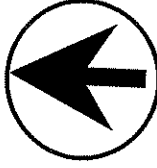


Date : 7/15/02

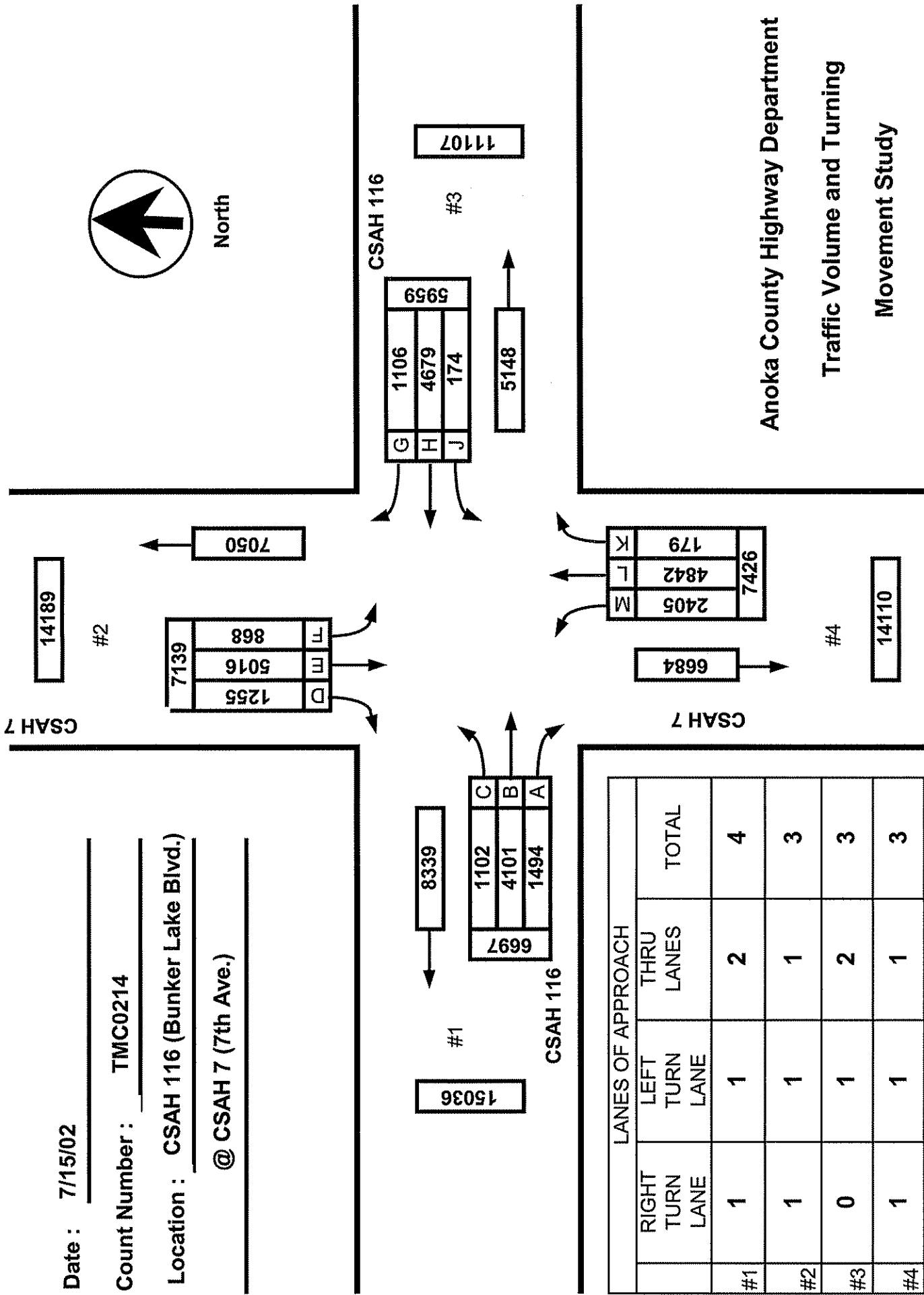
Count Number : TMC0214

Location : CSAH 116 (Bunker Lake Blvd.)

@ CSAH 7 (7th Ave.)



North



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

Anoka County Highway Department
Traffic Volume and Turning
Movement Study

Anoka County Highway Department
Traffic Engineering

Weather: Sunny, Warm
Counter TDC-8
Counted by: Melissa/Jessica

Traffic Volume and Turning Movement Stud

File Name : TMC 0214
Site Code : 02140101
Start Date : 07/15/2002
Page No : 1

Groups Printed- 1 - Unshifted

Start Time	CSAH 7 Southbound					CSAH 116 Westbound					CSAH 7 Northbound					CSAH 116 Eastbound					Exclu Total	Inclu Total	Int. Total
	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total			
08:00	4	170	23	4	197	0	24	4	0	28	9	11	1	0	21	5	41	26	3	72	7	318	325
06:15	14	213	24	3	251	1	29	5	2	35	5	18	4	0	27	8	69	37	11	114	16	427	443
06:30	14	175	26	7	215	0	38	8	7	46	18	29	0	6	47	3	67	43	8	113	28	421	449
06:45	23	209	36	7	268	1	75	5	6	81	20	28	3	4	51	8	75	35	4	118	21	518	539
Total	55	767	109	21	931	2	166	22	15	190	52	86	8	10	146	24	252	141	26	417	72	1684	1756
07:00	24	181	37	5	242	1	52	3	3	56	24	33	5	5	62	13	81	16	10	110	23	470	493
07:15	23	130	32	9	185	1	64	2	5	67	26	28	4	2	58	6	68	27	9	101	25	411	436
07:30	27	163	37	9	227	1	46	7	10	54	17	29	1	2	47	7	75	31	12	113	33	441	474
07:45	34	204	51	7	289	4	62	6	6	72	36	26	3	9	65	13	74	35	11	122	33	548	581
Total	108	678	157	30	943	7	224	18	24	249	103	116	13	18	232	39	298	109	42	446	114	1870	1984
08:00	17	171	39	8	227	1	65	7	15	73	25	17	1	1	43	8	72	34	8	114	32	457	489
08:15	16	135	28	8	179	3	44	12	5	59	20	22	3	3	45	13	60	23	10	96	26	379	405
08:30	14	135	21	13	170	3	45	9	9	57	26	23	3	2	52	7	54	23	7	84	31	363	394
08:45	20	93	29	4	142	1	71	8	13	80	34	27	5	4	66	11	62	25	13	98	34	386	420
Total	67	534	117	33	718	8	225	36	42	269	105	89	12	10	206	39	248	105	38	392	123	1585	1708
09:00	12	85	15	4	112	5	38	6	7	49	20	24	2	5	46	5	48	34	21	87	37	294	331
09:15	9	89	21	6	119	2	47	7	12	56	29	34	3	2	66	7	47	18	8	72	28	313	341
09:30	10	85	8	2	103	2	43	10	6	55	25	29	5	4	59	8	47	16	8	71	20	288	308
09:45	15	71	15	5	101	2	48	13	8	63	23	24	4	2	51	8	47	17	4	72	19	287	306
Total	46	330	59	17	435	11	176	36	33	223	97	111	14	13	222	28	189	85	41	302	104	1182	1286
10:00	13	86	18	12	117	3	42	8	8	53	18	46	3	1	67	8	56	12	7	76	28	313	341
10:15	17	69	20	6	106	5	67	16	9	88	35	28	1	1	64	15	60	17	12	92	28	350	378
10:30	8	59	13	5	80	4	51	8	10	63	28	37	2	3	67	11	46	21	3	78	21	288	309
10:45	18	66	12	3	96	6	57	21	5	84	33	36	4	2	73	12	41	23	7	76	17	329	346
Total	56	280	63	26	399	18	217	53	32	288	114	147	10	7	271	46	203	73	29	322	94	1280	1374
11:00	19	63	10	3	92	7	44	10	6	61	20	61	2	7	83	13	61	27	8	101	24	337	361
11:15	24	52	11	4	87	3	62	12	7	77	35	57	3	5	95	11	52	20	9	83	25	342	367
11:30	11	52	17	2	80	2	54	8	5	64	38	46	4	4	88	13	56	16	12	85	23	317	340
11:45	11	56	18	2	85	4	63	14	5	81	32	35	3	3	70	20	83	25	6	128	16	364	380
Total	65	223	56	11	344	16	223	44	23	283	125	199	12	19	336	57	252	88	35	397	88	1360	1448
12:00	9	47	8	6	64	6	74	21	8	101	26	51	4	4	81	30	79	30	8	139	26	385	411
12:15	14	63	13	6	90	0	69	13	7	82	35	62	0	6	97	19	69	32	4	120	23	389	412
12:30	15	58	16	5	89	4	66	20	10	90	42	65	5	6	112	18	59	15	13	92	34	383	417
12:45	17	77	18	6	112	2	71	14	4	87	36	65	2	11	103	23	56	34	7	113	28	415	443
Total	55	245	55	23	355	12	280	68	29	360	139	243	11	27	393	90	263	111	32	464	111	1572	1683
13:00	14	63	18	5	95	3	69	15	6	87	47	64	4	2	115	19	58	28	9	105	22	402	424
13:15	9	76	13	4	98	1	66	18	14	85	45	86	3	0	134	20	71	20	14	111	32	428	460
13:30	10	69	14	5	93	2	67	15	8	84	43	55	2	10	100	18	75	18	11	111	34	388	422
13:45	11	75	18	4	104	5	68	18	11	91	47	50	3	2	100	25	65	22	13	112	30	407	437
Total	44	283	63	18	390	11	270	66	39	347	182	255	12	14	449	82	269	88	47	439	118	1625	1743
14:00	14	60	10	3	84	0	62	6	0	68	35	44	0	2	79	14	50	24	0	88	5	319	324
14:15	14	65	18	4	97	2	91	20	7	113	34	92	6	4	132	6	65	31	9	102	24	444	468
14:30	12	68	28	9	108	3	55	19	6	77	33	73	5	1	111	17	70	38	5	125	21	421	442
14:45	11	75	26	1	112	6	61	13	4	80	41	108	2	3	151	18	49	21	7	88	15	431	446
Total	51	268	82	17	401	11	269	58	17	338	143	317	13	10	473	55	234	114	21	403	65	1615	1680
15:00	8	28	14	4	50	3	96	18	9	117	55	100	5	2	160	26	60	26	1	112	16	439	455
15:15	7	50	9	5	66	4	94	26	7	124	61	152	3	1	216	34	78	30	5	142	18	548	566
15:30	8	48	17	3	73	3	104	33	6	140	53	145	2	3	200	38	79	16	6	133	18	546	564
15:45	10	55	12	2	77	3	111	29	10	143	44	152	6	2	202	17	66	20	2	103	16	525	541
Total	33	181	52	14	266	13	405	106	32	524	213	549	16	8	778	115	283	92	14	490	68	2058	2126
16:00	13	43	12	3	68	3	128	26	12	157	60	173	3	4	236	25	81	21	3	127	22	588	610
16:15	9	54	19	5	82	4	120	33	4	157	64	191	1	6	256	36	102	22	4	160	19	655	674
16:30	19	54	20	3	93	6	124	27	3	157	67	174	1	1	242	39	94	35	5	168	12	660	672
16:45	16	56	22	5	94	1	122	37	3	160	90	179	3	6	272	27	82	17	2	126	16	652	668
Total	57	207	73	16	337	14	494	123	22	631	281	717	8	17	1006	127	359	95	14	581	69	2555	2624
17:00	15	70	23	6	108	1	149	32	3	182	88	192	1	3	281	30	68	24	5	122	17	693	710
17:15	13	49	23	1	85	0	191	24	7	215	102	180	3	3	285	45	115	25	2	185	13	770	783
17:30	16	62	22	3	100	3	150	40	5	193	53	142	3	1	198	30	86	26	4	142	13	633	646
17:45	21	64	14	2	99	9	182	37	9	198	60	165	2	2	227	27	87	28	3	142	16	666	682
Total	65	245	82	12	392	13	642	133	24	788	303	679	9	9	991	132	356	103	14	591	59	2762	2821

**Anoka County Highway Department
Traffic Engineering**

Weather: Sunny, Warm
Counter TDC-8

Traffic Volume and Turning Movement Stud

File Name : TMC 0214
Site Code : 02140101
Start Date : 07/15/2002
Page No : 2

Counted by: Melissa/Jessica

Groups Printed- 1 - Unshifted

Start Time	CSAH 7 Southbound					CSAH 116 Westbound					CSAH 7 Northbound					CSAH 116 Eastbound					Exclu Total	Inclu Total	Int. Total
	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total	Left	Thru	Rig ht	Hea vy	App. Total			
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0				
18:00	10	76	20	4	106	5	98	30	5	133	49	117	5	0	171	19	71	25	2	115	11	525	536
18:15	23	70	24	4	117	2	109	28	1	139	31	143	9	2	183	19	70	18	1	107	8	546	554
18:30	14	65	20	1	99	5	83	27	3	115	40	93	1	1	134	19	56	12	0	87	5	435	440
18:45	16	69	25	3	110	1	94	17	0	112	49	83	0	3	132	19	68	22	1	109	7	463	470
Total	63	280	89	12	432	13	384	102	9	499	169	436	15	6	620	76	265	77	4	418	31	1969	2000
19:00	11	61	16	3	88	1	80	17	0	98	32	102	0	1	134	12	69	22	0	103	4	423	427
19:15	10	53	18	3	81	3	61	31	1	95	31	92	3	0	126	13	46	13	1	72	5	374	379
19:30	8	65	15	1	88	0	65	24	1	89	36	63	3	0	102	16	52	17	2	85	4	364	368
19:45	12	45	21	7	78	6	58	21	0	85	21	93	3	0	117	13	52	17	1	82	8	362	370
Total	41	224	70	14	335	10	284	93	2	367	120	350	9	1	479	54	219	69	4	342	21	1523	1544
20:00	8	34	23	1	65	4	55	21	2	80	37	82	3	0	122	14	69	17	0	100	3	367	370
20:15	12	35	14	0	61	1	76	22	1	99	38	92	5	2	135	20	46	14	1	80	4	375	379
20:30	7	32	22	2	61	3	61	17	1	81	28	70	3	1	101	15	42	24	1	81	5	324	329
20:45	6	40	12	2	58	1	57	16	1	74	30	58	2	4	90	35	59	23	0	117	7	339	346
Total	33	141	71	5	245	9	249	76	5	334	133	302	13	7	448	84	216	78	2	378	19	1405	1424
21:00	8	35	15	1	58	2	45	15	0	62	35	65	0	5	100	20	48	18	1	86	7	306	313
21:15	5	33	14	2	52	3	55	20	1	78	38	60	1	3	99	13	45	15	1	73	7	302	309
21:30	12	30	15	3	57	1	48	22	2	71	28	63	3	0	94	11	50	16	0	77	5	299	304
21:45	4	32	13	0	49	0	43	15	0	58	25	58	0	1	83	10	52	17	0	79	1	269	270
Total	29	130	57	6	216	6	191	72	3	269	126	246	4	9	376	54	195	66	2	315	20	1176	1196
Grand Total	868	501	125	275	7139	174	467	110	351	5959	240	484	179	185	7426	110	410	149	365	6697	1176	2722	2839
Apprch %	12.	70.	17.			2.9	78.	18.			32.	65.	2.4			16.	61.	22.					
Total %	3.2	18.	4.6		26.2	0.6	17.	4.1		21.9	8.8	17.	0.7		27.3	4.0	15.	5.5		24.6	4.1	95.9	

Major Street Approaches:

Northbound:

CSAH 7

Data File: C:\Program Files\PC-Warrants\TMC0214.war
 Count Type: IMC. Channel: 0. Count Date: 7/15/ 2
 Number of Lanes: 2
 Approach Speed: 45
 Total Approach Traffic: 7426

Southbound:

CSAH 7

Data File: C:\Program Files\PC-Warrants\TMC0214.war
 Count Type: IMC. Channel: 0. Count Date: 7/15/ 2
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 7139

Minor Street Approaches:

Eastbound:

CSAH 116

Data File: C:\Program Files\PC-Warrants\TMC0214.war
 Count Type: IMC. Channel: 0. Count Date: 7/15/ 2
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 6697

Westbound:

CSAH 116

Data File: C:\Program Files\PC-Warrants\TMC0214.war
 Count Type: IMC. Channel: 0. Count Date: 7/15/ 2
 Number of Lanes: 2
 Approach Speed: 50
 Total Approach Traffic: 5959

Analysis of 8-Hour Volume Warrants (Criteria refers to high volume side street for that hour):

Hour	Main	Side	Warrant 1	Warrant 2	Warrant 8	
Begin (Total)	Vol.	Dir.	Rank	Meets? Criteria	Meets? Criteria	Meets? Criteria
0	0	0 W	17	140	70	112
1	0	0 W	18	140	70	112
2	0	0 W	19	140	70	112
3	0	0 W	20	140	70	112
4	0	0 W	21	140	70	112
5	0	0 W	22	140	70	112
6	1077	417 E	8	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
7	1175	446 E	6	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
8	924	392 E	11	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
9	657	302 E	16	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
10	670	322 E	14	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
11	680	397 E	10	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
12	748	464 E	5	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
13	839	439 E	7	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
14	874	403 E	9	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
15	1044	524 W	3	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
16	1343	631 W	2	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
17	1383	788 W	1	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
18	1052	499 W	4	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
19	814	367 W	13	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
20	693	378 E	12	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
21	592	315 E	15	--BOTH-- 140	SIDE 70	--BOTH-- 112
22	0	0 W	23	140	70	112
23	0	0 W	24	140	70	112

Warrant Summary:

Rural values apply.

high-volume minor approach is wide enough for two lanes. Re-striping may be desirable.

Warrant 1 - Minimum Vehicular Volumes

SATISFIED for 16 hours. Criteria--Main St.: 420; Side St.: See Volume Summary.

Warrant 2 - Interruption of Continuous Traffic

SATISFIED for 15 hours. Criteria--Main St.: 630; Side St.: See Volume Summary.

Warrant 3 - Minimum Pedestrian Volumes

NOT SATISFIED. Ped volumes too low. Criteria--190 Peds in peak hour, 100 peds in 4th high hour.

Warrant 4 - School Crossing

NOT APPLICABLE. Gap data has not been defined.

Warrant 5 - Progressive Movement

NOT SATISFIED. Adjacent signals closer than 1000 feet and/or not part of coordinated system.

Warrant 6 - Accident Experience

NOT SATISFIED. 0 correctable accidents is fewer than required 5.

Correctable Accidents: 0; Right Angle Accidents: 0; Left Turn Accidents: 0; Other Accidents: 0.

Warrant 7 - Systems Warrant

NOT SATISFIED. At least one street has no major approaches. Peak hour total entering volume: 2762.

- Approaches which are part of the principal through traffic roadway network.
- Approaches which include rural or suburban highways outside, entering or traversing a city.
- Approaches which appear as a major route in an official transportation plan.

Warrant 8 - Combination of Warrants

SATISFIED for 16 hours. Criteria--Main: 504; Side: See Volume Summary.

Warrant 9 - Four Hour Volumes

SATISFIED for 16 hours.

Warrant 10 - Peak Hour Delay

NOT APPLICABLE. Volume requirements satisfied, but side street peak hour delay not defined.

Criteria--Main St.: 800 (4 approaches), 650 (3 approaches); Side St.: 150.

Warrant 11 - Peak Hour Volume

SATISFIED for 16 hours.

Minor St. High Vol. Approach (UPH)

0 100 200 300 400 500 600

200

400

600

800

1000

1200

1400

1600

Major St. Total of Both Approaches (UPH)

Warrant 9, Four-Hour Volumes
Warrant 11, Peak-Hour Volumes

21
10

11
20

12

13

19

14

15
18

6

7

Multiway Stop Warrant Analysis
TMC 0214 CSAH 116 (BUNKER LAKE BLVD) @ CSAH 7
Speed Limit of Major Roadway..... 55

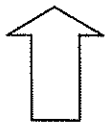
Minimum Traffic Volumes Multiway Stop Warrant Criteria:

- a) The total vehicular volume entering the intersection from all approaches must average at least 500 vehicles per hour (vph) for any 8 hours of an average day, AND:
- b) The combined vehicular and pedestrian volume from the minor street or highway must average at least 200 vph for the same 8 hours, with an average delay to minor street vehicular traffic of at least 30 seconds per vehicle during the maximum hour, BUT:
- c) When the 85-percentile approach speed of the major street traffic exceeds 40 miles per hour, the minimum volume warrant is 70% of the above requirements.

<u>Hour</u>	Total Vehicular Traffic Entering the Intersection	Vehicular Traffic Entering on First Minor Roadway	Vehicular Traffic Entering on Second Minor Roadway	Sum of Minor Approaches	Is Stop Warrant Met?
6 AM - 7 AM	1684	190	417	607	YES
7 AM - 8 AM	1870	249	446	695	YES
8 AM - 9 AM	1585	269	392	661	YES
9 AM - 10 AM	1182	223	302	525	YES
10 AM - 11 AM	1280	288	322	610	YES
11 AM - 12 PM	1360	283	397	680	YES
12 PM - 13 PM	1572	360	464	824	YES
1 PM - 2 PM	1625	347	439	786	YES
2 PM - 3 PM	1615	338	403	741	YES
3 PM - 4 PM	2058	524	490	1014	YES
4 PM - 5 PM	2555	631	581	1212	YES
5 PM - 6 PM	2762	788	591	1379	YES
6 PM - 7 PM	1969	499	418	917	YES
7 PM - 8 PM	1523	376	342	718	YES
8 PM - 9 PM	1405	334	378	712	YES
9 PM - 10 PM	1176	269	315	584	YES

TOTAL HOURS MET: 16

MULTIWAY STOP WARRANT IS MET



NORTH

APP. #1 = CSAH 116
APP. #2 = CSAH 7
APP. #3 = CSAH 116
APP. #4 = CSAH 7

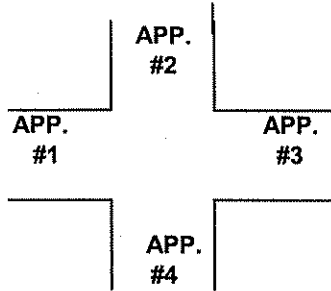
COUNT LOCATION:

CSAH 116 (BUNKER LAKE BLVD) @

DATE:

7/15/02

CSAH 7



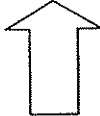
HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT

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						7		
6:15-6:30						13		
6:30-6:45						24	1	3
6:45-7:00						18		3
HOURLY TOTAL						HOURLY TOTAL		69
7:00-7:15						19		4
7:15-7:30						24		2
7:30-7:45		1			1	30		3
7:45-8:00		1			1	29		4
HOURLY TOTAL					2	HOURLY TOTAL		115
8:00-8:15						30		
8:15-8:30		1			1	25		
8:30-8:45						28		3
8:45-9:00						30		4
HOURLY TOTAL					1	HOURLY TOTAL		120
9:00-9:15			1		1	28		9
9:15-9:30						23	1	2
9:30-9:45						19		1
9:45-10:00						19		
HOURLY TOTAL					1	HOURLY TOTAL		102
10:00-10:15		1			1	28		
10:15-10:30	2	1			3	24	1	2
10:30-10:45						18		3
10:45-11:00						16		1
HOURLY TOTAL					4	HOURLY TOTAL		93
11:00-11:15	1				1	18		6
11:15-11:30						22		2
11:30-11:45						19	1	3
11:45-12:00						14		2
HOURLY TOTAL					1	HOURLY TOTAL		87
12:00-12:15						23	1	2
12:15-12:30		2			2	21		2
12:30-12:45				1	1	29		5
12:45-1:00						22		6
HOURLY TOTAL					3	HOURLY TOTAL		111
1:00-1:15						21		2
1:15-1:30			1		1	31		2
1:30-1:45						33		
1:45-2:00						30		
HOURLY TOTAL					1	HOURLY TOTAL		119



NORTH

COUNT LOCATION:

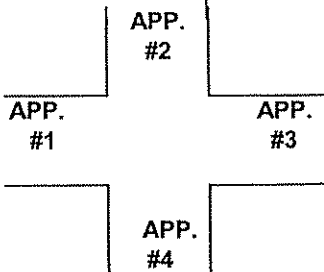
CSAH 116 (BUNKER LAKE BLVD) @

DATE:

7/15/02

CSAH 7

APP. #1 = CSAH 116
APP. #2 = CSAH 7
APP. #3 = CSAH 116
APP. #4 = CSAH 7



- 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						5		
2:15-2:30						24		
2:30-2:45						21		
2:45-3:00		1			1	15		
HOURLY TOTAL					1	HOURLY TOTAL		65
3:00-3:15						16		
3:15-3:30						19		
3:30-3:45						18		
3:45-4:00						16		
HOURLY TOTAL						HOURLY TOTAL		69
4:00-4:15						18	1	3
4:15-4:30			1		1	16	1	
4:30-4:45						8		
4:45-5:00						11		1
HOURLY TOTAL					1	HOURLY TOTAL		59
5:00-5:15						16		
5:15-5:30						13		1
5:30-5:45						12	1	
5:45-6:00		2			2	17		
HOURLY TOTAL					2	HOURLY TOTAL		60
6:00-6:15						12	1	
6:15-6:30						7		
6:30-6:45						7		
6:45-7:00						7		
HOURLY TOTAL						HOURLY TOTAL		34
7:00-7:15						3	1	
7:15-7:30						4	1	
7:30-7:45		3		1	4	4		
7:45-8:00				1	1	8		
HOURLY TOTAL					5	HOURLY TOTAL		21
8:00-8:15						3		
8:15-8:30	2				2	4		
8:30-8:45	1				1	4		
8:45-9:00	2	3		3	8	6		
HOURLY TOTAL					11	HOURLY TOTAL		17
9:00-9:15						6		
9:15-9:30						7		
9:30-9:45						5		
9:45-10:00						1		
HOURLY TOTAL						HOURLY TOTAL		19