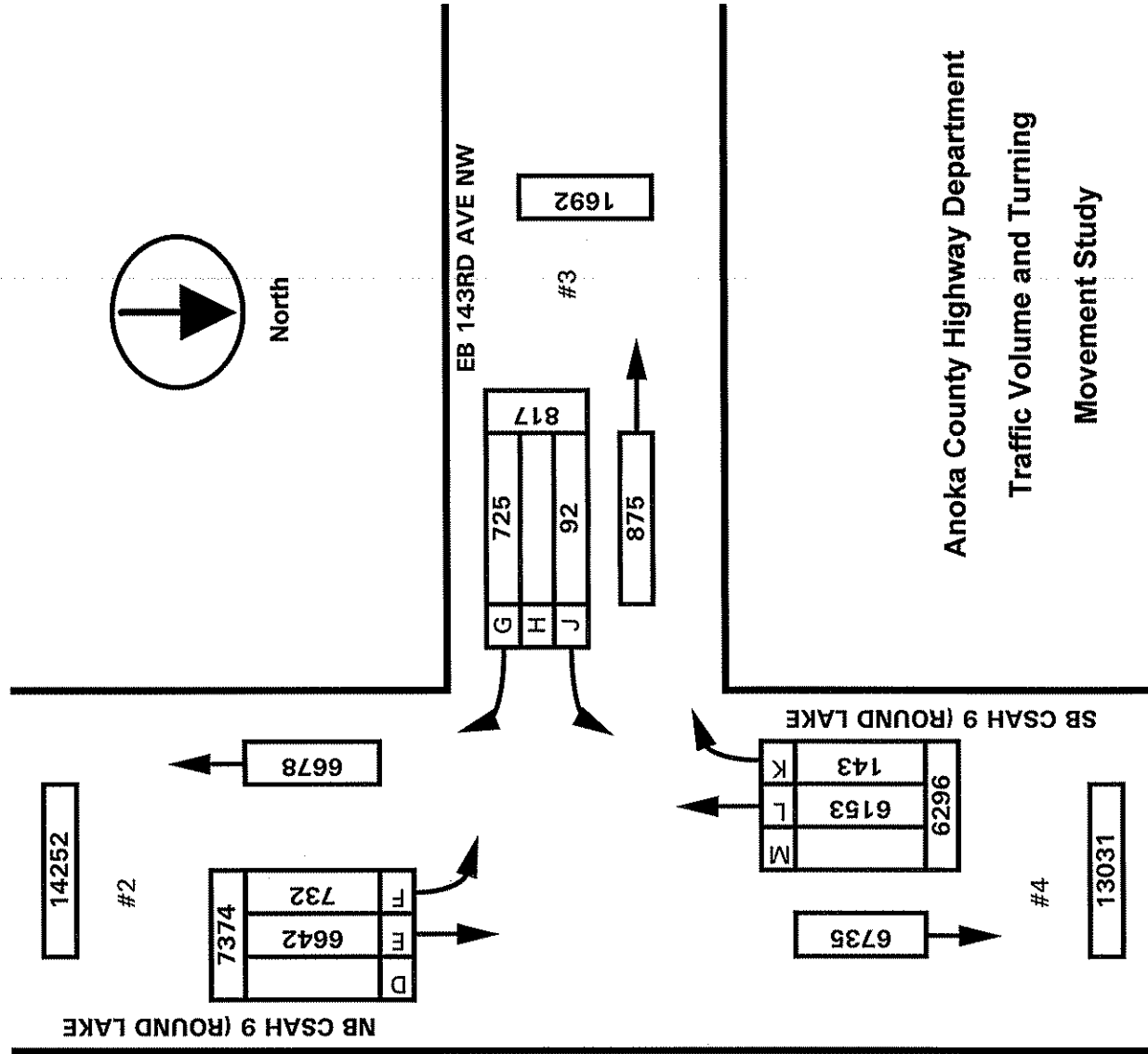


Date : 8/17/95AM 8/15/95PM

Count Number : TMC9529

Location : CSAH 9 (ROUND LAKE BLVD)

@ 143RD AVE. NW



Anoka County Highway Department
Traffic Volume and Turning
Movement Study

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

TRAFFIC ENGINEERING SECTION
 TRAFFIC VOLUME AND
 TURNING MOVEMENT STUDY

Counted by ANN/LAURIE
 CLEAR

Vehicle group 1

Date 07/17/95	CSAH 9 (ROUND LAKE BLVD) Southbound			S. COON CREEK BLVD Westbound			CSAH 9 (ROUND LAKE BLVD) Northbound			Vehicle Total	
	Other	Thru	Left	Other	Right	Left	Other	Right	Thru	Vehicle Total	Other Total
06:00	5	137	0	0	0	14	3	1	17	169	8
06:15	5	156	1	0	1	5	2	1	24	188	7
06:30	5	177	1	1	0	16	0	4	23	221	6
06:45	7	130	3	1	1	11	2	5	40	190	10
Hr Total	22	600	5	2	2	46	7	11	104	768	31
07:00	4	150	1	0	0	14	6	8	36	209	10
07:15	5	130	0	0	2	13	2	4	37	186	7
07:30	3	137	0	0	1	14	0	4	42	198	3
07:45	7	101	2	0	1	7	5	3	50	164	12
Hr Total	19	518	3	0	4	48	13	19	165	757	32
08:00	7	96	0	0	1	10	7	1	39	147	14
08:15	5	85	2	0	1	7	4	5	45	145	9
08:30	11	82	1	0	1	9	7	8	42	143	18
08:45	5	89	1	0	0	4	2	4	37	135	7
Hr Total	28	352	4	0	3	30	20	18	163	570	48
09:00	4	74	0	0	0	15	4	4	38	131	8
09:15	3	81	0	0	0	5	7	3	52	141	10
09:30	4	80	1	0	0	7	5	5	58	151	9
09:45	5	109	0	0	3	13	3	12	53	190	8
Hr Total	16	344	1	0	3	40	19	24	201	613	35
10:00	6	76	1	0	0	3	2	6	36	122	8
10:15	6	87	0	0	1	5	7	6	59	158	13
10:30	5	75	1	1	1	8	6	8	65	158	12
10:45	5	91	1	0	4	7	7	6	76	185	12
Hr Total	22	329	3	1	6	23	22	26	236	623	45
11:00	5	98	1	0	0	13	9	6	83	201	14
11:15	8	68	0	1	1	9	4	3	103	184	13
11:30	2	82	0	0	0	5	5	8	82	177	7
11:45	7	94	3	0	0	13	7	7	93	210	14
Hr Total	22	342	4	1	1	40	25	24	361	772	48
12:00	7	83	1	0	0	4	7	15	74	177	14
12:15	8	90	0	0	2	3	5	5	113	213	13
12:30	4	69	0	0	1	6	6	9	111	196	10
12:45	4	81	1	0	4	9	5	11	109	215	9
Hr Total	23	323	2	0	7	22	23	40	407	801	46

Collector : TDC EIGHT
 Counted by ANN/LAURIE
 CLEAR

TRAFFIC ENGINEERING SECTION
 TRAFFIC VOLUME AND
 TURNING MOVEMENT STUDY

Vehicle group 1

Date 07/17/95	CSAH 9 (ROUND LAKE BLVD) Southbound			S. COON CREEK BLVD Westbound			CSAH 9 (ROUND LAKE BLVD) Northbound			Vehicle Total	Other Total
	Other	Thru	Left	Other	Right	Left	Other	Right	Thru		
13:00	8	80	1	2	2	9	9	12	124	228	19
13:15	6	87	1	0	0	15	5	6	122	231	11
13:30	7	73	0	0	2	5	9	10	105	195	16
13:45	5	91	1	0	2	6	9	10	119	229	14
Hr Total	26	331	3	2	6	35	32	38	470	883	60
14:00	3	76	1	0	0	2	5	2	91	172	8
14:15	3	100	0	0	1	9	9	12	92	214	12
14:30	6	102	1	1	0	10	7	10	95	218	14
14:45	6	84	0	1	1	7	3	9	95	196	10
Hr Total	18	362	2	2	2	28	24	33	373	800	44
15:00	4	79	1	0	1	8	6	11	135	235	10
15:15	4	77	2	3	0	8	6	16	132	235	13
15:30	5	95	2	0	1	12	5	21	134	265	10
15:45	6	86	2	0	0	6	5	14	146	254	11
Hr Total	19	337	7	3	2	34	22	62	547	989	44
16:00	3	75	0	0	1	9	6	19	174	278	9
16:15	6	77	1	1	2	13	7	16	166	275	14
16:30	2	81	1	0	3	9	5	16	169	279	7
16:45	6	76	1	0	4	8	6	22	191	302	12
Hr Total	17	309	3	1	10	39	24	73	700	1134	42
17:00	6	80	1	0	0	7	7	23	185	296	13
17:15	7	90	1	0	3	11	4	19	217	341	11
17:30	1	79	0	0	2	8	1	21	194	304	2
17:45	0	65	1	0	1	16	4	23	171	277	4
Hr Total	14	314	3	0	6	42	16	86	767	1218	30
18:00	0	63	1	0	1	5	1	13	189	272	1
18:15	1	76	3	0	5	16	1	12	163	275	2
18:30	2	61	2	0	2	11	5	17	156	249	7
18:45	1	93	3	0	2	9	0	18	127	252	1
Hr Total	4	293	9	0	10	41	7	60	635	1048	11
19:00	0	71	3	0	2	17	2	13	119	225	2
19:15	1	71	1	0	5	9	4	21	106	213	5
19:30	0	65	1	0	1	16	1	5	97	185	1
19:45	2	73	1	0	2	6	0	13	85	180	2
Hr Total	3	280	6	0	10	48	7	52	407	803	10

ANOKA COUNTY HIGHWAY DEPARTMENT

Site C : 95280101
 Start Date: 07/17/95
 File I.D. : TMC9528}

Counter : TDC EIGHT
 Counted by ANN/LAURIE
 CLEAR

TRAFFIC ENGINEERING SECTION
 TRAFFIC VOLUME AND
 TURNING MOVEMENT STUDY

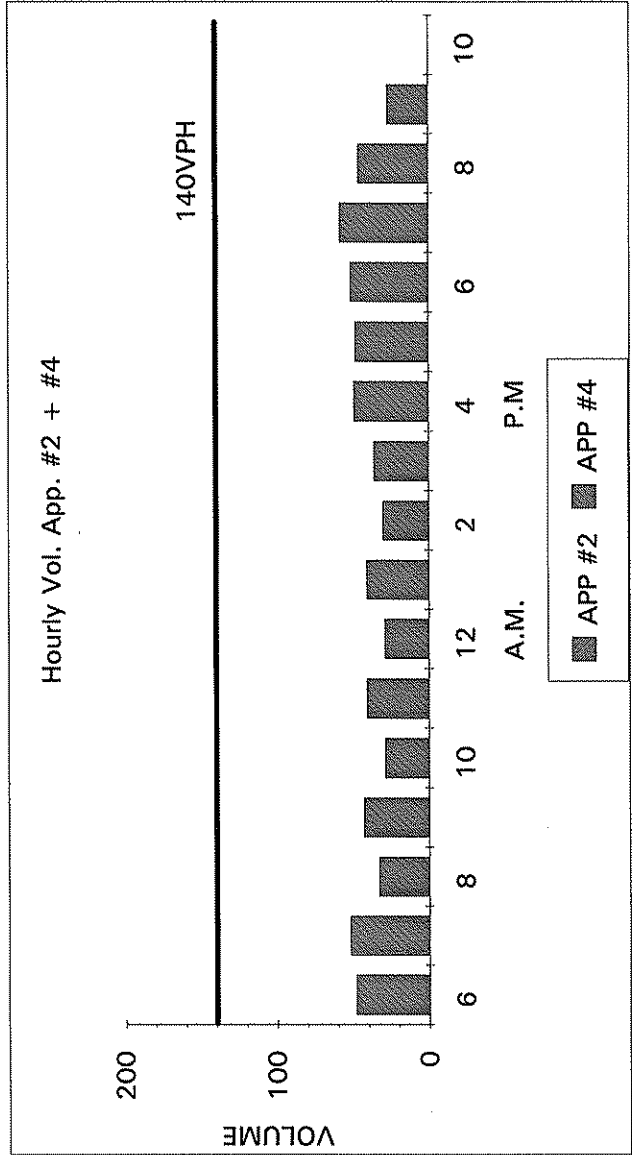
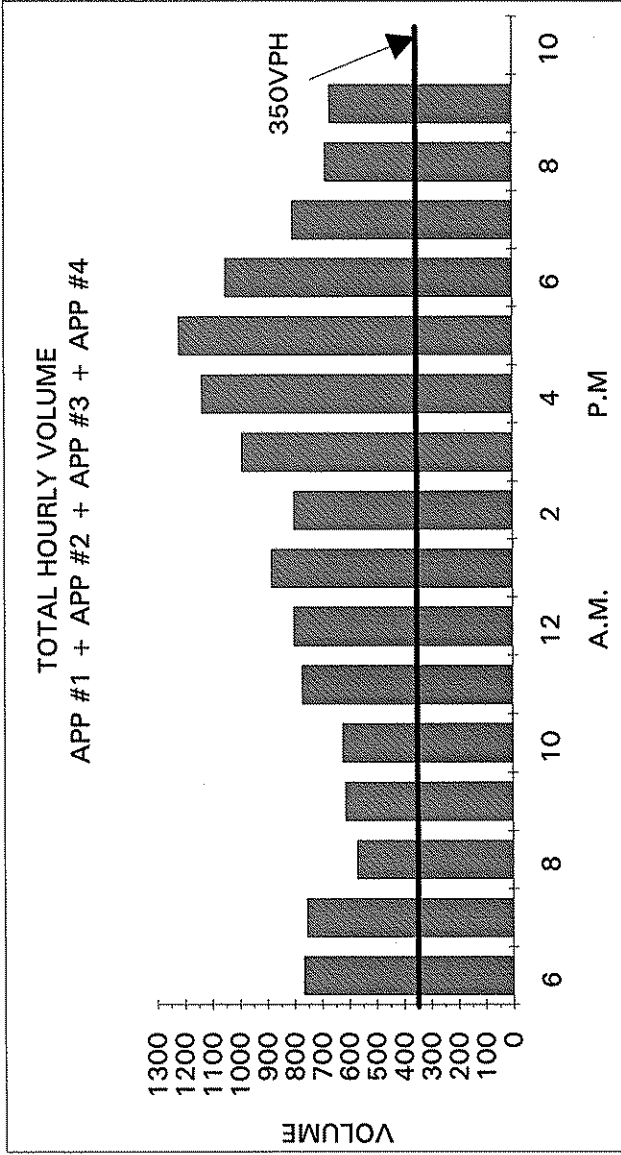
Page : 3

Vehicle group 1

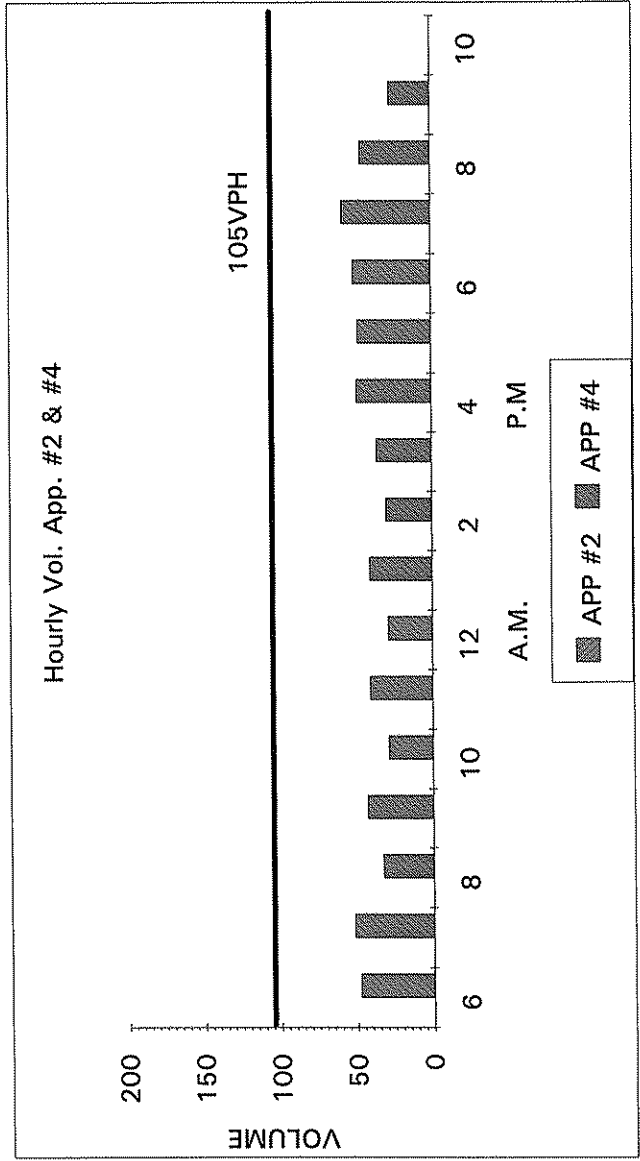
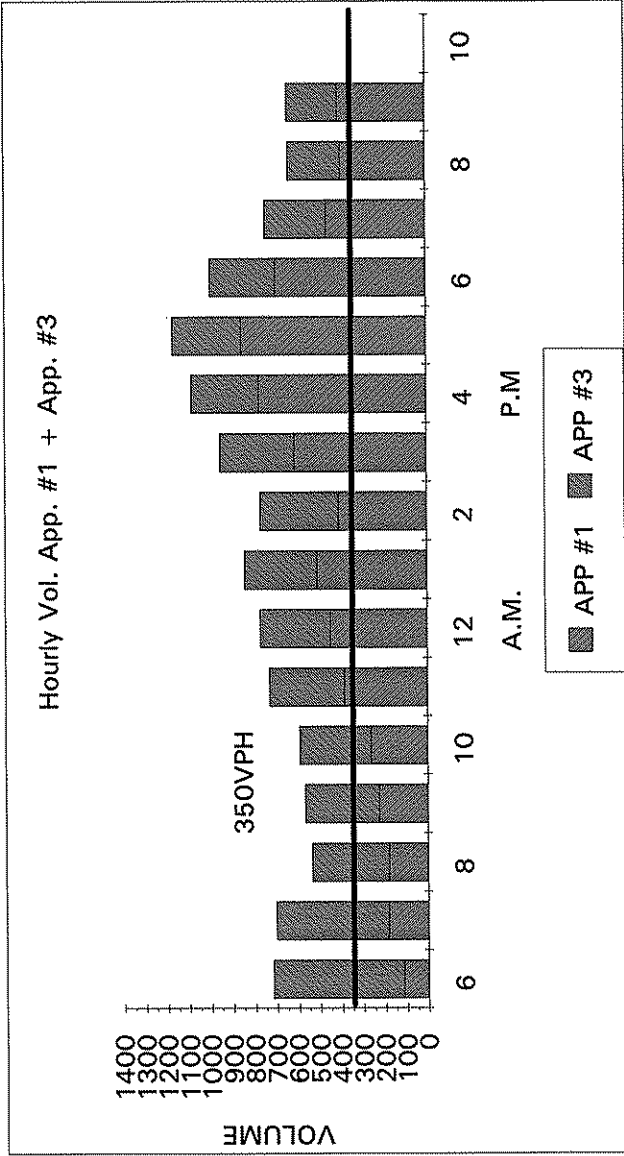
Date 07/17/95	CSAH 9 (ROUND LAKE BLVD) Southbound			S. COON CREEK BLVD Westbound			CSAH 9 (ROUND LAKE BLVD) Northbound			Vehicle Total	
	Other	Thru	Left	Other	Right	Left	Other	Right	Thru	Vehicle Total	Other Total
20:00	0	65	0	0	0	9	0	12	93	179	0
20:15	0	44	2	0	1	10	1	10	74	141	1
20:30	1	66	0	0	1	17	1	11	94	189	2
20:45	2	65	3	0	1	7	0	8	90	174	2
Hr Total	3	240	5	0	3	43	2	41	351	683	5
21:00	1	52	1	0	0	11	1	10	97	171	2
21:15	0	47	0	0	1	7	2	6	118	179	2
21:30	0	72	1	0	2	3	0	9	82	169	0
21:45	0	62	2	0	0	3	0	10	71	148	0
Hr Total	1	233	4	0	3	24	3	35	368	667	4

TOTAL 257 5507 64 12 78 583 266 642 6255 13129 535

TMC9528 STOP WARRANT STUDY



TMC9528 SIGNAL WARRANT 1 STUDY



TMC9528 SIGNAL WARRANT 2 STUDY

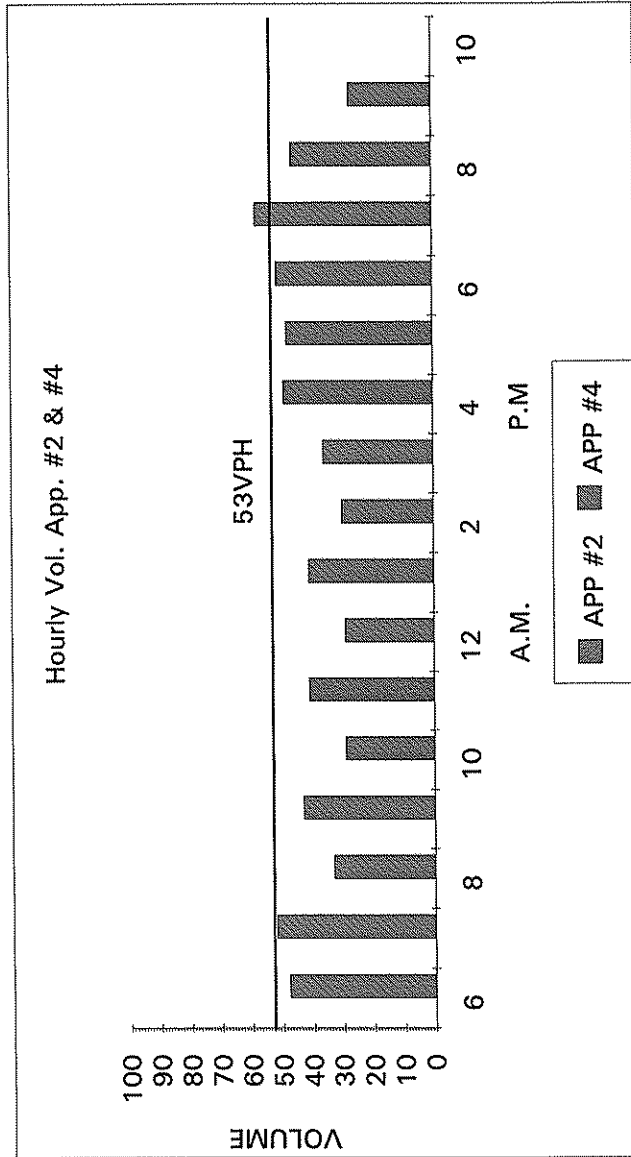
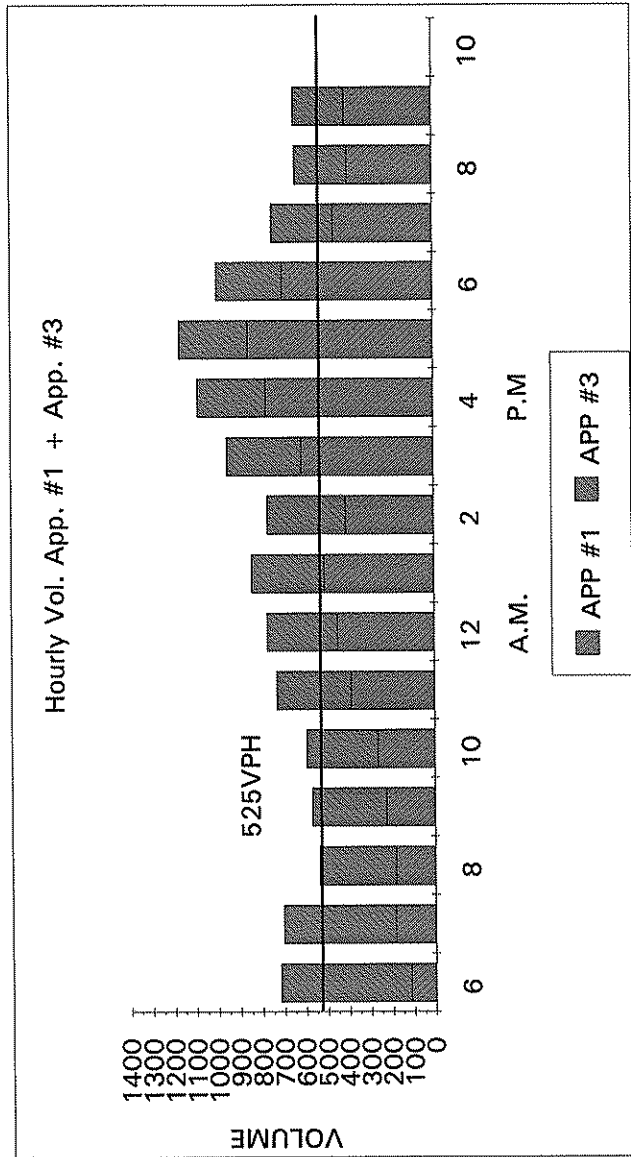
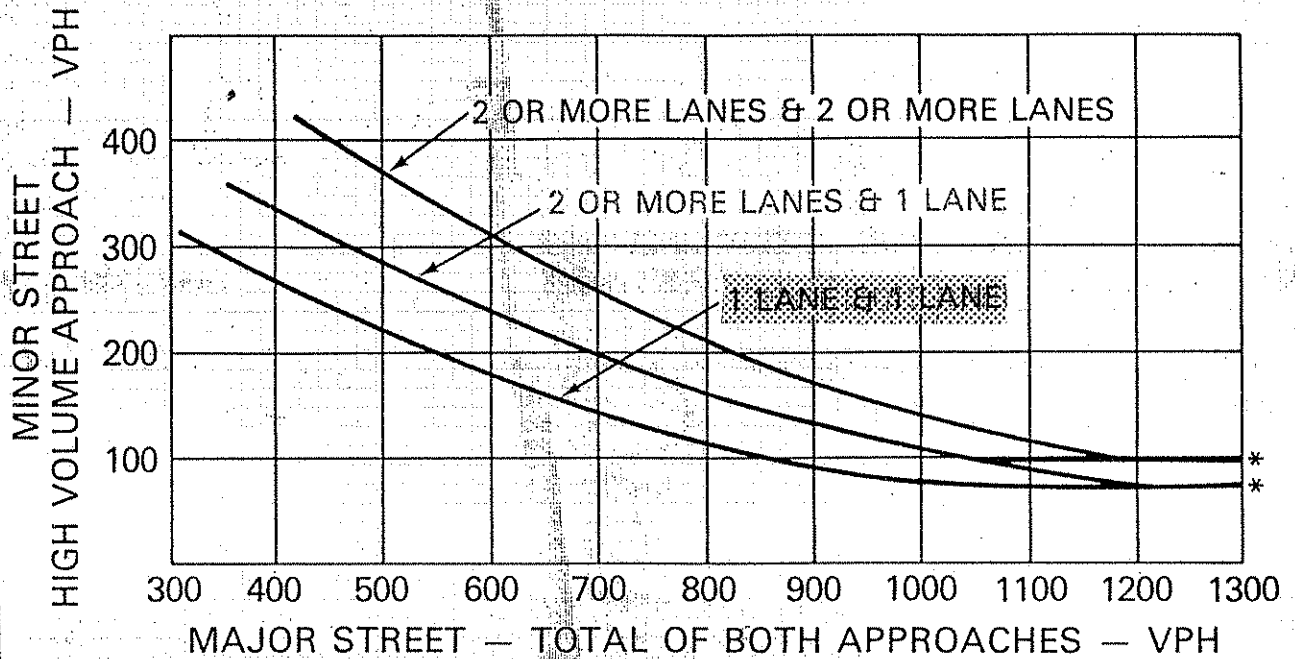


FIGURE 4-6. PEAK HOUR VOLUME WARRANT

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*NOTE: 100 VPH APPLIES AS THE LOWER THRESHOLD VOLUME FOR A MINOR STREET APPROACH WITH TWO OR MORE LANES AND 75 VPH APPLIES AS THE LOWER THRESHOLD VOLUME FOR A MINOR STREET APPROACHING WITH ONE LANE.

● = VOLUMES WHICH EXCEED THE THRESHOLD AND ARE REPRESENTED ON THE GRAPH.

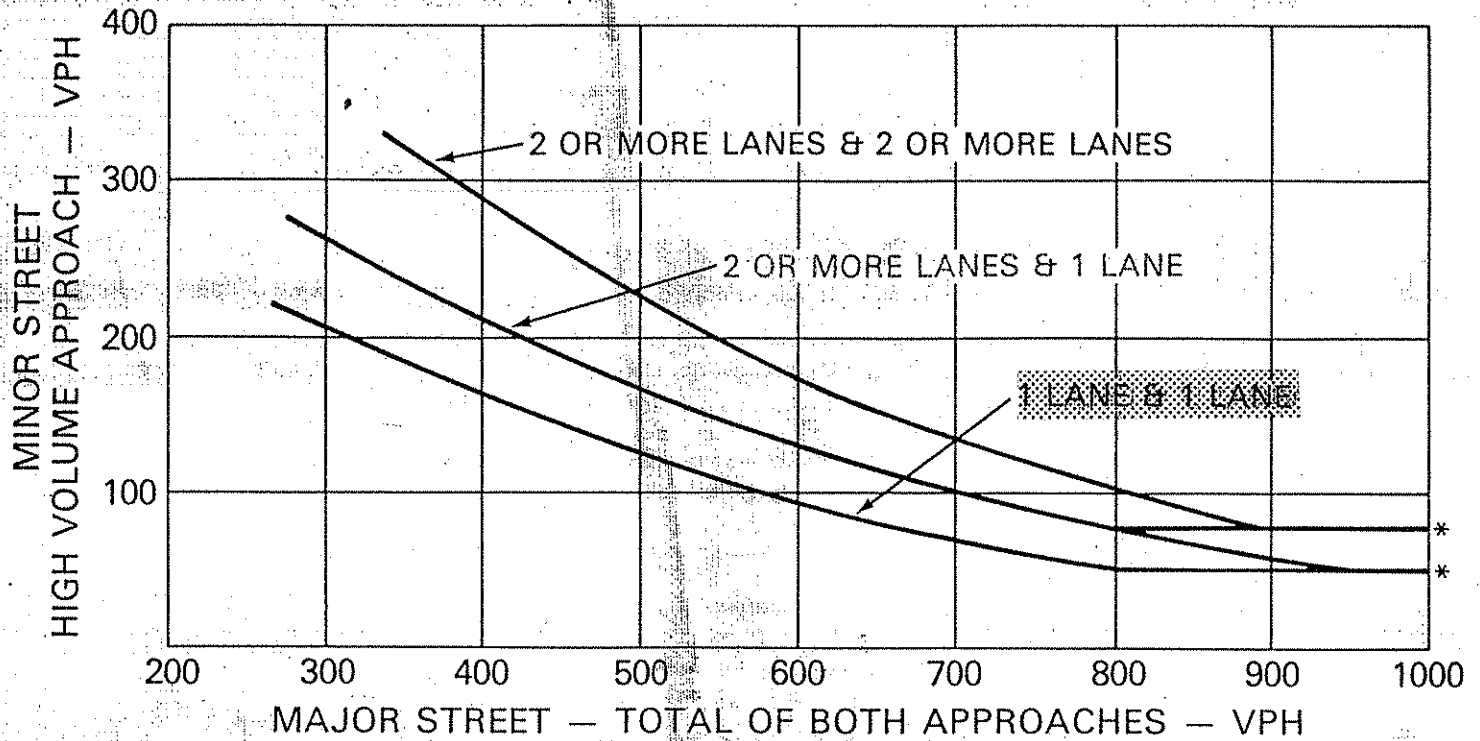
★ = VOLUMES WHICH EXCEED THE THRESHOLD BUT CANNOT BE REPRESENTED ON THE GRAPH.

TIME	MAJOR STREETS (VPH)	MINOR STREET (VPH)
6-7 am	720	48
7-8 am	705	52
8-9 am	537	33
9-10 am	570	43
10-11 am	594	29
11-12 pm	731	41
12-1 pm	772	29
1-2 pm	842	41
2-3 pm	770	30
3-4 pm	953	36
4-5 pm	1085	49
5-6 pm	1170	48
6-7 pm	997	51
7-8 pm	745	58
8-9 pm	637	46
9-10 pm	640	27

TMC 9528 CSAH 9 (ROUND LAKE BLVD) @ SOUTH COON CREEK DRIVE

FIGURE 4-8. FOUR HOUR VOLUME WARRANT

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



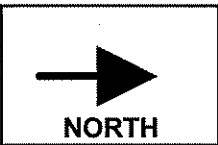
*NOTE: 80 VPH APPLIES AS THE LOWER THRESHOLD VOLUME FOR A MINOR STREET APPROACH WITH TWO OR MORE LANES AND 60 VPH APPLIES AS THE LOWER THRESHOLD VOLUME FOR A MINOR STREET APPROACHING WITH ONE LANE.

● = VOLUMES WHICH EXCEED THE THRESHOLD AND ARE REPRESENTED ON THE GRAPH.

★ = VOLUMES WHICH EXCEED THE THRESHOLD BUT CANNOT BE REPRESENTED ON THE GRAPH.

TIME	MAJOR STREETS (VPH)	MINOR STREET (VPH)
6-7 am	720	48
7-8 am	705	52
8-9 am	537	33
9-10 am	570	43
10-11 am	594	29
11-12 pm	731	41
12-1 pm	772	29
1-2 pm	842	41
2-3 pm	770	30
3-4 pm	953	36
4-5 pm	1085	49
5-6 pm	1170	48
6-7 pm	997	51
7-8 pm	745	58
8-9 pm	637	46
9-10 pm	640	27

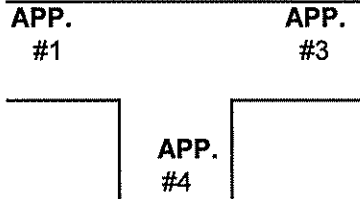
TMC 9528 CSAH 9 (ROUND LAKE BLVD) @ SOUTH COON CREEK DRIVE



COUNT LOCATION: CSAH 9 (ROUND LAKE BLVD) @
SOUTH COON CREEK DR NW

DATE: 7/14/95

APP. #1= NB CSAH 9
(ROUND LAKE BLVD)
APP. #3= SB CSAH 9
(ROUND LAKE BLVD)
APP. #4= WB
S. COON CREEK DR



- 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						8		
6:15-6:30						6		
6:30-6:45						5		
6:45-7:00						9		
HOURLY TOTAL						HOURLY TOTAL		28
7:00-7:15						11		
7:15-7:30						7		
7:30-7:45						3		
7:45-8:00						11		1
HOURLY TOTAL						HOURLY TOTAL		33
8:00-8:15						14		
8:15-8:30						10		
8:30-8:45						17		
8:45-9:00						7		
HOURLY TOTAL						HOURLY TOTAL		48
9:00-9:15						8	1	
9:15-9:30						13		
9:30-9:45						9		
9:45-10:00						7		
HOURLY TOTAL						HOURLY TOTAL		38
10:00-10:15						7		
10:15-10:30						13		
10:30-10:45						11		
10:45-11:00						13		
HOURLY TOTAL						HOURLY TOTAL		44
11:00-11:15						14		
11:15-11:30						12		
11:30-11:45						8		
11:45-12:00						11		
HOURLY TOTAL						HOURLY TOTAL		45
12:00-12:15						13	2	
12:15-12:30						12	1	
12:30-12:45						10		
12:45-1:00						8		
HOURLY TOTAL						HOURLY TOTAL		46
1:00-1:15						18		
1:15-1:30						9		
1:30-1:45						14		
1:45-2:00						13		
HOURLY TOTAL						HOURLY TOTAL		54



COUNT LOCATION: CSAH 9 (ROUND LAKE BLVD) @
SOUTH COON CREEK DR NW

DATE: 7/17/95

APP. #1= NB CSAH 9
(ROUND LAKE BLVD)
APP. #3= SB CSAH 9
(ROUND LAKE BLVD)
APP. #4= WB
S. COON CREEK DR

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
2:00-2:15PM						8		
2:15-2:30						11		
2:30-2:45						11		
2:45-3:00						10		
HOURLY TOTAL						HOURLY TOTAL		40
3:00-3:15						10		
3:15-3:30						13		
3:30-3:45						10		
3:45-4:00						11		
HOURLY TOTAL						HOURLY TOTAL		44
4:00-4:15						10		1
4:15-4:30						10	1	
4:30-4:45						7		
4:45-5:00						12		
HOURLY TOTAL						HOURLY TOTAL		41
5:00-5:15						12		
5:15-5:30						9	1	
5:30-5:45						2		
5:45-6:00						4		
HOURLY TOTAL						HOURLY TOTAL		28
6:00-6:15						1		
6:15-6:30						2		
6:30-6:45	2				2	6	1	
6:45-7:00						1		
HOURLY TOTAL					2	HOURLY TOTAL		11
7:00-7:15						2		
7:15-7:30						5	1	
7:30-7:45						1		
7:45-8:00								
HOURLY TOTAL						HOURLY TOTAL		9
8:00-8:15								
8:15-8:30						1		
8:30-8:45							2	
8:45-9:00						1	1	
HOURLY TOTAL						HOURLY TOTAL		5
9:00-9:15						2		
9:15-9:30						2		
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		4