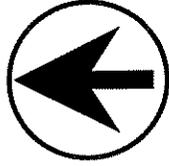


Date : 08/23/00

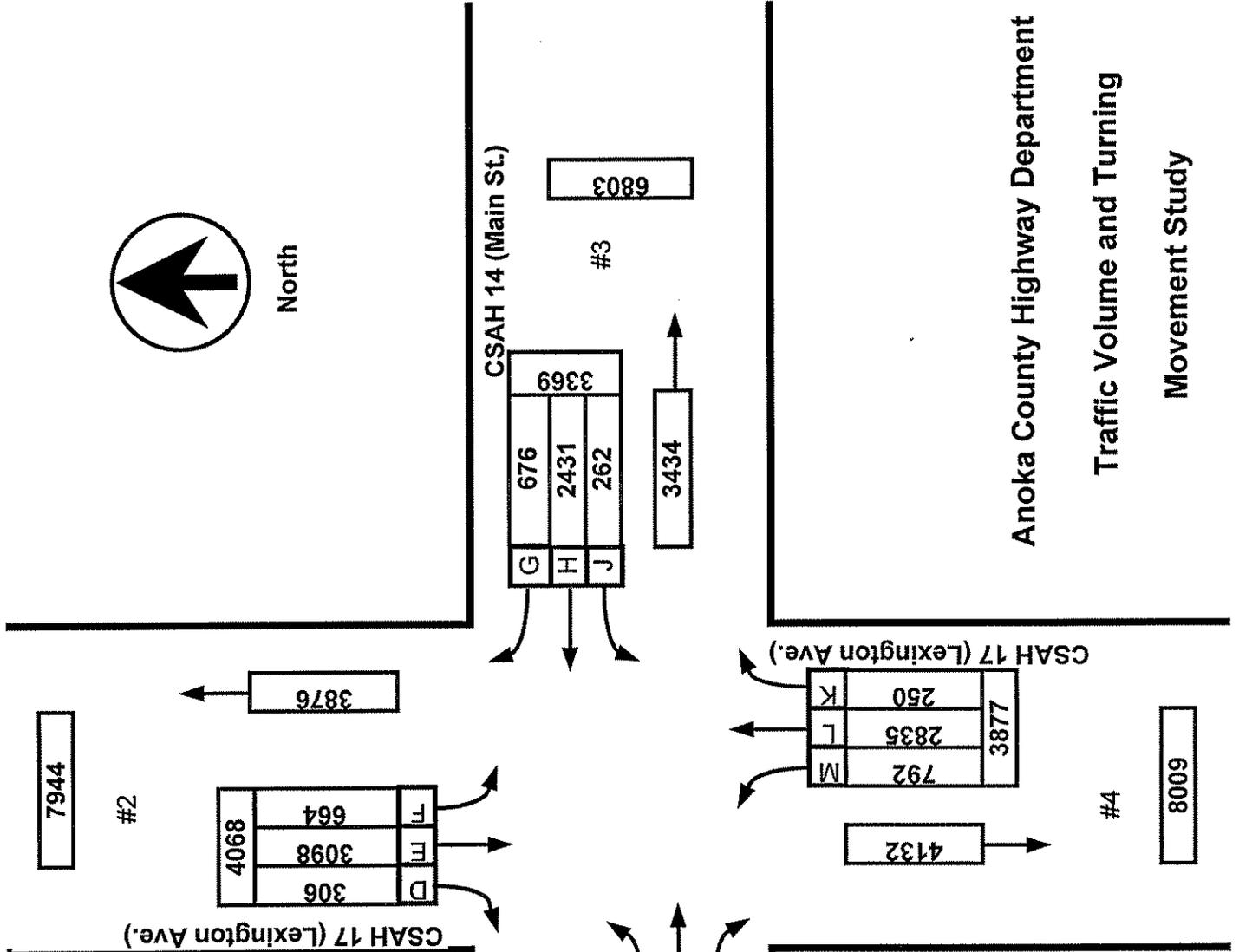
Count Number : TMC0027

Location : CSAH 17 (Lexington Ave.) @

CSAH 14 (Main St.)



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

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

Weather: Sunny
 under TDC-8
 Counted by: Ryan & Justin

File Name : TMC0027
 Site Code : 00270101
 Start Date : 08/23/2000
 Page No : 1

Groups Printed- 1 - 1 - Unshifted

Start Time	CSAH 17 (Lexington Ave.) Southbound					CSAH 14 (Main St.) Westbound					CSAH 17 (Lexington Ave.) Northbound					CSAH 14 (Main St.) 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			
06:00	15	156	2	0	173	1	18	3	2	22	3	2	1	1	6	1	22	15	1	38	4	239	243
06:15	25	196	1	0	222	2	32	3	0	37	8	11	0	0	19	0	35	23	1	58	1	336	337
06:30	35	181	2	0	218	3	34	6	3	43	3	14	1	0	18	2	57	20	0	79	3	358	361
06:45	22	165	3	0	190	8	35	5	0	48	5	17	3	0	25	0	57	24	0	81	0	344	344
Total	97	698	8	0	803	14	119	17	5	150	19	44	5	1	68	3	171	82	2	256	8	1277	1285
07:00	34	180	11	1	225	8	41	7	0	56	11	17	3	0	31	3	66	45	1	114	2	426	428
07:15	30	145	9	1	184	8	36	5	0	49	5	19	0	0	24	3	65	22	1	90	2	347	349
07:30	37	142	11	1	190	7	24	4	1	35	8	14	4	0	26	3	65	37	0	105	2	356	358
07:45	33	159	6	1	198	7	38	3	1	48	6	21	2	1	29	3	68	28	2	99	5	374	379
Total	134	626	37	4	797	30	139	19	2	188	30	71	9	1	110	12	264	132	4	408	11	1503	1514
08:00	24	106	5	0	135	10	28	4	0	42	12	13	2	0	27	2	45	29	2	76	2	280	282
08:15	23	91	3	0	117	3	39	9	1	51	4	16	1	1	21	3	39	18	0	60	2	249	251
08:30	19	63	4	1	86	7	23	1	0	31	10	15	1	1	26	2	39	11	2	52	4	195	199
08:45	15	68	2	0	85	2	31	7	1	40	17	10	4	0	31	2	45	11	1	58	2	214	216
Total	81	328	14	1	423	22	121	21	2	164	43	54	8	2	105	9	168	69	5	246	10	938	948
09:00	12	44	3	0	59	4	19	3	0	26	12	14	4	1	30	2	27	9	1	38	2	153	155
09:15	4	28	1	0	33	2	30	4	1	36	5	10	1	0	16	9	31	20	1	60	2	145	147
09:30	3	46	6	1	55	2	30	8	0	40	9	22	1	1	32	1	29	8	0	38	2	165	167
09:45	8	52	7	0	67	2	26	3	0	31	4	22	1	0	27	5	54	8	0	67	0	192	192
Total	27	170	17	1	214	10	105	18	1	133	30	68	7	2	105	17	141	45	2	203	6	655	661
10:00	14	32	5	0	51	7	30	7	0	44	1	26	1	0	28	4	21	13	1	38	1	161	162
10:15	3	41	6	2	50	5	29	7	0	41	6	16	3	0	25	1	28	6	0	35	2	151	153
10:30	14	46	9	0	69	6	28	8	1	42	6	17	3	0	26	7	39	16	1	62	2	199	201
10:45	10	39	1	0	50	2	20	9	1	31	10	21	5	0	36	3	32	14	1	49	2	166	168
Total	41	158	21	2	220	20	107	31	2	158	23	80	12	0	115	15	120	49	3	184	7	677	684
11:00	4	32	1	0	37	2	22	11	0	35	3	14	1	0	18	4	41	14	1	59	1	149	150
11:15	1	24	4	1	29	6	23	8	2	37	15	13	3	0	31	2	49	17	0	68	3	165	168
11:30	15	23	6	0	44	0	32	11	0	43	10	17	0	0	27	8	28	8	0	44	0	158	158
11:45	3	36	8	0	47	4	43	3	0	50	10	20	1	0	31	4	33	1	0	38	0	166	166
Total	23	115	19	1	157	12	120	33	2	165	38	64	5	0	107	18	151	40	1	209	4	638	642
12:00	6	19	1	1	26	0	33	5	0	38	5	27	0	1	32	10	22	5	0	37	2	133	135
12:15	8	34	3	0	45	0	41	6	2	47	19	17	2	0	38	1	31	6	1	38	3	168	171
12:30	8	27	4	0	39	2	45	4	1	51	3	19	5	0	27	3	32	14	0	49	1	166	167
12:45	4	35	4	0	43	4	41	9	0	54	10	21	6	0	37	3	38	17	2	58	2	192	194
Total	26	115	12	1	153	6	160	24	3	190	37	84	13	1	134	17	123	42	3	182	8	659	667
13:00	8	23	10	0	41	1	34	11	0	46	3	18	0	1	21	1	36	14	0	51	1	159	160
13:15	9	28	1	0	38	6	35	7	1	48	6	38	0	0	44	7	36	9	1	52	2	182	184
13:30	14	40	11	0	65	5	30	13	0	48	9	21	5	0	35	9	44	9	2	62	2	210	212
13:45	10	48	7	0	65	4	40	9	0	53	11	35	3	0	49	7	44	6	0	57	0	224	224
Total	41	139	29	0	209	16	139	40	1	195	29	112	8	1	149	24	160	38	3	222	5	775	780
14:00	6	28	6	0	40	2	42	12	2	56	17	38	2	0	57	4	39	12	1	55	3	208	211
14:15	10	31	4	0	45	4	30	14	0	48	12	44	8	0	64	8	24	14	1	46	1	203	204
14:30	5	35	7	0	47	6	50	13	0	69	16	68	10	0	94	12	29	10	1	51	1	261	262
14:45	10	30	4	0	44	2	40	18	0	60	13	64	6	0	83	8	39	6	0	53	0	240	240
Total	31	124	21	0	176	14	162	57	2	233	58	214	26	0	298	32	131	42	3	205	5	912	917
15:00	9	16	10	0	35	7	65	9	0	81	11	78	4	0	93	6	46	11	2	63	2	272	274
15:15	4	25	8	0	37	9	51	23	1	83	28	81	6	0	115	10	40	10	2	60	3	295	298
15:30	7	22	6	1	35	6	52	9	2	67	31	102	15	1	148	5	30	13	2	48	6	298	304
15:45	9	27	3	0	39	5	58	18	4	81	24	99	5	1	128	10	35	15	1	60	6	308	314
Total	29	90	27	1	146	27	226	59	7	312	94	360	30	2	484	31	151	49	7	231	17	1173	1190
16:00	13	19	4	1	36	9	71	17	0	97	30	139	5	0	174	13	59	9	0	81	1	388	389
16:15	8	27	4	0	39	8	86	14	2	108	28	146	5	0	179	11	63	11	1	85	3	411	414
16:30	7	29	6	0	42	5	65	29	4	99	37	151	18	2	206	14	45	11	0	70	6	417	423
16:45	12	35	5	0	52	4	90	39	0	133	29	121	4	0	154	7	71	12	1	90	1	429	430
Total	40	110	19	1	169	26	312	99	6	437	124	557	32	2	713	45	238	43	2				

Anoka County Highway Department
Traffic Engineering

Traffic Volume and Turning Movement Study

Weather: Sunny

Counter TDC-8

Counted by: Ryan & Justin

File Name : TMC0027

Site Code : 00270101

Start Date : 08/23/2000

Page No : 2

Groups Printed- 1 - 1 - Unshifted

Start Time	CSAH 17 (Lexington Ave.) Southbound					CSAH 14 (Main St.) Westbound					CSAH 17 (Lexington Ave.) Northbound					CSAH 14 (Main St.) 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			
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				
17:00	7	26	4	0	37	8	81	23	0	112	40	151	5	2	198	10	72	11	1	93	3	438	441
17:15	9	32	2	0	43	6	83	23	2	112	33	125	5	1	163	10	61	8	0	79	3	397	400
17:30	11	25	6	0	42	4	60	31	0	95	24	100	10	0	134	9	45	10	0	64	0	335	335
17:45	5	26	6	0	37	3	44	22	0	69	39	105	7	1	151	14	49	5	2	68	3	325	328
Total	32	109	18	0	159	21	268	99	2	388	136	481	27	4	644	43	227	34	3	304	9	1495	1504
18:00	4	23	4	0	31	5	35	18	0	58	9	79	4	0	92	8	42	9	0	59	0	240	240
18:15	1	28	4	0	33	6	39	12	0	57	23	60	2	0	85	7	31	9	0	47	0	222	222
18:30	6	39	6	0	51	3	50	11	0	64	6	69	8	0	83	10	42	13	0	65	0	263	263
18:45	5	22	7	0	34	3	36	4	0	43	7	57	1	0	65	7	32	9	1	48	1	190	191
Total	16	112	21	0	149	17	160	45	0	222	45	265	15	0	325	32	147	40	1	219	1	915	916
19:00	9	22	8	0	39	4	44	6	1	54	10	46	3	0	59	6	35	12	0	53	1	205	206
19:15	5	33	1	0	39	2	29	17	0	48	12	33	4	0	49	8	30	1	0	39	0	175	175
19:30	0	21	8	0	29	5	30	15	0	50	10	32	5	0	47	7	31	10	0	48	0	174	174
19:45	6	12	6	0	24	3	22	6	0	31	4	33	9	0	46	7	45	8	0	60	0	161	161
Total	20	88	23	0	131	14	125	44	1	183	36	144	21	0	201	28	141	31	0	200	1	715	716
20:00	7	29	4	0	40	4	20	8	0	32	7	41	3	0	51	6	30	7	0	43	0	166	166
20:15	4	18	1	0	23	3	30	20	0	53	6	32	6	0	44	10	27	13	0	50	0	170	170
20:30	1	17	5	0	23	2	25	5	0	32	2	24	8	1	34	2	30	5	0	37	1	126	127
20:45	4	17	5	0	26	1	20	11	0	32	8	36	4	0	48	2	26	1	0	29	0	135	135
Total	16	81	15	0	112	10	95	44	0	149	23	133	21	1	177	20	113	26	0	159	1	597	598
21:00	3	7	0	0	10	1	14	6	0	21	4	27	1	0	32	2	22	7	0	31	0	94	94
21:15	5	15	3	1	23	1	19	6	1	26	8	25	3	0	36	9	27	1	0	37	2	122	124
21:30	2	13	2	0	17	1	22	8	0	31	7	28	4	0	39	8	25	2	0	35	0	122	122
21:45	0	0	0	0	0	0	18	6	0	24	8	24	3	0	35	0	0	0	0	0	0	59	59
Total	10	35	5	1	50	3	73	26	1	102	27	104	11	0	142	19	74	10	0	103	2	397	399
Grand Total	664	3098	306	13	4068	262	2431	676	37	3369	792	2835	250	17	3877	365	2520	772	39	3657	106	14971	15077
Approch %	16.3	76.2	7.5			7.8	72.2	20.1			20.4	73.1	6.4			10.0	68.9	21.1					
Total %	4.4	20.7	2.0		27.2	1.8	16.2	4.5		22.5	5.3	18.9	1.7		25.9	2.4	16.8	5.2		24.4	0.7	99.3	

Street Approaches:

Northbound:

CSAH 17 (Lexington Ave.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0027.war
 Count Type: IMC. Channel: 0. Count Date: 8/23/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 3877

Southbound:

CSAH 17 (Lexington Ave.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0027.war
 Count Type: IMC. Channel: 0. Count Date: 8/23/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 4068

Minor Street Approaches:

Eastbound:

CSAH 14 (Main St.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0027.war
 Count Type: IMC. Channel: 0. Count Date: 8/23/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 3657

Westbound:

CSAH 14 (Main St.)

Data File: C:\Program Files\JAMAR\PETRA\Data Files\TMC0027.war
 Count Type: IMC. Channel: 0. Count Date: 8/23/ 0
 Number of Lanes: 2
 Approach Speed: 55
 Total Approach Traffic: 3369

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

Hour	Main (Total)	Side Vol.	Dir.	Rank	Warrant 1 Meets?	Warrant 1 Criteria	Warrant 2 Meets?	Warrant 2 Criteria	Warrant 8 Meets?	Warrant 8 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	871	256	E	5	--BOTH--	140	--BOTH--	70	--BOTH--	112
7	907	408	E	2	--BOTH--	140	--BOTH--	70	--BOTH--	112
8	528	246	E	6	--BOTH--	140	SIDE	70	--BOTH--	112
9	319	203	E	11	SIDE	140	SIDE	70	SIDE	112
10	335	184	E	14	SIDE	140	SIDE	70	SIDE	112
11	264	209	E	10	SIDE	140	SIDE	70	SIDE	112
12	287	190	W	13	SIDE	140	SIDE	70	SIDE	112
13	358	222	E	8	SIDE	140	SIDE	70	SIDE	112
14	474	233	W	7	--BOTH--	140	SIDE	70	SIDE	112
15	630	312	W	4	--BOTH--	140	--BOTH--	70	--BOTH--	112
16	882	437	W	1	--BOTH--	140	--BOTH--	70	--BOTH--	112
17	803	388	W	3	--BOTH--	140	--BOTH--	70	--BOTH--	112
18	474	222	W	9	--BOTH--	140	SIDE	70	SIDE	112
19	332	200	E	12	SIDE	140	SIDE	70	SIDE	112
20	289	159	E	15	SIDE	140	SIDE	70	SIDE	112
21	192	103	E	16		140	SIDE	70		112
22	0	0	W	23		140		70		112
23	0	0	W	24		140		70		112

Warrant Summary:

Rural values apply.

Warrant 1 - Minimum Vehicular Volumes

SATISFIED for 8 hours. Criteria--Main St.: 420; Side St.: See Volume Summary.

Warrant 2 - Interruption of Continuous Traffic

NOT SATISFIED. Required values reached for 5 hours. Criteria--Main St.: 630; Side St.: See Volume Summary.

Warrant 3 - Minimum Pedestrian Volumes

NOT SATISFIED. 8th-High Hour--Pedestrians: 5; Vehicles: 474. 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: 1645.

- 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

NOT SATISFIED. Required values reached for 6 hours. Criteria--Main: 504; Side: See Volume Summary.

Warrant 9 - Four Hour Volumes

SATISFIED for 6 hours.

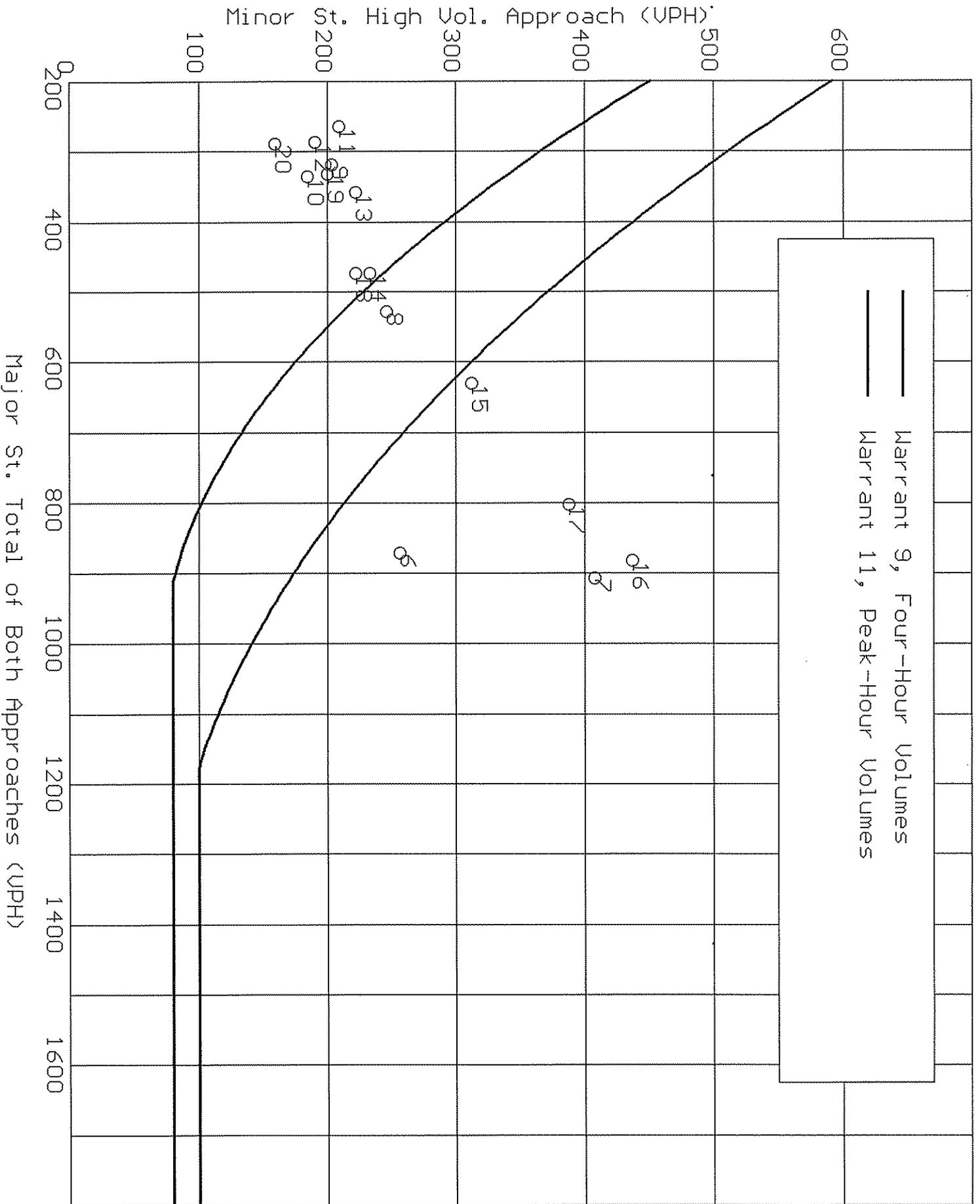
Warrant 10 - Peak Hour Delay

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.

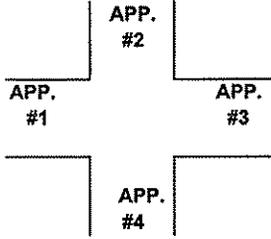




COUNT LOCATION: CSAH 17 (Lexington Ave.)@
 CSAH 14 (Main St.)

DATE: 8/23/00

APP. #1 = EB CSAH 14
 (Main St.)
 APP. #2 = SB CSAH 17
 (Lexington Ave.)
 APP. #3 = WB CSAH 14
 (Main St.)
 APP. #4 = NB CSAH 17
 (Lexington Ave.)



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.

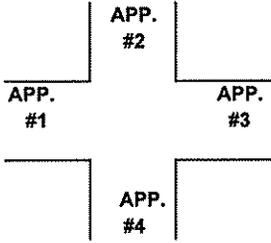
TIME	PEDESTRIANS					HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS
6:00-6:15AM						4		
6:15-6:30						1		
6:30-6:45						3		
6:45-7:00								
HOURLY TOTAL						HOURLY TOTAL	8	
7:00-7:15						2		
7:15-7:30						2		
7:30-7:45						2		
7:45-8:00						5		
HOURLY TOTAL						HOURLY TOTAL	11	
8:00-8:15						1		
8:15-8:30						2		
8:30-8:45						4		
8:45-9:00						2		
HOURLY TOTAL						HOURLY TOTAL	9	
9:00-9:15						2		
9:15-9:30						1		
9:30-9:45						2		
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL	5	
10:00-10:15						1		
10:15-10:30						2		
10:30-10:45						2		1
10:45-11:00						2		
HOURLY TOTAL						HOURLY TOTAL	8	
11:00-11:15						1		
11:15-11:30						3		
11:30-11:45								
11:45-12:00								
HOURLY TOTAL						HOURLY TOTAL	4	
12:00-12:15						2		
12:15-12:30						3		
12:30-12:45						1		
12:45-1:00						2		
HOURLY TOTAL						HOURLY TOTAL	8	
1:00-1:15						1		
1:15-1:30						2		
1:30-1:45						2		
1:45-2:00						1		
HOURLY TOTAL						HOURLY TOTAL	6	



COUNT LOCATION: CSAH 17 (Lexington Ave.)@
CSAH 14 (Main St.)

DATE: 8/21/00

APP. #1 = EB CSAH 14
(Main St.)
 APP. #2 = SB CSAH 17
(Lexington Ave.)
 APP. #3 = WB CSAH 14
(Main St.)
 APP. #4 = NB CSAH 17
(Lexington Ave.)



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	2	
2:15-2:30						1		
2:30-2:45						1		
2:45-3:00								
HOURLY TOTAL						HOURLY TOTAL	5	
3:00-3:15						2		
3:15-3:30						2		1
3:30-3:45						6		
3:45-4:00						6		
HOURLY TOTAL						HOURLY TOTAL	17	
4:00-4:15						1		
4:15-4:30						3		
4:30-4:45						6		
4:45-5:00						1		
HOURLY TOTAL						HOURLY TOTAL	11	
5:00-5:15						3		
5:15-5:30						3		
5:30-5:45								
5:45-6:00						2		
HOURLY TOTAL						HOURLY TOTAL	8	
6:00-6:15								
6:15-6:30								
6:30-6:45								
6:45-7:00						1		
HOURLY TOTAL						HOURLY TOTAL	1	
7:00-7:15						1		
7:15-7:30								
7:30-7:45								
7:45-8:00								
HOURLY TOTAL						HOURLY TOTAL	1	
8:00-8:15								
8:15-8:30								
8:30-8:45						1		
8:45-9:00								
HOURLY TOTAL						HOURLY TOTAL	1	
9:00-9:15								
9:15-9:30								
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		