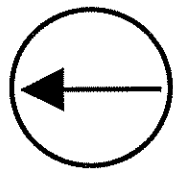


Date : 6/01/00

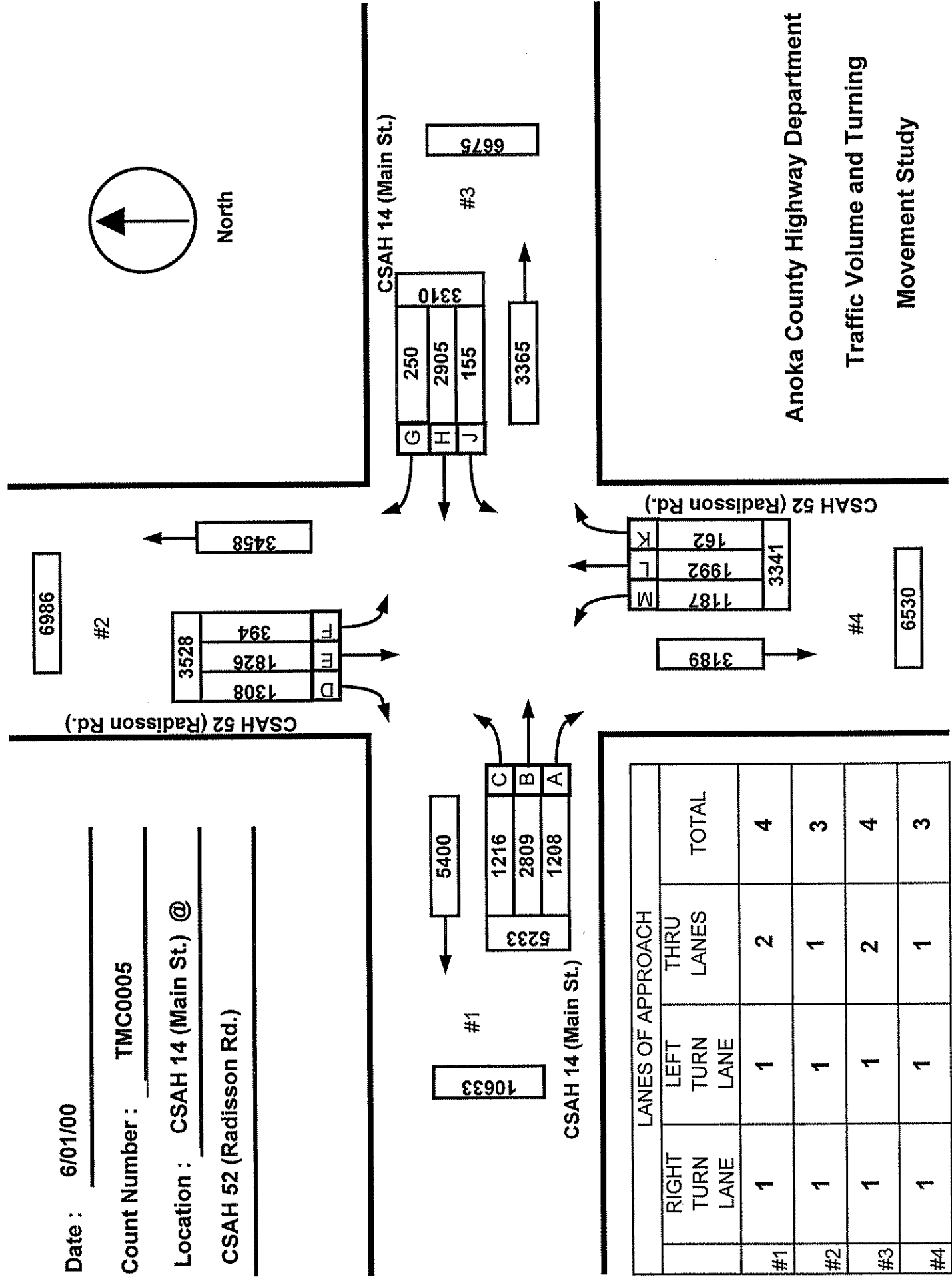
Count Number : TMC0005

Location : CSAH 14 (Main St.) @

CSAH 52 (Radisson Rd.)



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Anoka County Highway Department
Traffic Engineering
Traffic Volume and Turning Movement Stud

Weather:
inter TDC-8
Counted by:

File Name : TMC0005
Site Code : 00050101
Start Date : 06/01/2000
Page No : 1

Groups Printed- 1 - 1 - Unshifted

Start Time	CSAH 52 (Radisson Rd.) Southbound				CSAH 14 (Main St.) Westbound				CSAH 52 (Radisson Rd.) Northbound				CSAH 14 (Main St.) Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	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		
06:00	6	86	7	99	4	32	1	37	1	6	0	7	0	35	29	64	207
06:15	16	105	18	139	2	35	2	39	4	4	0	8	4	61	35	100	286
06:30	12	85	20	117	5	49	4	58	5	9	1	15	4	49	47	100	290
06:45	19	111	24	154	8	70	3	81	7	8	2	17	6	57	38	101	353
Total	53	387	69	509	19	186	10	215	17	27	3	47	14	202	149	365	1136
07:00	20	137	36	193	4	48	2	54	9	8	3	20	4	60	39	103	370
07:15	16	113	47	176	7	27	3	37	9	2	2	13	6	70	42	118	344
07:30	14	108	28	150	5	32	5	42	9	14	4	27	10	62	39	111	330
07:45	20	81	29	130	0	31	2	33	9	10	4	23	14	76	39	129	315
Total	70	439	140	649	16	138	12	166	36	34	13	83	34	268	159	461	1359
08:00	10	45	12	67	9	39	2	50	8	2	0	10	15	61	40	116	243
08:15	12	51	19	82	2	37	4	43	4	14	1	19	7	42	26	75	219
08:30	11	47	13	71	0	14	0	14	10	6	1	17	11	37	30	78	180
08:45	13	36	45	94	3	40	1	44	16	9	1	26	15	47	26	88	252
Total	46	179	89	314	14	130	7	151	38	31	3	72	48	187	122	357	894
09:00	9	30	15	54	6	27	0	33	5	3	0	8	6	42	15	63	158
09:15	6	21	9	36	1	15	8	24	4	6	3	13	13	35	11	59	132
09:30	5	15	17	37	3	37	1	41	14	6	2	22	13	29	15	57	157
09:45	4	15	10	29	0	31	1	32	10	15	0	25	6	36	10	52	138
Total	24	81	51	156	10	110	10	130	33	30	5	68	38	142	51	231	585
10:00	9	13	18	40	0	41	1	42	5	8	1	14	12	38	9	59	155
10:15	6	16	15	37	0	33	1	34	7	3	0	10	8	30	11	49	130
10:30	5	8	14	27	0	31	0	31	10	16	1	27	13	38	13	64	149
10:45	0	12	19	31	9	26	1	36	8	6	4	18	15	38	9	62	147
Total	20	49	66	135	9	131	3	143	30	33	6	69	48	144	42	234	581
11:00	5	20	17	42	1	31	1	33	19	16	3	38	18	39	17	74	187
11:15	8	16	20	44	0	36	1	37	11	39	10	60	17	42	15	74	215
11:30	6	14	18	38	3	26	1	30	20	19	3	42	12	28	8	48	158
11:45	7	22	19	48	3	27	2	32	16	17	5	38	8	33	22	63	181
Total	26	72	74	172	7	120	5	132	66	91	21	178	55	142	62	259	741
12:00	2	9	30	41	3	40	0	43	14	5	2	21	11	44	18	73	178
12:15	0	19	13	32	1	36	1	38	21	10	5	36	13	51	29	93	199
12:30	3	21	11	35	4	52	3	59	13	11	2	26	12	38	23	73	193
12:45	2	13	18	33	2	37	3	42	14	8	5	27	16	27	14	57	159
Total	7	62	72	141	10	165	7	182	62	34	14	110	52	160	84	296	729
13:00	0	8	22	30	0	41	1	42	12	15	1	28	11	38	20	69	169
13:15	6	10	19	35	1	47	5	53	12	16	2	30	11	40	18	69	187
13:30	4	7	13	24	2	36	2	40	18	15	2	35	10	36	13	59	158
13:45	3	9	13	25	1	39	2	42	16	17	3	36	13	40	11	64	167
Total	13	34	67	114	4	163	10	177	58	63	8	129	45	154	62	261	681
14:00	5	12	17	34	1	33	3	37	9	22	1	32	14	47	14	75	178
14:15	2	18	17	37	0	32	1	33	17	25	3	45	19	54	16	89	204
14:30	5	12	16	33	2	46	2	50	14	29	4	47	25	37	19	81	211
14:45	2	16	25	43	7	63	4	74	25	20	2	47	32	48	16	96	260
Total	14	58	75	147	10	174	10	194	65	96	10	171	90	186	65	341	853
15:00	4	22	26	52	4	67	5	76	25	41	0	66	13	29	4	46	240
15:15	2	18	24	44	3	64	5	72	30	30	3	63	17	55	21	93	272
15:30	2	15	26	43	4	66	7	77	40	66	2	108	34	40	26	100	328
15:45	5	25	19	49	4	81	6	91	42	90	1	133	24	50	18	92	365
Total	13	80	95	188	15	278	23	316	137	227	6	370	88	174	69	331	1205
16:00	5	15	21	41	2	71	12	85	51	98	3	152	48	66	6	120	398
16:15	8	18	29	55	2	75	14	91	46	105	3	154	49	65	14	128	428
16:30	14	10	32	56	2	93	12	107	52	116	4	172	35	60	15	110	445
16:45	2	20	36	58	1	110	13	124	51	120	10	181	46	65	17	128	491
Total	29	63	118	210	7	349	51	407	200	439	20	659	178	256	52	486	1762

Anoka County Highway Department
Traffic Engineering

Traffic Volume and Turning Movement Stud

Weather:
Counter TDC-8
Counted by:

File Name : TMC0005
Site Code : 00050101
Start Date : 06/01/2000
Page No : 2

Groups Printed- 1 - 1 - Unshifted

Start Time	CSAH 52 (Radisson Rd.) Southbound				CSAH 14 (Main St.) Westbound				CSAH 52 (Radisson Rd.) Northbound				CSAH 14 (Main St.) Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	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		
17:00	2	18	14	34	5	87	12	104	60	146	5	211	37	67	17	121	470
17:15	2	23	24	49	4	84	8	96	41	127	8	176	31	45	27	103	424
17:30	3	24	27	54	5	91	8	104	30	91	2	123	37	75	18	130	411
17:45	13	37	42	92	4	81	10	95	52	79	1	132	29	49	22	100	419
Total	20	102	107	229	18	343	38	399	183	443	16	642	134	236	84	454	1724
18:00	3	23	30	56	2	64	6	72	27	82	6	115	25	31	12	68	311
18:15	15	18	26	59	2	67	11	80	31	54	2	87	29	42	16	87	313
18:30	17	33	32	82	1	39	7	47	21	25	4	50	40	40	24	104	283
18:45	6	21	24	51	2	43	4	49	19	33	2	54	19	40	10	69	223
Total	41	95	112	248	7	213	28	248	98	194	14	306	113	153	62	328	1130
19:00	2	9	25	36	2	42	1	45	17	30	2	49	28	35	11	74	204
19:15	5	22	25	52	2	50	5	57	22	26	3	51	20	28	12	60	220
19:30	1	16	19	36	2	41	3	46	16	19	5	40	38	38	18	94	216
19:45	0	12	16	28	1	32	4	37	19	21	1	41	22	41	12	75	181
Total	8	59	85	152	7	165	13	185	74	96	11	181	108	142	53	303	821
20:00	2	8	11	21	1	34	3	38	17	16	4	37	20	44	7	71	167
20:15	1	8	7	16	0	40	3	43	13	29	0	42	27	47	22	96	197
20:30	1	20	17	38	1	38	1	40	15	25	3	43	20	45	11	76	197
20:45	1	9	8	18	0	28	8	36	9	18	1	28	25	26	10	61	143
Total	5	45	43	93	2	140	15	157	54	88	8	150	92	162	50	304	704
21:00	1	5	10	16	0	35	1	36	7	20	0	27	24	27	5	56	135
21:15	2	4	18	24	0	32	4	36	13	18	3	34	18	33	11	62	156
21:30	2	6	11	19	0	16	3	19	12	18	0	30	14	19	10	43	111
21:45	0	6	6	12	0	17	0	17	4	10	1	15	23	22	16	61	105
Total	5	21	45	71	0	100	8	108	36	66	4	106	79	101	42	222	507
Grand Total	394	1826	1308	3528	155	2905	250	3310	1187	1992	162	3341	1216	2809	1208	5233	15412
Approch %	11.2	51.8	37.1		4.7	87.8	7.6		35.5	59.6	4.8		23.2	53.7	23.1		
Total %	2.6	11.8	8.5	22.9	1.0	18.8	1.6	21.5	7.7	12.9	1.1	21.7	7.9	18.2	7.8	34.0	

Major Street Approaches:

Eastbound:

CSAH 14 (Main St.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0005.war
 Count Type: IMC. Channel: 0. Count Date: 6/ 1/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 5233

Westbound:

CSAH 14 (Main St.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0005.war
 Count Type: IMC. Channel: 0. Count Date: 6/ 1/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 3310

Minor Street Approaches:

Northbound:

CSAH 52 (Radisson Rd.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0005.war
 Count Type: IMC. Channel: 0. Count Date: 6/ 1/ 0
 Number of Lanes: 2
 Approach Speed: 45
 Total Approach Traffic: 3341

Southbound:

CSAH 52 (Radisson Rd.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0005.war
 Count Type: IMC. Channel: 0. Count Date: 6/ 1/ 0
 Number of Lanes: 2
 Approach Speed: 45
 Total Approach Traffic: 3528

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	580	509 S 4	--BOTH-- 140	SIDE 70	--BOTH-- 112
7	627	649 S 2	--BOTH-- 140	SIDE 70	--BOTH-- 112
8	508	314 S 6	--BOTH-- 140	SIDE 70	--BOTH-- 112
9	361	156 S 11	SIDE 140	SIDE 70	SIDE 112
10	377	135 S 14	140	SIDE 70	SIDE 112
11	391	178 N 9	SIDE 140	SIDE 70	SIDE 112
12	478	141 S 13	--BOTH-- 140	SIDE 70	SIDE 112
13	438	129 N 15	MAIN 140	SIDE 70	SIDE 112
14	535	171 N 10	--BOTH-- 140	SIDE 70	--BOTH-- 112
15	647	370 N 5	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
16	893	659 N 1	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
17	853	642 N 3	--BOTH-- 140	--BOTH-- 70	--BOTH-- 112
18	576	306 N 7	--BOTH-- 140	SIDE 70	--BOTH-- 112
19	488	181 N 8	--BOTH-- 140	SIDE 70	SIDE 112
20	461	150 N 12	--BOTH-- 140	SIDE 70	SIDE 112
21	330	106 N 16	140	SIDE 70	112
22	0	0 S 23	140	70	112
23	0	0 S 24	140	70	112

Warrant Summary:

Rural values apply.

Warrant 1 - Minimum Vehicular Volumes

SATISFIED for 11 hours. Criteria--Main St.: 420; Side St.: See Volume Summary.

Warrant 2 - Interruption of Continuous Traffic

NOT SATISFIED. Required values reached for 3 hours. Criteria--Main St.: 630; Side St.: See Volume Summary.

Warrant 3 - Minimum Pedestrian Volumes

NOT SATISFIED. 8th-High Hour--Pedestrians: 3; Vehicles: 377. Criteria--Pedestrians: 105; Vehicles: 420.

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: 1762.

- Approaches which are part of the principal through traffic roadway network.
- Approaches which connect areas of principal traffic generation.
- Approaches which include rural or suburban highways outside, entering or traversing a city.
- Approaches which have surface street freeway or expressway ramp terminals.
- Approaches which appear as a major route in an official transportation plan.

Warrant 8 - Combination of Warrants

SATISFIED for 8 hours. Criteria--Main: 504; Side: See Volume Summary.

Warrant 9 - Four Hour Volumes

SATISFIED for 7 hours.

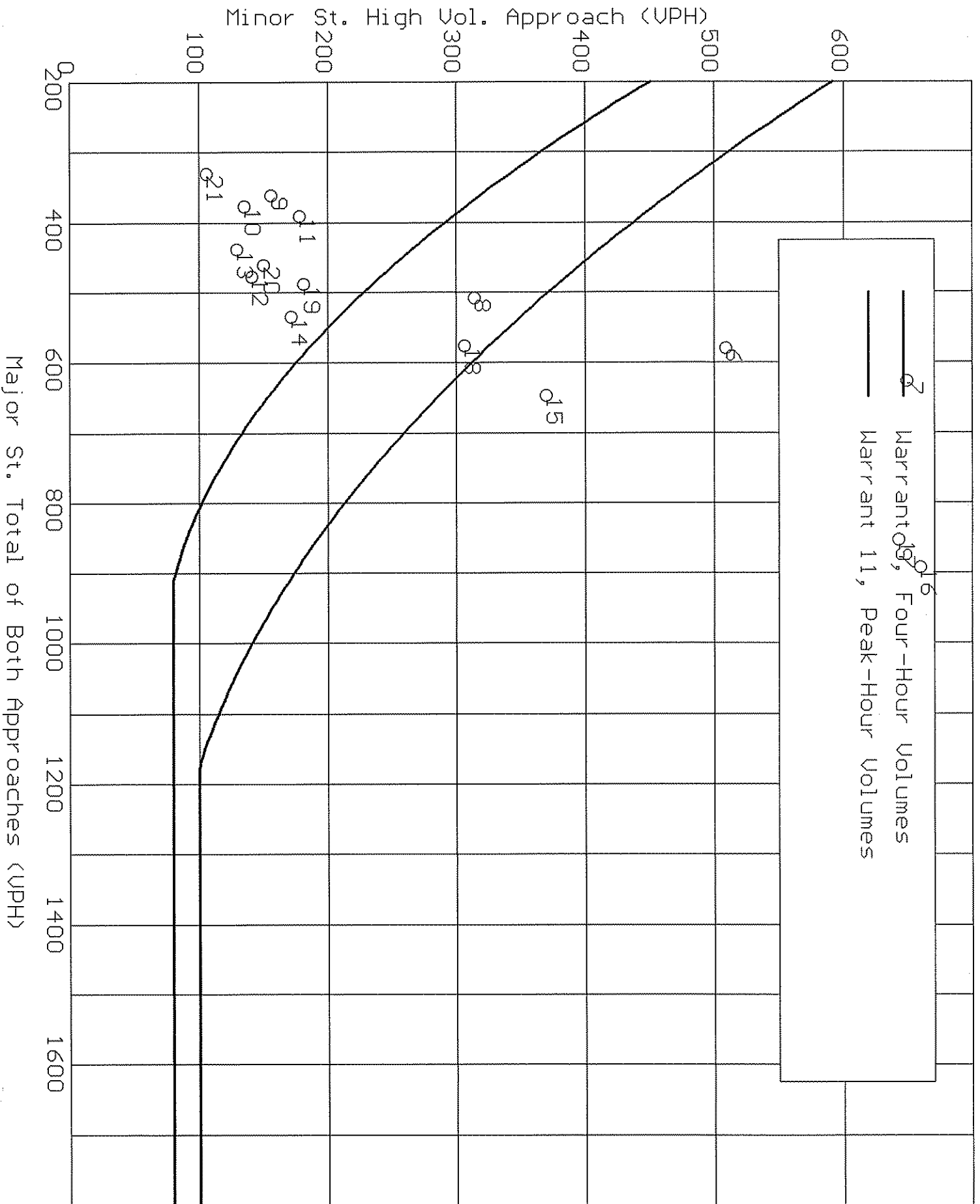
Warrant 10 - Peak Hour Delay

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 5 hours.





NORTH

COUNT LOCATION:

CSAH 14 (Main St.) @

DATE:

6/1/00

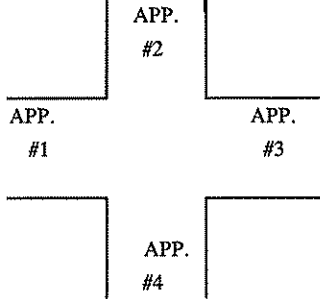
CSAH 52 (Radisson Rd.)

APP. #1 =
EB CSAH 14 (Main St.)

APP. #2 = SB CSAH 52
(Radisson Rd.)

APP. #3 =
WB CSAH 14 (Main St.)

APP. #4 = NB CSAH 52
(Radisson Rd.)



- 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		
6:15-6:30						1		3
6:30-6:45						2		2
6:45-7:00						2		4
HOURLY TOTAL						HOURLY TOTAL		15
7:00-7:15						1		
7:15-7:30						2		
7:30-7:45						1		1
7:45-8:00						2		3
HOURLY TOTAL						HOURLY TOTAL		10
8:00-8:15						1		1
8:15-8:30								
8:30-8:45						1		2
8:45-9:00						8		
HOURLY TOTAL						HOURLY TOTAL		13
9:00-9:15						1		
9:15-9:30						2		
9:30-9:45						1		
9:45-10:00								1
HOURLY TOTAL						HOURLY TOTAL		5
10:00-10:15								
10:15-10:30						7		
10:30-10:45						1		
10:45-11:00						2		
HOURLY TOTAL						HOURLY TOTAL		10
11:00-11:15						4		
11:15-11:30								
11:30-11:45						5		2
11:45-12:00						2		
HOURLY TOTAL						HOURLY TOTAL		13
12:00-12:15						3		
12:15-12:30						1		
12:30-12:45						6		1
12:45-1:00						5		
HOURLY TOTAL						HOURLY TOTAL		16
1:00-1:15						6		1
1:15-1:30						5		
1:30-1:45						3		
1:45-2:00								
HOURLY TOTAL						HOURLY TOTAL		15



COUNT LOCATION:

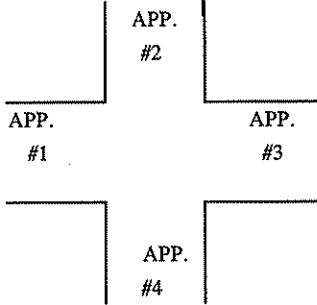
CSAH 14 (Main St.) @

DATE:

6/1/00

CSAH 52 (Radisson Rd.)

APP. #1 =
EB CSAH 14 (Main St.)
APP. #2 = SB CSAH 52
(Radisson Rd.)
APP. #3 =
WB CSAH 14 (Main St.)
APP. #4 = NB CSAH 52
(Radisson Rd.)



- 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.
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 - 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						3		
2:15-2:30						2	1	2
2:30-2:45						1		3
2:45-3:00						3		9
HOURLY TOTAL						HOURLY TOTAL 24		
3:00-3:15						2	1	1
3:15-3:30						2		1
3:30-3:45						5		2
3:45-4:00						4		3
HOURLY TOTAL						HOURLY TOTAL 21		
4:00-4:15						7		2
4:15-4:30						1		1
4:30-4:45						7		2
4:45-5:00						2		
HOURLY TOTAL						HOURLY TOTAL 22		
5:00-5:15						3	1	1
5:15-5:30						4		
5:30-5:45								
5:45-6:00								
HOURLY TOTAL						HOURLY TOTAL 9		
6:00-6:15						1		
6:15-6:30								
6:30-6:45								
6:45-7:00								
HOURLY TOTAL						HOURLY TOTAL 1		
7:00-7:15						1		
7:15-7:30								
7:30-7:45						1		
7:45-8:00								
HOURLY TOTAL						HOURLY TOTAL 2		
8:00-8:15						1		
8:15-8:30								
8:30-8:45						1		
8:45-9:00								
HOURLY TOTAL						HOURLY TOTAL 2		
9:00-9:15						1		
9:15-9:30						1		
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL 2		