

Date : 06/11/14

Count Number : TMC1410

Location : CSAH 116 (Bunker Lake Blvd.)

@ Rose Street

Collection Period : 6 AM - 10 PM

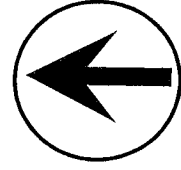
Rose Street

2962

#2

1374	884	T
155		F
335		D

1588



North

CSAH 116

10134

#1

20892

10758	C
860	B
9261	A
637	

CSAH 116

603	G
9048	H
507	J

#3

20584

10426

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

751	M
125	L
281	K
1157	

1299

#4

2456

Rose Street

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 06/11/14

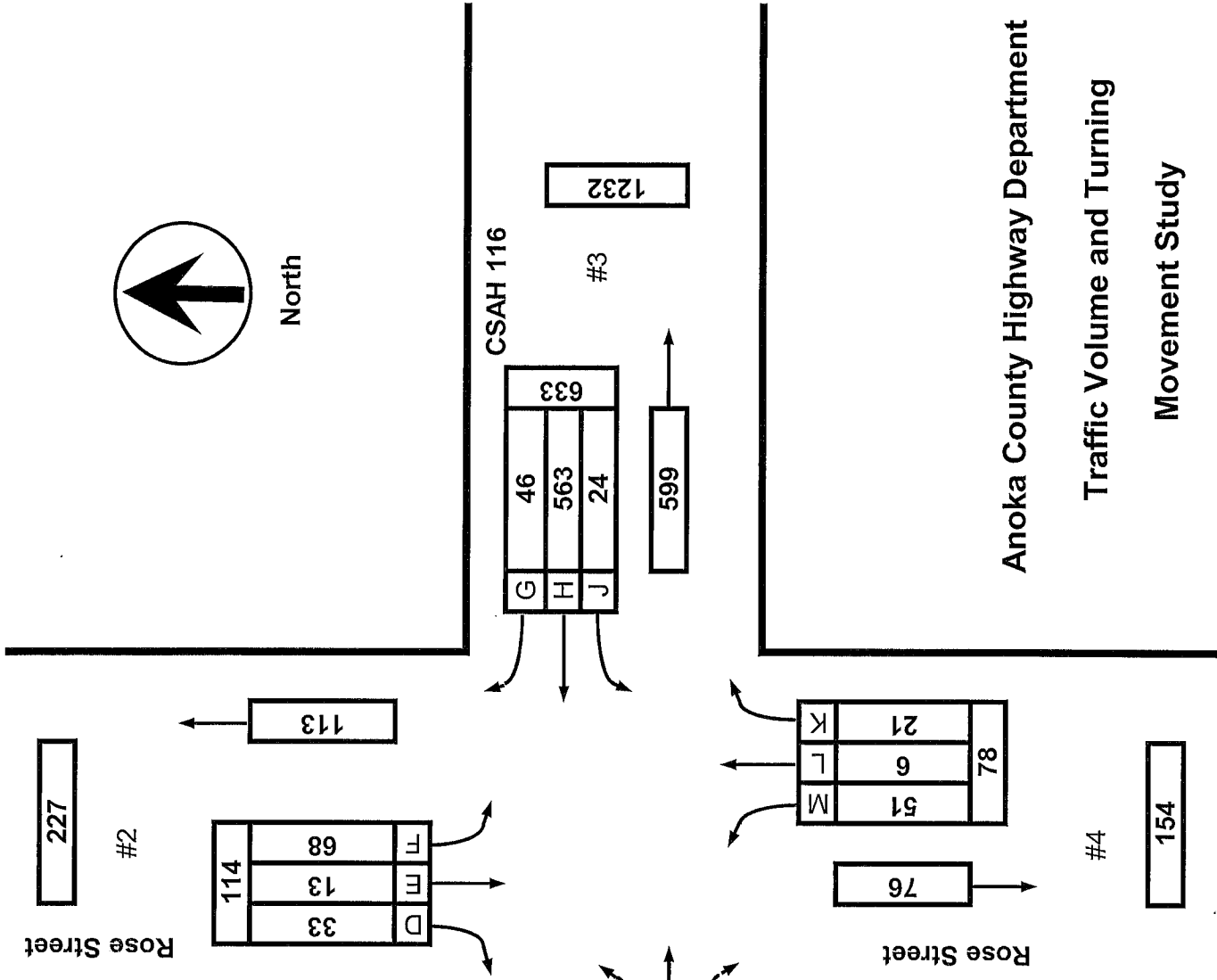
Count Number : TMC1410

Location : CSAH 116 (Bunker Lake Blvd.)

@ Rose Street

Collection Period : AM PEAK

Hour : 10:45 - 11:45 AM



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 06/12/14

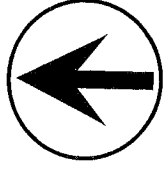
Count Number : TMC1410

Location : CSAH 116 (Bunker Lake Blvd.)

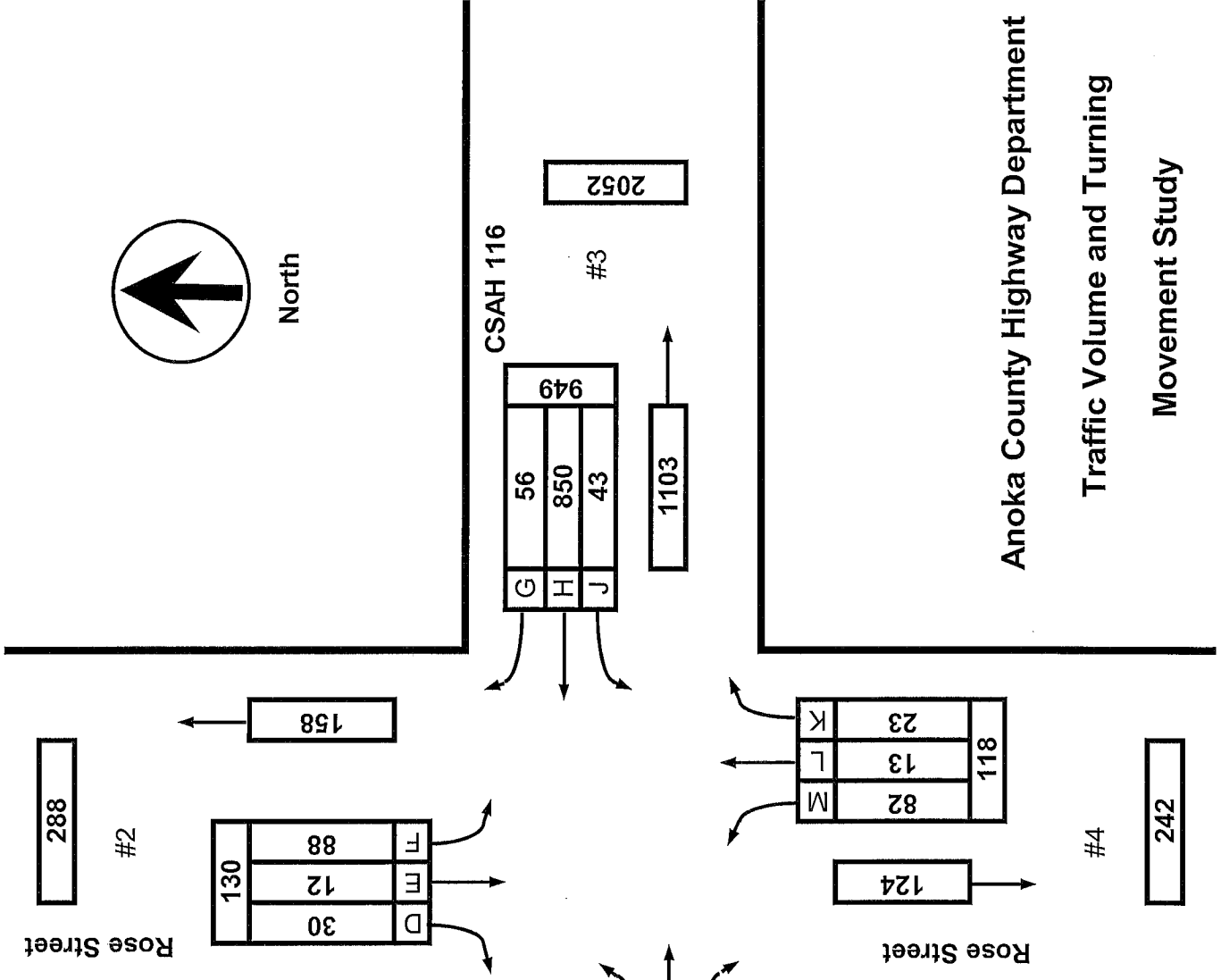
@ Rose Street

Collection Period : PM PEAK

Hour : 4:30 - 5:30 PM



North



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

Default Comments
 Weather: Warm & Cloudy
 Counter: DB-400
 Study Conducted By: Steven & Jack

File Name : TMC 1410
 Site Code : 14100202
 Start Date : 06/11/2014
 Page No : 1

Groups Printed- Unshifted

Start Time	Rose St. Southbound					CSAH 116 Westbound					Rose 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	8	0	0	0	8	3	66	3	1	72	5	0	0	1	5	2	53	1	7	56	9	141	150
06:15	1	0	3	0	4	4	118	2	3	124	8	0	0	0	8	6	71	4	2	81	5	217	222
06:30	9	0	4	1	13	3	130	8	2	141	2	1	2	0	5	3	94	4	4	101	7	260	267
06:45	8	0	1	0	9	6	108	3	5	117	5	0	0	0	5	3	94	1	4	98	9	229	238
Total	26	0	8	1	34	16	422	16	11	454	20	1	2	1	23	14	312	10	17	336	30	847	877
07:00	5	1	3	0	9	7	110	2	5	119	7	4	0	1	11	4	118	9	8	131	14	270	284
07:15	13	0	2	1	15	8	154	5	6	167	12	2	1	0	15	5	114	15	1	134	8	331	339
07:30	10	0	3	0	13	8	169	11	5	188	11	1	8	0	20	4	149	8	3	161	8	382	390
07:45	6	1	3	0	10	8	141	8	3	157	6	0	1	0	7	8	108	10	4	126	7	300	307
Total	34	2	11	1	47	31	574	26	19	631	36	7	10	1	53	21	489	42	16	552	37	1283	1320
08:00	2	1	4	1	7	8	137	8	8	153	8	1	3	0	12	9	93	4	3	106	12	278	290
08:15	5	4	0	1	9	13	116	7	3	136	10	1	7	0	18	6	85	11	2	102	6	265	271
08:30	6	3	3	0	12	14	104	10	4	128	7	0	2	0	9	13	102	10	2	125	6	274	280
08:45	9	7	7	0	23	14	89	10	6	113	8	2	4	0	14	15	90	10	7	115	13	265	278
Total	22	15	14	2	51	49	446	35	21	530	33	4	16	0	53	43	370	35	14	448	37	1082	1119
09:00	13	1	3	0	17	13	102	7	6	122	13	2	6	0	21	14	104	5	4	123	10	283	293
09:15	14	4	6	0	24	9	106	12	0	127	14	6	4	0	24	16	88	2	4	106	4	281	285
09:30	9	2	15	0	26	6	120	17	3	143	5	1	6	0	12	15	122	4	3	141	6	322	328
09:45	13	1	8	0	22	17	121	15	3	153	12	2	3	0	17	18	111	13	7	142	10	334	344
Total	49	8	32	0	89	45	449	51	12	545	44	11	19	0	74	63	425	24	18	512	30	1220	1250
10:00	12	4	8	0	24	11	136	13	4	160	9	1	9	0	19	21	92	10	7	123	11	326	337
10:15	10	1	6	0	17	8	131	11	5	150	13	3	9	0	25	17	116	9	4	142	9	334	343
10:30	10	2	9	0	21	7	120	7	2	134	10	1	4	0	15	18	117	6	4	141	6	311	317
10:45	18	4	7	0	29	2	126	5	8	133	16	0	3	0	19	16	128	12	4	156	12	337	349
Total	50	11	30	0	91	28	513	36	19	577	48	5	25	0	78	72	453	37	19	562	38	1308	1346
11:00	9	5	9	0	23	7	157	9	7	173	9	2	5	0	16	12	106	9	2	127	9	339	348
11:15	22	2	7	0	31	11	136	18	2	165	11	4	5	0	20	17	157	4	11	178	13	394	407
11:30	19	2	10	0	31	4	144	14	11	162	15	0	8	0	23	16	119	14	4	149	15	365	380
11:45	10	0	7	0	17	8	129	12	7	149	17	0	4	0	21	11	127	11	3	149	10	336	346
Total	60	9	33	0	102	30	566	53	27	649	52	6	22	0	80	56	509	38	20	603	47	1434	1481
12:00	13	1	5	0	19	8	133	22	3	163	9	2	3	0	14	23	145	9	12	177	15	373	388
12:15	22	1	5	1	28	10	142	8	5	160	14	1	1	0	16	24	192	12	8	228	14	432	446
12:30	18	0	10	1	28	5	183	22	7	210	15	2	1	0	18	20	120	7	5	147	13	403	416
12:45	15	1	5	0	21	14	139	9	6	162	10	1	2	0	13	21	144	10	5	175	11	371	382
Total	68	3	25	2	96	37	597	61	21	695	48	6	7	0	61	88	601	38	30	727	53	1579	1632
13:00	10	7	5	1	22	8	129	10	8	147	11	3	4	0	18	24	126	11	5	161	14	348	362
13:15	22	5	8	0	35	4	129	6	4	139	16	5	6	2	27	17	143	9	4	169	10	370	380
13:30	25	1	14	0	40	6	137	7	2	150	8	0	2	1	10	28	157	7	3	192	6	392	398
13:45	18	2	4	1	24	6	108	4	4	118	9	0	3	1	12	22	131	10	5	163	11	317	328
Total	75	15	31	2	121	24	503	27	18	554	44	8	15	4	67	91	557	37	17	685	41	1427	1468
14:00	22	2	3	1	27	3	142	10	8	155	12	1	3	0	16	16	143	10	9	169	18	367	385
14:15	24	6	8	1	38	8	127	14	5	149	9	2	2	0	13	23	164	12	7	199	13	399	412
14:30	12	3	9	0	24	6	147	13	13	166	9	1	2	1	12	15	139	10	4	164	18	366	384
14:45	20	1	4	0	25	12	174	10	7	196	14	1	3	0	18	14	157	11	8	182	15	421	436
Total	78	12	24	2	114	29	590	47	33	666	44	5	10	1	59	68	603	43	28	714	64	1553	1617
15:00	11	3	8	1	22	6	163	6	7	175	9	2	6	0	17	17	178	10	3	205	11	419	430
15:15	25	1	6	0	32	12	141	6	10	159	10	0	2	0	12	18	212	13	3	243	13	446	459
15:30	25	3	8	0	36	5	186	6	7	197	15	0	4	1	19	16	234	18	5	268	13	520	533
15:45	17	6	3	0	26	21	219	34	3	274	15	2	5	1	22	25	222	16	6	263	10	585	595
Total	78	13	25	1	116	44	709	52	27	805	49	4	17	2	70	76	846	57	17	979	47	1970	2017
16:00	20	9	6	1	35	3	241	9	7	253	25	0	8	0	33	9	197	18	4	224	12	545	557
16:15	20	4	12	0	36	6	187	11	2	204	15	0	5	1	20	20	223	16	9	259	12	519	531
16:30	16	0	6	0	22	9	240	16	4	265	24	4	11	0	39	23	246	17	8	266	12	612	624
16:45	21	6	13	1	40	13	205	12	8	230	20	6	4	0	30	26	224	13	5	263	14	563	577
Total	77	19	37	2	133	31	873	48	21	952	84	10	28	1	122	78	890	64	26	1032	50	2239	2289
17:00	19	4	7	0	30	7	193	19	5	219	19	2	3	0	24	20	271	21	3	312	8	585	593
17:15	32	2	4	0	38	14	212	9	0	235	19	1	5	0	25	20	251	18	2	289	2	587	589
17:30	24	1	7	0	32	16	196	19	1	231	16	29	10	0	55	16	208	14	0	238	1	556	557



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Default Comments
 Weather: Warm & Cloudy
 Counter: DB-400
 Study Conducted By: Steven & Jack

File Name : TMC 1410
 Site Code : 14100202
 Start Date : 06/11/2014
 Page No : 2

Groups Printed- Unshifted

Start Time	Rose St. Southbound					CSAH 116 Westbound					Rose 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			
17:45	21	3	8	0	32	9	202	10	1	221	18	1	10	0	29	18	211	16	1	245	2	527	529
Total	96	10	26	0	132	46	803	57	7	906	72	33	28	0	133	74	941	69	6	1084	13	2255	2268
18:00	9	2	6	0	17	14	214	5	6	233	13	5	5	0	23	13	189	21	3	223	9	496	505
18:15	15	2	8	0	25	14	182	5	4	201	19	3	2	1	24	16	198	14	3	228	8	478	486
18:30	11	0	2	0	13	12	160	1	2	173	11	2	5	0	18	10	190	15	2	215	4	419	423
18:45	13	1	0	0	14	4	136	10	0	150	12	2	3	0	17	5	178	11	0	194	0	375	375
Total	48	5	16	0	69	44	692	21	12	757	55	12	15	1	82	44	755	61	8	860	21	1768	1789
19:00	17	3	4	0	24	7	157	11	5	175	21	1	3	0	25	12	167	12	1	191	6	415	421
19:15	8	13	5	0	26	6	147	9	0	162	16	0	11	0	27	4	137	8	1	149	1	364	365
19:30	18	1	0	0	19	3	98	7	0	108	5	0	4	0	9	16	141	9	2	166	2	302	304
19:45	13	4	1	0	18	7	100	3	0	110	11	0	9	0	20	6	132	6	0	144	0	292	292
Total	56	21	10	0	87	23	502	30	5	555	53	1	27	0	81	38	577	35	4	650	9	1373	1382
20:00	14	0	6	0	20	7	140	6	1	153	9	3	12	0	24	5	157	1	1	163	2	360	362
20:15	16	2	4	0	22	5	107	9	0	121	20	1	9	0	30	7	136	11	0	154	0	327	327
20:30	8	2	0	0	10	4	159	8	1	171	11	2	5	0	18	6	176	14	2	196	3	395	398
20:45	7	0	1	0	8	3	109	6	2	118	10	0	5	0	15	2	134	2	1	138	3	279	282
Total	45	4	11	0	60	19	515	29	4	563	50	6	31	0	87	20	603	28	4	651	8	1361	1369
21:00	10	1	0	0	11	4	117	7	0	128	8	2	2	0	12	4	125	6	0	135	0	286	286
21:15	8	7	1	0	16	5	80	1	0	86	6	0	4	0	10	5	87	5	1	97	1	209	210
21:30	3	0	0	0	3	2	57	2	0	61	3	0	0	0	3	4	84	3	0	91	0	158	158
21:45	1	0	1	0	2	0	40	4	1	44	2	4	3	0	9	1	34	5	0	40	1	95	96
Total	22	8	2	0	32	11	294	14	1	319	19	6	9	0	34	14	330	19	1	363	2	748	750
Grand Total	884	155	335	13	1374	507	9048	603	258	10158	751	125	281	11	1157	860	9261	637	245	10758	527	23447	23974
Apprch %	64.3	11.3	24.4			5	89.1	5.9			64.9	10.8	24.3			8	86.1	5.9					
Total %	3.8	0.7	1.4		5.9	2.2	38.6	2.6		43.3	3.2	0.5	1.2		4.9	3.7	39.5	2.7		45.9	2.2	97.8	

Start Time	Rose St. Southbound				CSAH 116 Westbound				Rose 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 10:45																	
10:45	18	4	7	29	2	126	5	133	16	0	3	19	16	128	12	156	337
11:00	9	5	9	23	7	157	9	173	9	2	5	16	12	106	9	127	339
11:15	22	2	7	31	11	136	18	165	11	4	5	20	17	157	4	178	394
11:30	19	2	10	31	4	144	14	162	15	0	8	23	16	119	14	149	365
Total Volume	68	13	33	114	24	563	46	633	51	6	21	78	61	510	39	610	1435
% App. Total	59.6	11.4	28.9		3.8	88.9	7.3		65.4	7.7	26.9		10	83.6	6.4		
PHF	.773	.650	.825	.919	.545	.896	.639	.915	.797	.375	.656	.848	.897	.812	.696	.857	.911

Peak Hour Analysis From 12:00 to 21:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	16	0	6	22	9	240	16	265	24	4	11	39	23	246	17	286	612
16:45	21	6	13	40	13	205	12	230	20	6	4	30	26	224	13	263	563
17:00	19	4	7	30	7	193	19	219	19	2	3	24	20	271	21	312	585
17:15	32	2	4	38	14	212	9	235	19	1	5	25	20	251	18	289	587
Total Volume	88	12	30	130	43	850	56	949	82	13	23	118	89	992	69	1150	2347
% App. Total	67.7	9.2	23.1		4.5	89.6	5.9		69.5	11	19.5		7.7	86.3	6		
PHF	.688	.500	.577	.813	.768	.885	.737	.895	.854	.542	.523	.756	.856	.915	.821	.921	.959



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

Study Name : TMC 1410
Study Date : 06/13/14
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 116

Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 10,758

Westbound: CSAH 116

Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 10,158

Minor Street Approaches

Northbound: Rose St.

Number of Lanes: 2

Total Approach Volume: 1,157

Southbound: Rose St.

Number of Lanes: 2

Total Approach Volume: 1,374

Warrant Summary (Rural values apply.)

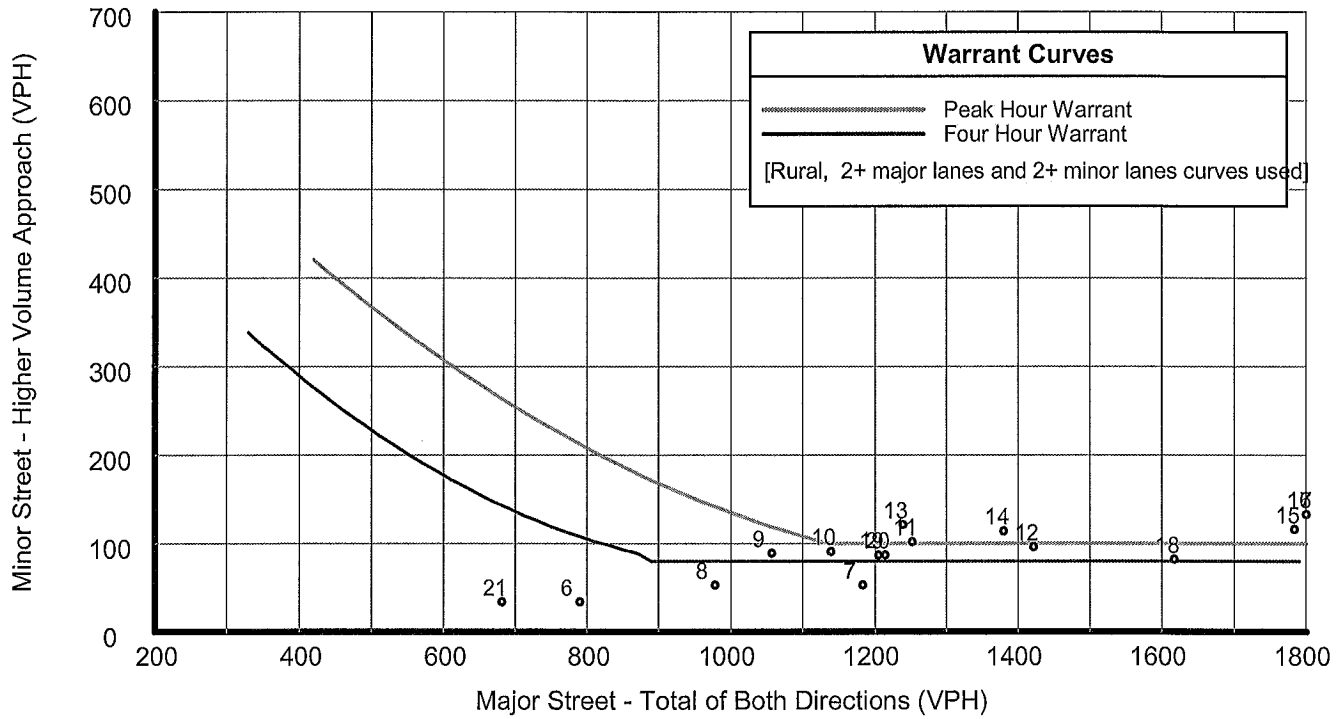
Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume	Not Satisfied
Required volumes reached for 1 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic	Satisfied
Required volumes reached for 12 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants	Not Satisfied
Required volumes reached for 6 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (12) 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 1410
Study Date : 06/13/14
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 140	Hour Begin	Major Total	Minor Vol	Dir	Maj 630	Min 70	Hour Begin	Major Total	Minor Vol	Dir	Maj 504	Min 112
16:45	2,017	140	SB	Yes	Yes	16:30	2,099	130	SB	Yes	Yes	15:45	2,028	119	SB	Yes	Yes
16:30	2,099	130	SB	Yes	No	15:30	1,942	133	SB	Yes	Yes	16:45	2,017	140	SB	Yes	Yes
16:15	2,038	128	SB	Yes	No	17:30	1,820	131	NB	Yes	Yes	14:45	1,625	115	SB	Yes	Yes
15:45	2,028	119	SB	Yes	No	14:30	1,490	103	SB	Yes	Yes	12:45	1,295	118	SB	Yes	Yes
16:00	1,984	133	SB	Yes	No	18:30	1,409	87	NB	Yes	Yes	13:45	1,283	113	SB	Yes	Yes
15:30	1,942	133	SB	Yes	No	11:30	1,337	95	SB	Yes	Yes	10:45	1,243	114	SB	Yes	Yes
15:15	1,881	129	SB	Yes	No	12:30	1,310	106	SB	Yes	Yes	17:45	1,739	94	NB	Yes	No
15:00	1,784	116	SB	Yes	No	13:30	1,295	129	SB	Yes	Yes	18:00	1,617	82	NB	Yes	No
17:45	1,739	94	NB	Yes	No	10:30	1,207	104	SB	Yes	Yes	18:15	1,527	84	NB	Yes	No
14:45	1,625	115	SB	Yes	No	09:30	1,154	89	SB	Yes	Yes	12:00	1,422	96	SB	Yes	No
18:00	1,617	82	NB	Yes	No	19:30	1,119	83	NB	Yes	Yes	18:30	1,409	87	NB	Yes	No
18:15	1,527	84	NB	Yes	No	08:30	959	76	SB	Yes	Yes	12:15	1,390	99	SB	Yes	No
14:30	1,490	103	SB	Yes	No	07:15	1,192	54	NB	Yes	No	11:45	1,383	92	SB	Yes	No
14:15	1,436	109	SB	Yes	No	07:00	1,183	53	NB	Yes	No	12:30	1,310	106	SB	Yes	No
12:00	1,422	96	SB	Yes	No	07:30	1,129	57	NB	Yes	No	18:45	1,295	83	SB	Yes	No
18:30	1,409	87	NB	Yes	No	06:45	1,115	51	NB	Yes	No	20:00	1,214	87	NB	Yes	No
12:15	1,390	99	SB	Yes	No	20:30	1,069	55	NB	Yes	No	19:45	1,212	92	NB	Yes	No
11:45	1,383	92	SB	Yes	No	07:45	1,033	46	NB	Yes	No	10:30	1,207	104	SB	Yes	No
14:00	1,380	114	SB	Yes	No	06:30	1,008	46	SB	Yes	No	19:00	1,205	87	SB	Yes	No
11:30	1,337	95	SB	Yes	No	08:00	978	53	NB	Yes	No	07:15	1,192	54	NB	Yes	No
12:30	1,310	106	SB	Yes	No	08:15	964	62	NB	Yes	No	07:00	1,183	53	NB	Yes	No
18:45	1,295	83	SB	Yes	No	06:15	912	35	SB	Yes	No	20:15	1,161	75	NB	Yes	No
13:30	1,295	129	SB	Yes	No	20:45	854	40	NB	Yes	No	10:15	1,156	90	SB	Yes	No
12:45	1,295	118	SB	Yes	No	06:00	790	34	SB	Yes	No	19:15	1,155	83	SB	Yes	No



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

Study Name : TMC 1410
Study Date : 06/13/14
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: CSAH 116
Total Approach Volume: 10,758
85% Speed > 40 MPH.

Westbound: CSAH 116
Total Approach Volume: 10,158
85% Speed > 40 MPH.

Minor Street Approaches

Northbound: Rose St.
Total Approach Volume: 1,157

Southbound: Rose St.
Total Approach Volume: 1,374

Warrant Summary

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

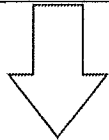
Criteria B - Crash Experience **Not Evaluated**

Criteria C - Minimum Volumes and Delays **Satisfied**
Delay data not evaluated
Required volumes reached for 12 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?
08:30 - 09:30	959	144	210-Yes	140-Yes	Both	240-Yes	160-No	Major
09:30 - 10:30	1,154	162	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
10:30 - 11:30	1,207	174	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
11:30 - 12:30	1,337	169	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
12:30 - 13:30	1,310	182	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
13:30 - 14:30	1,295	180	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
14:30 - 15:30	1,490	162	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
15:30 - 16:30	1,942	227	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
16:30 - 17:30	2,099	248	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
17:30 - 18:30	1,820	237	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
18:30 - 19:30	1,409	164	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
19:30 - 20:30	1,119	162	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
05:30 - 06:30	333	25	210-Yes	140-No	Major	240-Yes	160-No	Major
05:45 - 06:45	575	43	210-Yes	140-No	Major	240-Yes	160-No	Major
06:00 - 07:00	790	57	210-Yes	140-No	Major	240-Yes	160-No	Major
06:15 - 07:15	912	64	210-Yes	140-No	Major	240-Yes	160-No	Major
06:30 - 07:30	1,008	82	210-Yes	140-No	Major	240-Yes	160-No	Major
06:45 - 07:45	1,115	97	210-Yes	140-No	Major	240-Yes	160-No	Major
07:00 - 08:00	1,183	100	210-Yes	140-No	Major	240-Yes	160-No	Major
07:15 - 08:15	1,192	99	210-Yes	140-No	Major	240-Yes	160-No	Major
07:30 - 08:30	1,129	96	210-Yes	140-No	Major	240-Yes	160-No	Major
07:45 - 08:45	1,033	84	210-Yes	140-No	Major	240-Yes	160-No	Major
08:00 - 09:00	978	104	210-Yes	140-No	Major	240-Yes	160-No	Major
08:15 - 09:15	964	123	210-Yes	140-No	Major	240-Yes	160-No	Major



COUNT LOCATION:

CSAH 116 (Bunker Lake Blvd.)

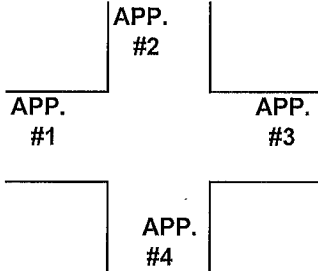
DATE:

06/11/2014

@ Rose Street

NORTH

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

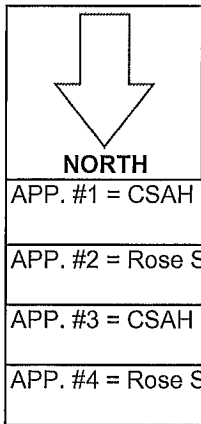


HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT

- 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.

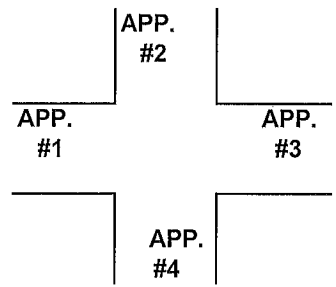
TIME	PEDESTRIANS					HEAVY VEHICLES			
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS	
6:00-6:15AM	1				1	8			
6:15-6:30						5		1	
6:30-6:45			1		1	5		1	
6:45-7:00				1	1	8		1	
HOURLY TOTAL						3	HOURLY TOTAL 29		
7:00-7:15						8	1	3	
7:15-7:30						7			
7:30-7:45			2		2	8		1	
7:45-8:00	1		2		3	10			
HOURLY TOTAL						5	HOURLY TOTAL 38		
8:00-8:15						10		1	
8:15-8:30			1		1	5		1	
8:30-8:45	1	2			3	5		1	
8:45-9:00						11		1	
HOURLY TOTAL						4	HOURLY TOTAL 35		
9:00-9:15						8			
9:15-9:30		1		1	2	5			
9:30-9:45	2	1			3	7		1	
9:45-10:00	1	1			2	10			
HOURLY TOTAL						7	HOURLY TOTAL 31		
10:00-10:15	1	2		1	4	8		1	
10:15-10:30		1			1	9			
10:30-10:45		1			1	6			
10:45-11:00		1			1	12			
HOURLY TOTAL						7	HOURLY TOTAL 36		
11:00-11:15						8		1	
11:15-11:30			2	1	3	8	2		
11:30-11:45			1		1	14		1	
11:45-12:00	1				1	11			
HOURLY TOTAL						5	HOURLY TOTAL 45		
12:00-12:15			1		1	14		1	
12:15-12:30						12	2		
12:30-12:45		1	1	2	4	13			
12:45-1:00		1		1	2	9		2	
HOURLY TOTAL						7	HOURLY TOTAL 53		
1:00-1:15						15			
1:15-1:30						8			
1:30-1:45						3		2	
1:45-2:00	1		1		2	10	1		
HOURLY TOTAL						2	HOURLY TOTAL 39		
					TOTAL 40	TOTAL 306			

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COUNT LOCATION: CSAH 116 (Bunker Lake Blvd.)
@ Rose Street

DATE: 06/12/2014



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	1				1	8		10
2:15-2:30						7		6
2:30-2:45						9		8
2:45-3:00		2	1		3	12		3
HOURLY TOTAL					4	HOURLY TOTAL		63
3:00-3:15			1		1	8		3
3:15-3:30		1			1	6		6
3:30-3:45						5		7
3:45-4:00			1	1	2	3		6
HOURLY TOTAL					4	HOURLY TOTAL		44
4:00-4:15			3		3	4		8
4:15-4:30			1		1	6		7
4:30-4:45		5			5	4		5
4:45-5:00			3		3	11		2
HOURLY TOTAL					12	HOURLY TOTAL		47
5:00-5:15		1	2		3	3	1	3
5:15-5:30	1		1		2	2		
5:30-5:45		1	2		3	1		
5:45-6:00			1	1	2	1		
HOURLY TOTAL					10	HOURLY TOTAL		11
6:00-6:15	1		1	1	3	9		
6:15-6:30				3	3	6		
6:30-6:45				1	1	4		
6:45-7:00								
HOURLY TOTAL					7	HOURLY TOTAL		19
7:00-7:15			3	3	6	3		3
7:15-7:30			1	1	2	1		
7:30-7:45	1		1	1	3	2		
7:45-8:00			1		1			
HOURLY TOTAL					12	HOURLY TOTAL		9
8:00-8:15	1		1	5	7	2		
8:15-8:30			1	1	2	2		1
8:30-8:45		1	1		2			
8:45-9:00			3		3	1		1
HOURLY TOTAL					14	HOURLY TOTAL		7
9:00-9:15								
9:15-9:30				1	1	1		
9:30-9:45								
9:45-10:00			1		1	1		
HOURLY TOTAL					2	HOURLY TOTAL		2
TOTAL					105	TOTAL		508

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CSAH 116 @ Rose St.



Aerial Photo: Flown Spring 2011

