17:45	868	37 NB	Yes	No
15:15	913	56 NB	Yes	No	18:15	698	39 NB	Yes	No	14:45	829	35 NB	Yes	No
15:00	872	43 NB	Yes	No	13:45	685	29 NB	Yes	No	18:00	799	32 SB	Yes	No
17:45	868	37 NB	Yes	No	14:00	683	29 NB	Yes	No	14:30	789	31 NB	Yes	No
14:45	829	35 NB	Yes	No	10:15	670	32 SB	Yes	No	14:15	716	26 NB	Yes	No
18:00	799	32 SB	Yes	No	07:15	669	52 SB	Yes	No	07:00	705	39 SB	Yes	No
14:30	789	31 NB	Yes	No	18:30	660	44 NB	Yes	No	18:15	698	39 NB	Yes	No
14:15	716	26 NB	Yes	No	12:00	660	32 SB	Yes	No	13:45	685	29 NB	Yes	No
07:00	705	39 SB	Yes	No	10:45	660	30 SB	Yes	No	14:00	683	29 NB	Yes	No
18:15	698	39 NB	Yes	No	12:30	659	34 NB	Yes	No	10:15	670	32 SB	Yes	No
13:45	685	29 NB	Yes	No	10:00	657	35 SB	Yes	No	07:15	669	52 SB	Yes	No
14:00	683	29 NB	Yes	No	09:45	646	31 SB	Yes	No	18:30	660	44 NB	Yes	No
10:15	670	32 SB	Yes	No	11:45	645	38 SB	Yes	No	12:00	660	32 SB	Yes	No
07:15	669	52 SB	Yes	No	11:15	644	38 SB	Yes	No	10:45	660	30 SB	Yes	No
18:30	660	44 NB	Yes	No	11:00	644	33 SB	Yes	No	12:30	659	34 NB	Yes	No
12:00	660	32 SB	Yes	No	10:30	644	31 SB	Yes	No	10:00	657	35 SB	Yes	No



**ANOKA COUNTY HIGHWAY
PC-WARRANTS
TRAFFIC SIGNAL WARRANT ANALYSIS**

Study Name : TMC 1328
Study Date : 08/09/13
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: CSAH 116
Total Approach Volume: 5,267
85% Speed > 40 MPH.

Westbound: CSAH 116
Total Approach Volume: 5,655
85% Speed > 40 MPH.

Minor Street Approaches

Northbound: Sycamore St.
Total Approach Volume: 511

Southbound: Sycamore St.
Total Approach Volume: 496

Warrant Summary

Criteria A - Interim Measure Not Evaluated
If traffic signals are justified, stop signs can be installed as an interim measure.

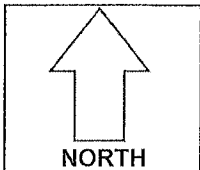
Criteria B - Crash Experience Not Evaluated

Criteria C - Minimum Volumes and Delays Not Satisfied
Delay data not evaluated
Required volumes reached for 0 hours, 8 are needed

Criteria D - 80% of Volumes, Delays, and Crashes Not Evaluated
Delay data not evaluated
Number of crashes (-1) is less than the minimum required (4).
Required volumes reached for 0 hours, 8 are needed

Analysis of 8 Hour Volume Warrants:

Time	Major Total	Minor Total	Crit C			Crit D		
			Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
05:30 - 06:30	226	22	210-Yes	140-No	Major	240-No	160-No	No
05:45 - 06:45	335	32	210-Yes	140-No	Major	240-Yes	160-No	Major
06:00 - 07:00	492	41	210-Yes	140-No	Major	240-Yes	160-No	Major
06:15 - 07:15	561	38	210-Yes	140-No	Major	240-Yes	160-No	Major
06:30 - 07:30	617	41	210-Yes	140-No	Major	240-Yes	160-No	Major
06:45 - 07:45	622	39	210-Yes	140-No	Major	240-Yes	160-No	Major
07:00 - 08:00	705	50	210-Yes	140-No	Major	240-Yes	160-No	Major
07:15 - 08:15	669	65	210-Yes	140-No	Major	240-Yes	160-No	Major
07:30 - 08:30	632	63	210-Yes	140-No	Major	240-Yes	160-No	Major
07:45 - 08:45	640	68	210-Yes	140-No	Major	240-Yes	160-No	Major
08:00 - 09:00	525	51	210-Yes	140-No	Major	240-Yes	160-No	Major
08:15 - 09:15	538	41	210-Yes	140-No	Major	240-Yes	160-No	Major
08:30 - 09:30	540	44	210-Yes	140-No	Major	240-Yes	160-No	Major
08:45 - 09:45	575	39	210-Yes	140-No	Major	240-Yes	160-No	Major
09:00 - 10:00	614	47	210-Yes	140-No	Major	240-Yes	160-No	Major
09:15 - 10:15	615	51	210-Yes	140-No	Major	240-Yes	160-No	Major
09:30 - 10:30	630	44	210-Yes	140-No	Major	240-Yes	160-No	Major
09:45 - 10:45	646	49	210-Yes	140-No	Major	240-Yes	160-No	Major
10:00 - 11:00	657	56	210-Yes	140-No	Major	240-Yes	160-No	Major
10:15 - 11:15	670	50	210-Yes	140-No	Major	240-Yes	160-No	Major
10:30 - 11:30	644	56	210-Yes	140-No	Major	240-Yes	160-No	Major
10:45 - 11:45	660	56	210-Yes	140-No	Major	240-Yes	160-No	Major
11:00 - 12:00	644	65	210-Yes	140-No	Major	240-Yes	160-No	Major
11:15 - 12:15	644	70	210-Yes	140-No	Major	240-Yes	160-No	Major



COUNT LOCATION:

CSAH 116 (Bunker Lake Blvd.)

DATE:

08/01/2013

@ Sycamore St.

APP. #1 = CSAH 116
APP. #2 = Sycamore St.
APP. #3 = CSAH 116
APP. #4 = Sycamore St.

APP.
#2

HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT

APP.
#1

APP.
#3

A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE.

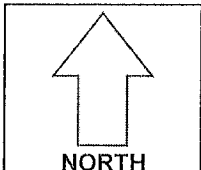
APP.
#4

B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.

C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS					HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS
6:00-6:15AM	1	1	1		3	3		
6:15-6:30	1				1	3		
6:30-6:45						5		
6:45-7:00	2			2	4	2		
HOURLY TOTAL					8	HOURLY TOTAL		13
7:00-7:15		1			1	4		
7:15-7:30						3		
7:30-7:45	1	1			2		1	
7:45-8:00	4				4	3		1
HOURLY TOTAL					7	HOURLY TOTAL		12
8:00-8:15						5		
8:15-8:30	3		1		4	8		1
8:30-8:45	4	1			5	6		
8:45-9:00	1	5	1		7	4		1
HOURLY TOTAL					16	HOURLY TOTAL		25
9:00-9:15		4			4	6		
9:15-9:30	3	3			6	6		
9:30-9:45	1	1		1	3	3		1
9:45-10:00	4	2		2	8	1		2
HOURLY TOTAL					21	HOURLY TOTAL		19
10:00-10:15	1				1	2		1
10:15-10:30				4	4	6		1
10:30-10:45	1	1	1		3	7	1	1
10:45-11:00	2				2	4		
HOURLY TOTAL					10	HOURLY TOTAL		23
11:00-11:15		1	1		2			1
11:15-11:30				1	1			
11:30-11:45			3	1	4	5		
11:45-12:00	3	1		1	5	3		1
HOURLY TOTAL					12	HOURLY TOTAL		10
12:00-12:15	3				3	1		3
12:15-12:30		1			1	2		1
12:30-12:45	2		2		4	3	1	
12:45-1:00	1				1	4		
HOURLY TOTAL					9	HOURLY TOTAL		15
1:00-1:15		2	1	3	6	3		
1:15-1:30						3		1
1:30-1:45		5			5	2		
1:45-2:00	3			2	5	8		
HOURLY TOTAL					16	HOURLY TOTAL		17
				TOTAL	99		TOTAL	134

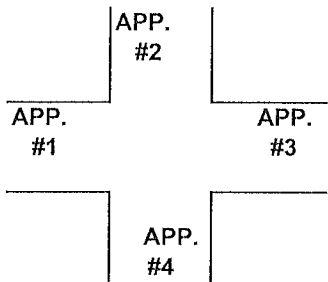
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COUNT LOCATION: CSAH 116 (Bunker Lake Blvd.)
@ Sycamore St.

DATE: 07/30/2013

APP. #1 = CSAH 116
APP. #2 = Sycamore St.
APP. #3 = CSAH 116
APP. #4 = Sycamore St.



HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT

A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE.

B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.

C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS					HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS
2:00-2:15PM			4		4	1		
2:15-2:30	1		2		3	4		2
2:30-2:45			3		3	7		2
2:45-3:00	1		1		2	2		1
HOURLY TOTAL					12	HOURLY TOTAL		19
3:00-3:15	2	5	7		14	2	1	6
3:15-3:30	2	1			3	5		
3:30-3:45	2	2	4	4	12	6		
3:45-4:00	1		1		2	4		
HOURLY TOTAL					31	HOURLY TOTAL		24
4:00-4:15	2	2	7		11	2		
4:15-4:30	7	1	1		9	2		
4:30-4:45	1				1	2		
4:45-5:00	4	2	2		8	2		
HOURLY TOTAL					29	HOURLY TOTAL		8
5:00-5:15			7		7			
5:15-5:30	5	1	5		11	1		
5:30-5:45			5		5	2		
5:45-6:00	1	1	7		9	1	1	
HOURLY TOTAL					32	HOURLY TOTAL		5
6:00-6:15	1	3	11		15	3		1
6:15-6:30	3	5	4		12	1		1
6:30-6:45		1			1			
6:45-7:00			8	1	9	1		
HOURLY TOTAL					37	HOURLY TOTAL		7
7:00-7:15	4	4	6		14			
7:15-7:30		3	4		7			1
7:30-7:45	2	10	5	1	18	2		
7:45-8:00		8	7	2	17			
HOURLY TOTAL					56	HOURLY TOTAL		3
8:00-8:15			2		2	1		
8:15-8:30	1	3	4	2	10	1		1
8:30-8:45				1	1			
8:45-9:00		2	4	2	8			
HOURLY TOTAL					21	HOURLY TOTAL		3
9:00-9:15	3				3			
9:15-9:30	2		4	1	7			
9:30-9:45								
9:45-10:00								
HOURLY TOTAL					10	HOURLY TOTAL		3
					TOTAL		TOTAL	203
					327			

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