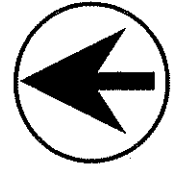


Date : 8/8/01

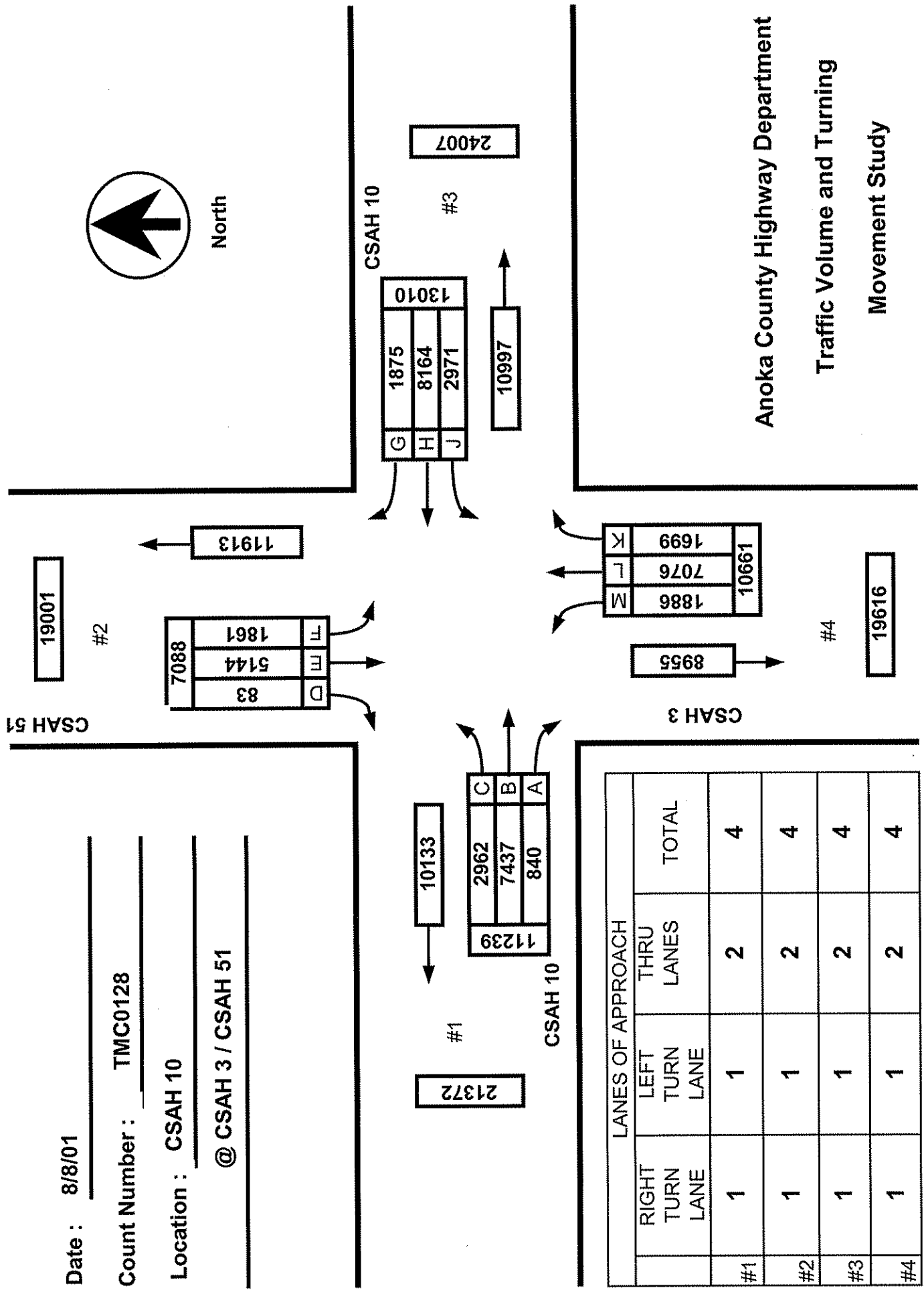
Count Number : TMC0128

Location : CSAH 10

@ CSAH 3 / CSAH 51



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

19001

#2

7088	D	E	F
83	5144	1861	11913

CSAH 10

#1

21372

CSAH 10

11239	A	B	C
840	7437	2962	10133

#3

1875	G	H	J
2971	8164	13010	24007

10997

CSAH 3

8955

10661	M	L	K
1886	7076	1699	19616

#4

19616

Anoka County Highway Department Traffic Engineering

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

Traffic Volume and Turning Movement Stud

File Name : TMC0128
Site Code : 01280202
Start Date : 08/08/2001
Page No : 1

Groups Printed- Unshifted

Start Time	CSAH 51 Southbound					CSAH 10 Westbound					CSAH 3 Northbound					CSAH 10 Eastbound					Exclu Total	Inclu. Total	Int. Total
	Left	Thru	Rght	Heavy	App. Total	Left	Thru	Rght	Heavy	App. Total	Left	Thru	Rght	Heavy	App. Total	Left	Thru	Rght	Heavy	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				
06:00	45	125	2	1	172	12	55	7	3	74	1	5	5	0	11	10	120	3	0	133	4	390	394
06:15	44	135	3	1	182	11	53	9	5	73	1	7	7	0	15	11	121	0	3	132	9	402	411
06:30	64	171	0	0	235	18	66	6	6	90	0	12	4	3	16	14	146	10	1	170	10	511	521
06:45	54	142	2	1	198	12	76	5	3	93	6	22	7	4	35	12	146	8	6	166	14	492	506
Total	207	573	7	3	787	53	250	27	17	330	8	46	23	7	77	47	533	21	10	601	37	1795	1832
07:00	45	145	10	0	200	23	66	6	1	95	3	25	5	1	33	8	156	3	5	167	7	495	502
07:15	48	119	0	0	167	16	78	5	2	99	0	16	7	0	23	12	200	4	6	216	8	505	513
07:30	58	120	0	1	178	19	95	8	1	122	2	24	9	1	35	30	150	21	3	201	6	536	542
07:45	43	118	0	3	161	18	100	5	4	123	3	26	9	2	38	32	195	5	5	232	14	554	568
Total	194	502	10	4	706	76	339	24	8	439	8	91	30	4	129	82	701	33	19	816	35	2090	2125
08:00	31	78	1	1	110	25	70	9	6	104	4	31	7	6	42	35	138	3	7	176	20	432	452
08:15	38	72	0	2	110	26	83	11	1	120	4	33	13	2	50	25	98	8	9	131	14	411	425
08:30	22	52	3	6	77	19	86	9	6	114	9	54	9	2	72	30	99	14	2	143	16	406	422
08:45	25	55	1	2	81	22	89	10	4	121	10	48	11	2	69	28	110	9	2	147	10	418	428
Total	116	257	5	11	378	92	328	39	17	459	27	166	40	12	233	118	445	34	20	597	60	1667	1727
09:00	26	56	0	2	82	25	95	13	5	133	13	55	9	3	77	30	102	11	5	143	15	435	450
09:15	25	53	2	1	80	28	92	12	6	132	12	58	20	4	90	35	100	8	5	143	16	445	461
09:30	28	65	1	2	94	35	89	14	4	138	15	62	18	2	95	32	95	12	7	139	15	466	481
09:45	29	62	0	3	91	39	95	11	7	145	18	64	21	6	103	35	97	15	6	147	22	486	508
Total	108	236	3	8	347	127	371	50	22	548	58	239	68	15	365	132	394	46	23	572	68	1832	1900
10:00	33	62	1	3	96	46	98	13	5	157	17	56	25	6	98	38	94	10	3	142	17	493	510
10:15	25	49	2	2	76	33	101	14	8	148	19	58	19	4	96	50	118	17	8	185	22	505	527
10:30	28	66	1	1	95	59	112	19	8	190	27	83	26	5	136	45	105	14	7	164	21	585	606
10:45	20	76	0	3	96	49	95	34	14	178	26	68	25	9	119	24	104	13	5	141	31	534	565
Total	106	253	4	9	363	187	406	80	35	673	89	265	95	24	449	157	421	54	23	632	91	2117	2208
11:00	23	54	0	3	77	52	121	10	5	183	15	83	31	6	129	53	113	11	8	177	22	566	588
11:15	11	66	2	2	79	64	129	21	8	214	38	98	32	3	168	49	99	21	3	169	16	630	646
11:30	23	66	2	0	91	52	85	24	4	161	38	104	25	2	167	68	129	21	7	218	13	637	650
11:45	29	88	0	3	117	67	136	27	3	230	34	123	25	1	182	46	128	11	4	185	11	714	725
Total	86	274	4	8	364	235	471	82	20	788	125	408	113	12	646	216	469	64	22	749	62	2547	2609
12:00	20	95	0	1	115	63	136	29	4	228	56	131	33	4	220	51	123	3	3	177	12	740	752
12:15	18	74	0	0	92	90	138	27	10	255	20	130	37	1	187	43	144	0	4	187	15	721	736
12:30	23	85	0	0	108	70	138	32	3	240	53	111	33	4	197	46	115	0	1	161	8	706	714
12:45	31	75	0	2	106	53	134	23	7	210	57	164	53	5	274	55	104	0	5	159	19	749	768
Total	92	329	0	3	421	276	546	111	24	933	186	536	156	14	878	195	486	3	13	684	54	2916	2970
13:00	34	74	4	1	112	71	134	31	6	236	46	107	36	5	189	58	140	3	5	201	17	738	755
13:15	28	72	1	2	101	41	145	23	4	209	34	144	34	3	212	66	117	7	4	190	13	712	725
13:30	25	72	4	3	101	51	134	27	8	212	48	122	31	4	201	59	123	18	4	200	19	714	733
13:45	35	75	3	4	113	55	145	32	7	232	50	135	35	5	220	65	135	16	6	216	22	781	803
Total	122	293	12	10	427	218	558	113	25	889	178	508	136	17	822	248	515	44	19	807	71	2945	3016
14:00	31	76	2	2	109	55	143	33	4	231	34	98	24	5	156	65	114	11	7	190	18	686	704
14:15	22	66	3	0	91	52	153	28	4	233	32	114	33	4	179	66	92	11	5	169	13	672	685
14:30	31	73	1	1	105	42	150	37	9	229	28	121	33	0	182	69	92	8	6	169	16	685	701
14:45	32	72	2	2	106	55	150	41	6	246	28	153	34	1	215	57	115	7	4	179	13	746	759
Total	116	287	8	5	411	204	596	139	23	939	122	486	124	10	732	257	413	37	22	707	60	2789	2849
15:00	35	77	1	2	113	50	161	47	6	258	40	171	33	2	244	61	144	7	7	212	17	827	844
15:15	25	72	4	5	101	57	182	45	9	284	40	150	31	1	221	43	130	10	8	183	23	789	812
15:30	22	102	4	2	128	72	184	49	5	305	35	211	34	1	280	56	170	25	6	251	14	964	978
15:45	30	90	1	0	121	43	210	58	12	311	33	158	38	3	229	78	129	22	2	229	17	890	907
Total	112	341	10	9	463	222	737	199	32	1158	148	690	136	7	974	238	573	64	23	875	71	3470	3541
16:00	18	66	0	2	84	61	204	62	4	327	35	173	48	5	256	85	147	3	5	235	16	902	918
16:15	26	116	1	0	143	51	257	97	5	405	40	179	25	1	244	80	158	16	3	254	9	1046	1055
16:30	17	79	0	1	96	62	225	81	10	368	39	232	27	2	298	87	151	19	6	257	19	1019	1038
16:45	39	101	0	3	140	65	227	65	3	357	30	184	23	1	237	66	148	13	7	227	14	961	975
Total	100	362	1	6	463	239	913	305	22	1457	144	788	123	9	1035	318	604	51	21	973	58	3928	3986
17:00	24	92	0	2	116	56	217	66	5	339	34	199	38	3	271	75	126	19	3	220	13	946	959
17:15	42	80	0	0	12																		

Anoka County Highway Department
Traffic Engineering

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

Traffic Volume and Turning Movement Stud

File Name : TMC0128
Site Code : 01280202
Start Date : 08/08/2001
Page No : 2

Groups Printed- Unshifted

Start Time	CSAH 51 Southbound					CSAH 10 Westbound					CSAH 3 Northbound					CSAH 10 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	21	91	1	3	113	63	178	43	7	284	33	187	55	6	275	59	114	26	2	199	18	871	889
18:15	38	76	0	0	114	67	146	46	2	259	35	140	33	0	208	52	111	31	0	194	2	775	777
18:30	32	90	1	0	123	65	155	40	3	260	36	128	31	3	195	49	98	19	1	166	7	744	751
18:45	26	105	0	1	131	66	136	27	1	229	51	174	21	0	246	48	103	16	1	167	3	773	776
Total	117	362	2	4	481	261	615	156	13	1032	155	629	140	9	924	208	426	92	4	726	30	3163	3193
19:00	24	95	1	0	120	48	114	40	1	202	37	144	27	1	208	52	93	16	0	161	2	691	693
19:15	28	92	4	1	124	55	146	33	3	234	28	121	36	1	185	52	94	21	2	167	7	710	717
19:30	22	84	1	1	107	46	96	28	1	170	53	128	33	1	214	38	94	26	0	158	3	649	652
19:45	20	76	2	0	98	44	113	34	2	191	45	137	31	0	213	55	79	20	0	154	2	656	658
Total	94	347	8	2	449	193	469	135	7	797	163	530	127	3	820	197	360	83	2	640	14	2706	2720
20:00	31	73	1	0	105	50	124	32	1	206	49	146	31	0	226	36	103	22	0	161	1	698	699
20:15	17	54	1	0	72	50	104	23	1	177	40	110	32	0	182	45	71	13	1	129	2	560	562
20:30	25	50	1	0	76	48	100	25	0	173	51	107	27	0	185	39	87	17	1	143	1	577	578
20:45	20	48	2	0	70	52	98	22	1	172	46	131	35	1	212	37	78	20	1	135	3	589	592
Total	93	225	5	0	323	200	426	102	3	728	186	494	125	1	805	157	339	72	3	568	7	2424	2431
21:00	22	42	0	1	64	45	99	20	0	164	37	122	32	0	191	29	75	16	0	120	1	539	540
21:15	17	45	1	0	63	38	95	17	1	150	39	105	30	1	174	41	80	14	0	135	2	522	524
21:30	18	38	0	0	56	35	96	18	0	149	42	111	25	0	178	32	72	17	1	121	1	504	505
21:45	16	35	1	0	52	36	85	22	0	143	40	98	26	0	164	28	69	13	0	110	0	469	469
Total	73	160	2	1	235	154	375	77	1	606	158	436	113	1	707	130	296	60	1	486	4	2034	2038
Grand Total	186	514	83	88	7088	297	816	187		1301	188	707	169		1066	296	743	840		1123	762	4199	4276
Apprch %	1	4				1	4	5	291	0	6	6	9	152	1	2	7	231		9		8	0
	26.	72.	1.2			22.	62.	14.			17.	66.	15.			26.	66.	7.5					
	3	6				8	8	4			7	4	9			4	2						
Total %	4.4	12.2	0.2		16.9	7.1	19.4	4.5		31.0	4.5	16.8	4.0		25.4	7.1	17.7	2.0		26.8	1.8	98.2	

for Street Approaches:

Eastbound:

CSAH 10

Data File: C:\Program Files\PCWarrants\TMC0128.war
 Count Type: IMC. Channel: 0. Count Date: 8/ 8/ 1
 Number of Lanes: 2
 Approach Speed: 45
 Total Approach Traffic: 11239

Westbound:

CSAH 10

Data File: C:\Program Files\PCWarrants\TMC0128.war
 Count Type: IMC. Channel: 0. Count Date: 8/ 8/ 1
 Number of Lanes: 2
 Approach Speed: 45
 Total Approach Traffic: 13010

Minor Street Approaches:

Northbound:

CSAH 3

Data File: C:\Program Files\PCWarrants\TMC0128.war
 Count Type: IMC. Channel: 0. Count Date: 8/ 8/ 1
 Number of Lanes: 2
 Approach Speed: 40
 Total Approach Traffic: 10661

Southbound:

CSAH 51

Data File: C:\Program Files\PCWarrants\TMC0128.war
 Count Type: IMC. Channel: 0. Count Date: 8/ 8/ 1
 Number of Lanes: 2
 Approach Speed: 40
 Total Approach Traffic: 7088

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	S	17		140		70		112
1	0	0	S	18		140		70		112
2	0	0	S	19		140		70		112
3	0	0	S	20		140		70		112
4	0	0	S	21		140		70		112
5	0	0	S	22		140		70		112
6	931	787	S	9	--BOTH--	140	--BOTH--	70	--BOTH--	112
7	1255	706	S	12	--BOTH--	140	--BOTH--	70	--BOTH--	112
8	1056	378	S	15	--BOTH--	140	--BOTH--	70	--BOTH--	112
9	1120	365	N	16	--BOTH--	140	--BOTH--	70	--BOTH--	112
10	1305	449	N	14	--BOTH--	140	--BOTH--	70	--BOTH--	112
11	1537	646	N	13	--BOTH--	140	--BOTH--	70	--BOTH--	112
12	1617	878	N	5	--BOTH--	140	--BOTH--	70	--BOTH--	112
13	1696	822	N	6	--BOTH--	140	--BOTH--	70	--BOTH--	112
14	1646	732	N	10	--BOTH--	140	--BOTH--	70	--BOTH--	112
15	2033	974	N	3	--BOTH--	140	--BOTH--	70	--BOTH--	112
16	2430	1035	N	2	--BOTH--	140	--BOTH--	70	--BOTH--	112
17	2040	1065	N	1	--BOTH--	140	--BOTH--	70	--BOTH--	112
18	1758	924	N	4	--BOTH--	140	--BOTH--	70	--BOTH--	112
19	1437	820	N	7	--BOTH--	140	--BOTH--	70	--BOTH--	112
20	1296	805	N	8	--BOTH--	140	--BOTH--	70	--BOTH--	112
21	1092	707	N	11	--BOTH--	140	--BOTH--	70	--BOTH--	112
22	0	0	S	23		140		70		112
23	0	0	S	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 16 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

SATISFIED. Peak hour total entering volume: 3928. Approaches on both streets satisfy one of the following criteria:

NSEW- 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)

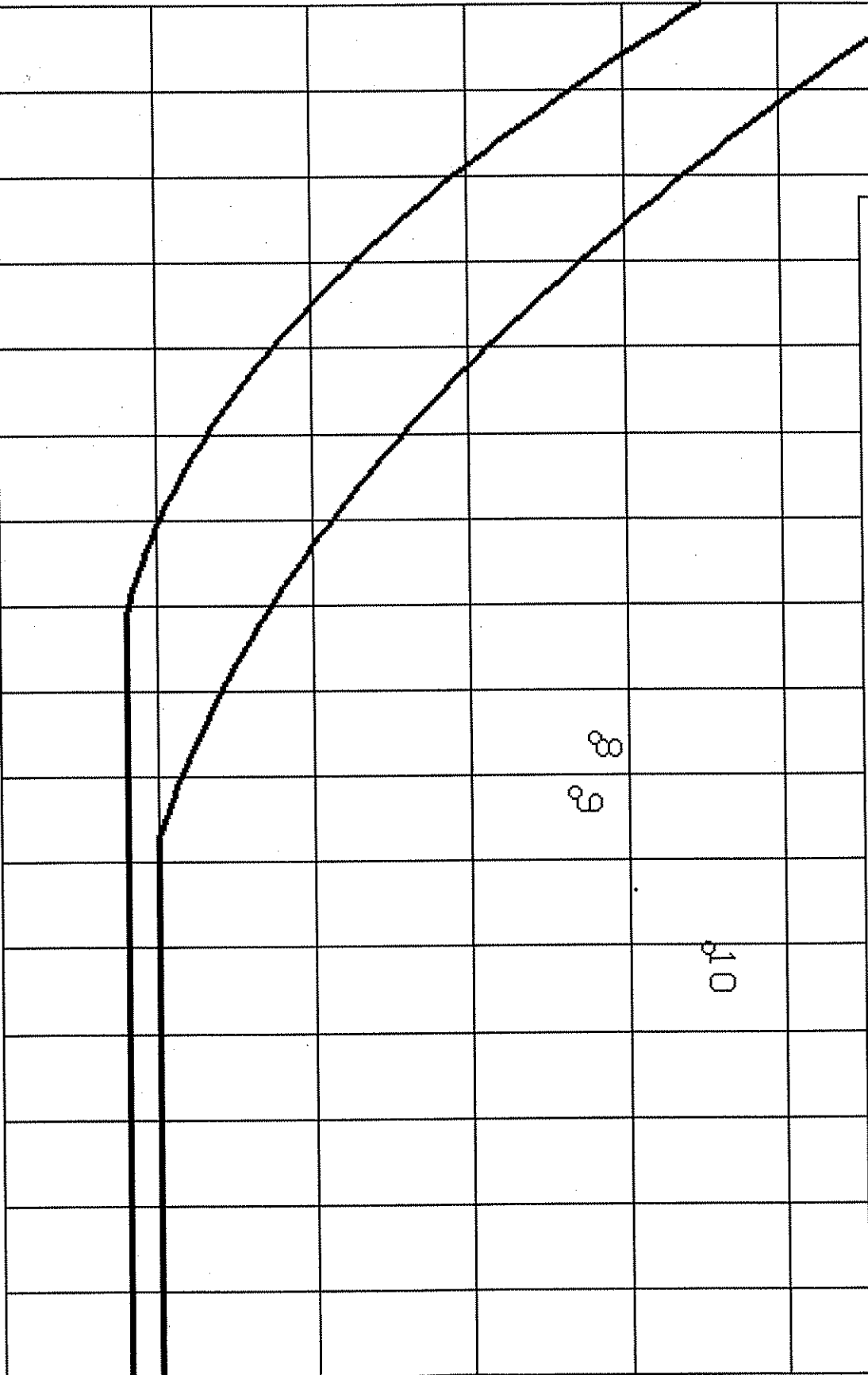
0 100 200 300 400 500 600

200 400 600 800 1000 1200 1400 1600

Major St. Total of Both Approaches (UPH)

Legend:

- Warrant 9, Four-Hour Volumes of 1
- Warrant 11, Peak-Hour Volumes



Multiway Stop Warrant Analysis
TMC 0128 CSAH 10 @CSAH 3/CSAH 51
Speed Limit of Major Roadway..... 45

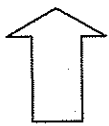
Minimum Traffic Volumes Multiway Stop Warrant Criteria:

- 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.

Hour	Total Vehicular Traffic Entering the Intersection	Vehicular Traffic Entering on First Minor Roadway	Vehicular Traffic Entering on Second Minor Roadway	Sum of Minor Approaches	Hours Stop Warrant Met
6 AM - 7 AM	1795	787	77	864	1
7 AM - 8 AM	2090	706	129	835	1
8 AM - 9 AM	1667	378	233	611	1
9 AM - 10 AM	1832	347	365	712	1
10 AM - 11 AM	2117	363	449	812	1
11 AM - 12 PM	2547	364	646	1010	1
12 PM - 13 PM	2916	421	878	1299	1
1 PM - 2 PM	2945	427	822	1249	1
2 PM - 3 PM	2789	411	732	1143	1
3 PM - 4 PM	3470	463	974	1437	1
4 PM - 5 PM	3928	463	1035	1498	1
5 PM - 6 PM	3575	470	1065	1535	1
6 PM - 7 PM	3163	481	924	1405	1
7 PM - 8 PM	2706	449	820	1269	1
8 PM - 9 PM	2424	323	805	1128	1
9 PM - 10 PM	2034	235	707	942	1

TOTAL HOURS MET: 16

MULTIWAY STOP WARRANT IS MET



NORTH

COUNT LOCATION:

CSAH 10

DATE:

8/8/01

CSAH 3 / CSAH 51

APP. #1 = CSAH 10

APP. #2 = CSAH 51

APP. #3 = CSAH 10

APP. #4 = CSAH 3

APP.
#2

APP.
#1

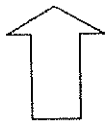
APP.
#3

APP.
#4

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						4		
6:15-6:30				1	1	9		
6:30-6:45						10		
6:45-7:00						13		1
HOURLY TOTAL					1	HOURLY TOTAL		37
7:00-7:15				1	1	7		
7:15-7:30						8		
7:30-7:45						6		
7:45-8:00		1		1	2	12		2
HOURLY TOTAL					3	HOURLY TOTAL		35
8:00-8:15						16		4
8:15-8:30						13		1
8:30-8:45	1			1	2	15		1
8:45-9:00						10		
HOURLY TOTAL						HOURLY TOTAL		60
9:00-9:15						15		
9:15-9:30						16		
9:30-9:45						15		
9:45-10:00						22		
HOURLY TOTAL						HOURLY TOTAL		68
10:00-10:15						21		1
10:15-10:30						16		
10:30-10:45			1		1	12		1
10:45-11:00						29	1	1
HOURLY TOTAL					1	HOURLY TOTAL		82
11:00-11:15						20		2
11:15-11:30	1	2			3	15		1
11:30-11:45						13		
11:45-12:00						11		
HOURLY TOTAL					3	HOURLY TOTAL		62
12:00-12:15						11	1	
12:15-12:30						15		
12:30-12:45						7		1
12:45-1:00						19		
HOURLY TOTAL						HOURLY TOTAL		54
1:00-1:15				2	2	16		1
1:15-1:30				2	2	13		
1:30-1:45				1	1	19		
1:45-2:00						22		
HOURLY TOTAL					5	HOURLY TOTAL		71



NORTH

APP. #1 = CSAH 10
APP. #2 = CSAH 51
APP. #3 = CSAH 10
APP. #4 = CSAH 3

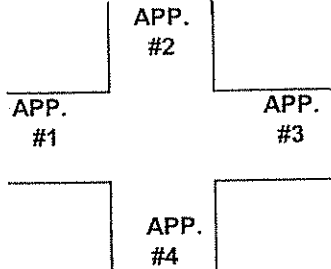
COUNT LOCATION:

CSAH 10

DATE:

8/8/01

CSAH 3 / CSAH 51



- 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						16		2
2:15-2:30						13		
2:30-2:45				1	1	16		
2:45-3:00		3			3	13		
HOURLY TOTAL					4	HOURLY TOTAL		60
3:00-3:15						16		1
3:15-3:30				2	2	19		4
3:30-3:45				1	1	13	1	
3:45-4:00		2		2	4	17		
HOURLY TOTAL					7	HOURLY TOTAL		71
4:00-4:15				2	2	15		1
4:15-4:30		1			1	9		
4:30-4:45	1	2			3	19		
4:45-5:00				2	2	12		2
HOURLY TOTAL					8	HOURLY TOTAL		58
5:00-5:15				2	2	13		
5:15-5:30						7		
5:30-5:45				1	1	10		
5:45-6:00						10		
HOURLY TOTAL					3	HOURLY TOTAL		40
6:00-6:15				1	1	17	1	
6:15-6:30						1		1
6:30-6:45						7		
6:45-7:00				1	1	2		1
HOURLY TOTAL					2	HOURLY TOTAL		30
7:00-7:15						2		
7:15-7:30				1	1	7		
7:30-7:45						3		
7:45-8:00						2		
HOURLY TOTAL					1	HOURLY TOTAL		14
8:00-8:15				1	1	1		
8:15-8:30				1	1	2		
8:30-8:45						1		
8:45-9:00						3		
HOURLY TOTAL					2	HOURLY TOTAL		7
9:00-9:15						1		
9:15-9:30						2		
9:30-9:45						1		
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		4