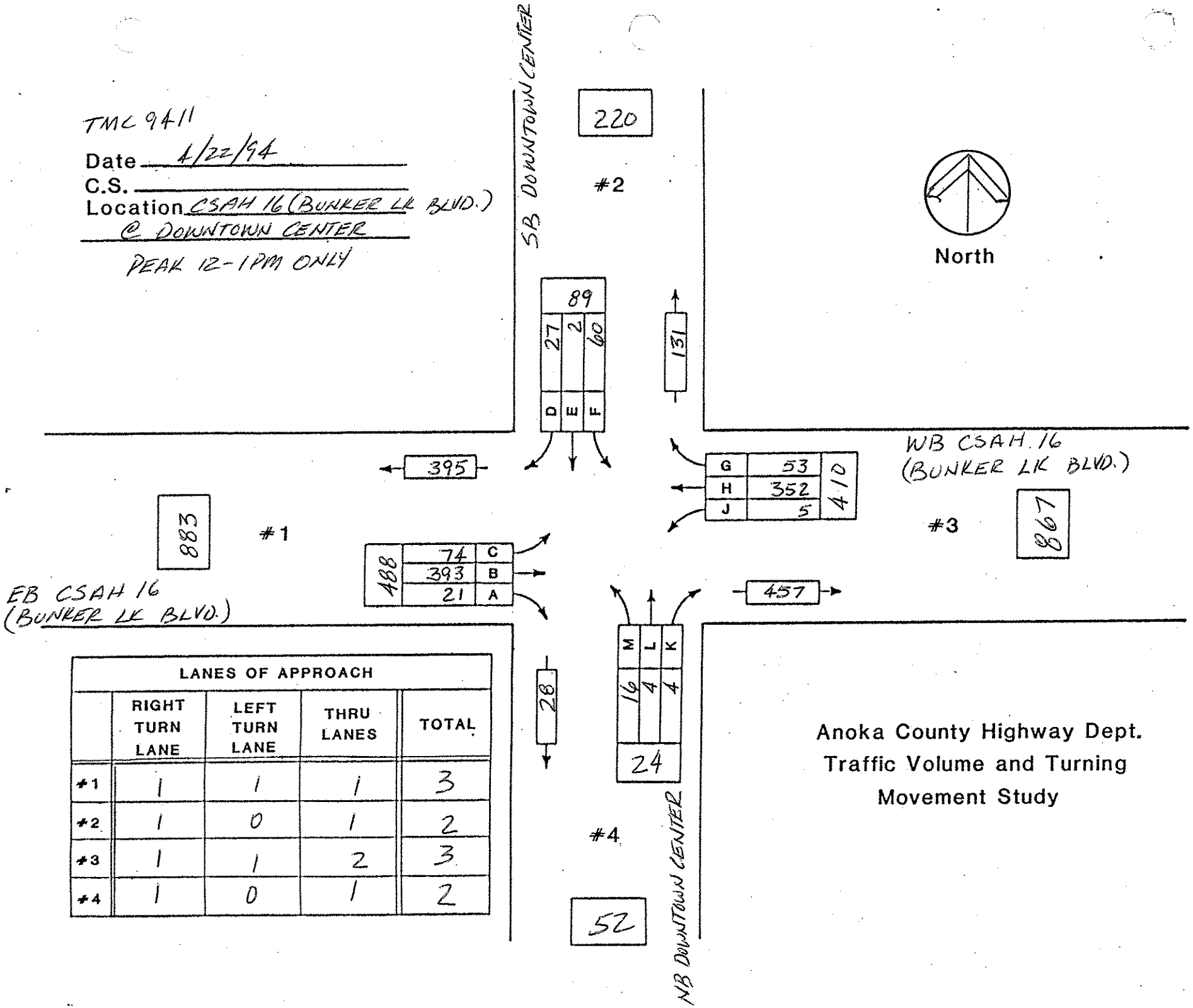
TMC 9411

Date 4/22/94

C.S.

Location CSAH 16 (BUNKER LK BLVD.) @ DOWNTOWN CENTER

PEAK 12-1PM ONLY



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

Anoka County Highway Dept.
Traffic Volume and Turning
Movement Study

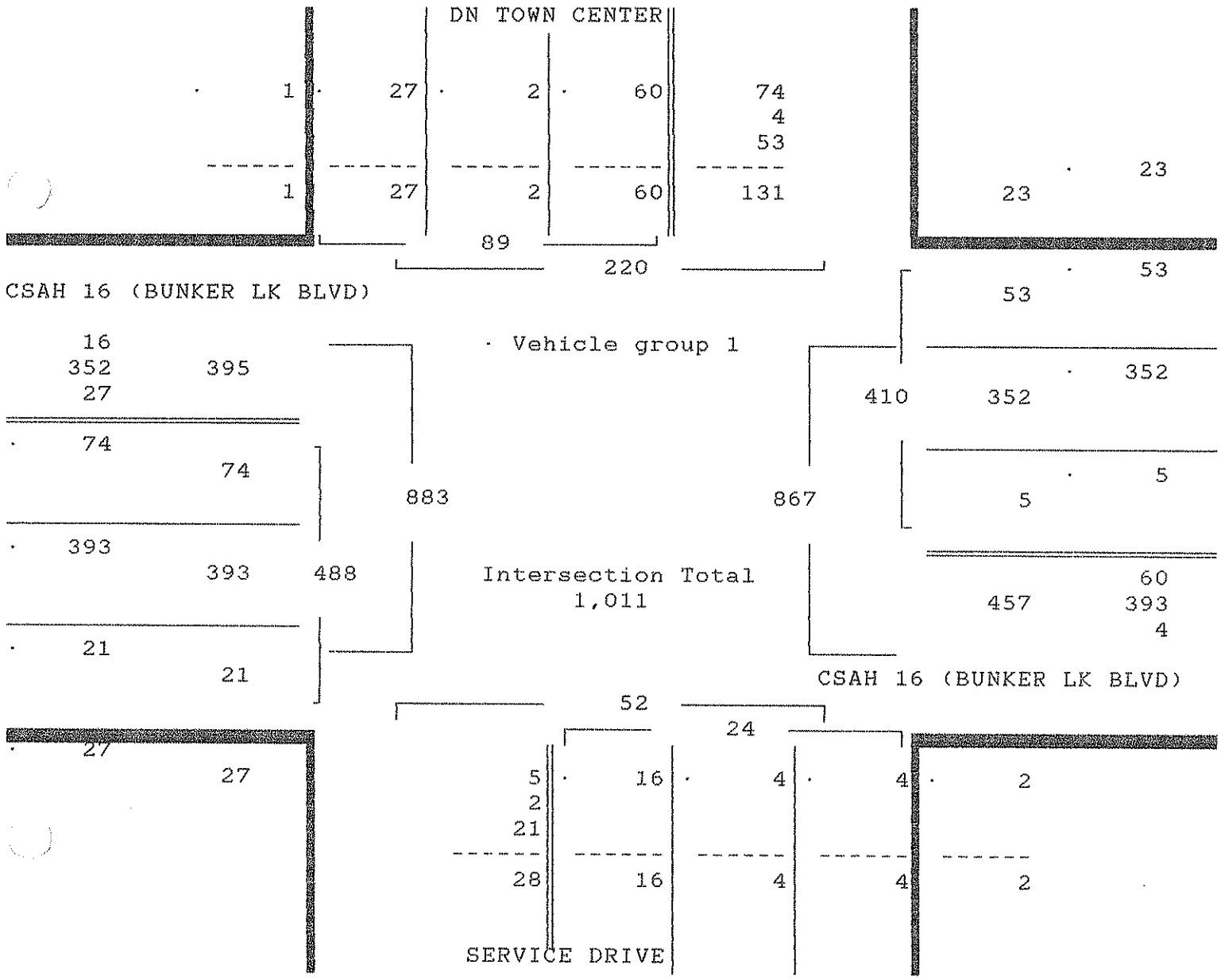
ANOKA COUNTY HIGHWAY DEPARTMENT
TRAFFIC ENGINEERING SECTION
TRAFFIC VOLUME AND
TURNING MOVEMENT STUDY

Counter :TDC EIGHT
Counted by

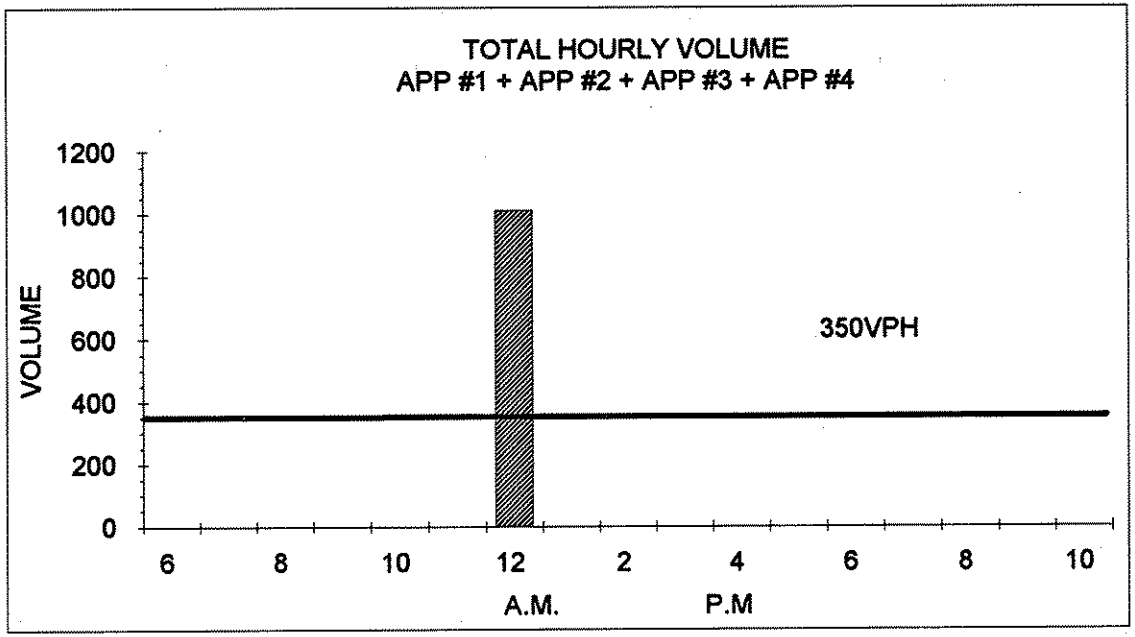
Site Code : 94111116
Start Date: 04/22/94
File I.D. : TURN1021
Page : 1

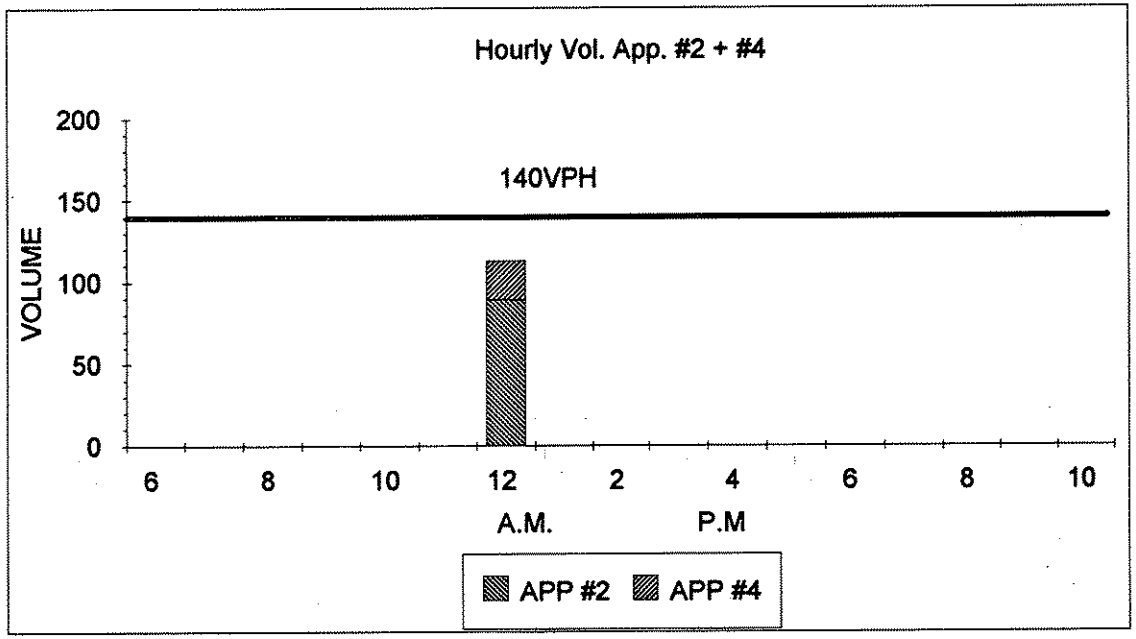
Vehicle group 1

	DN TOWN CENTER Southbound				CSAH 16 (BUNKER LK BLVD) Westbound				SERVICE DRIVE Northbound				CSAH 16 (BUNKER LK BLVD) Eastbound					
Date 04/22/94	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Vehicle Total	Other Total
12:00	0	3	0	21	2	10	86	2	0	1	1	3	12	5	93	17	242	14
12:15	0	9	1	15	10	14	98	0	0	2	0	6	5	2	88	21	256	15
12:30	1	5	1	14	8	16	84	2	2	1	2	4	5	7	112	22	270	16
12:45	0	10	0	10	3	13	84	1	0	0	1	3	5	7	100	14	243	8
Hr Total	1	27	2	60	23	53	352	5	2	4	4	16	27	21	393	74	1011	53
TOTAL	1	27	2	60	23	53	352	5	2	4	4	16	27	21	393	74	1011	53



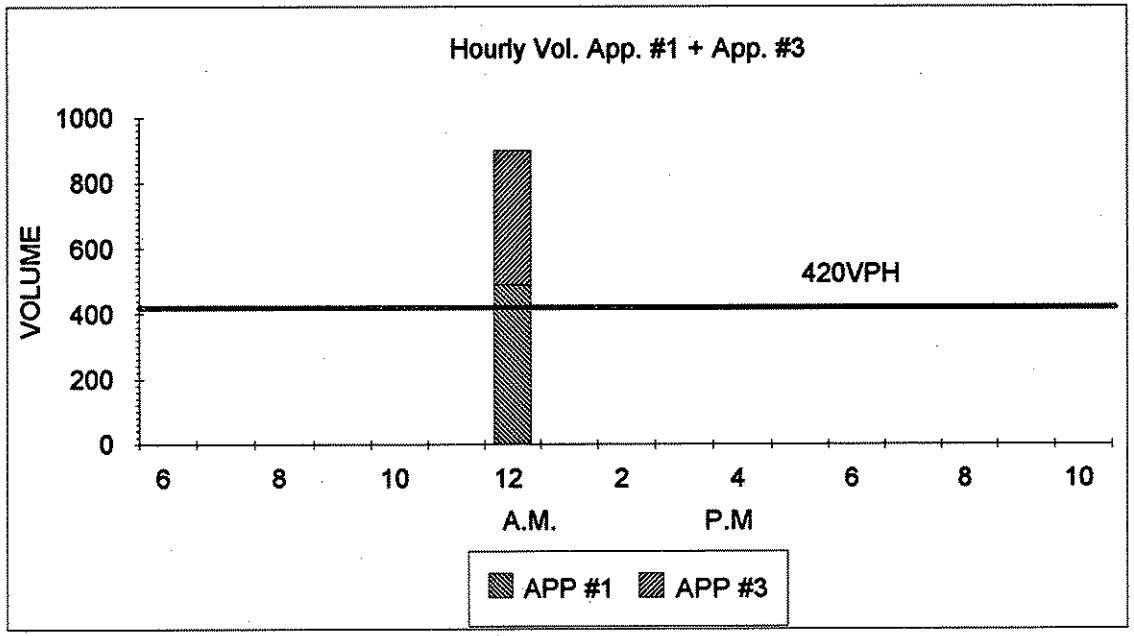
TMC9411 STOP WARRANT STUDY

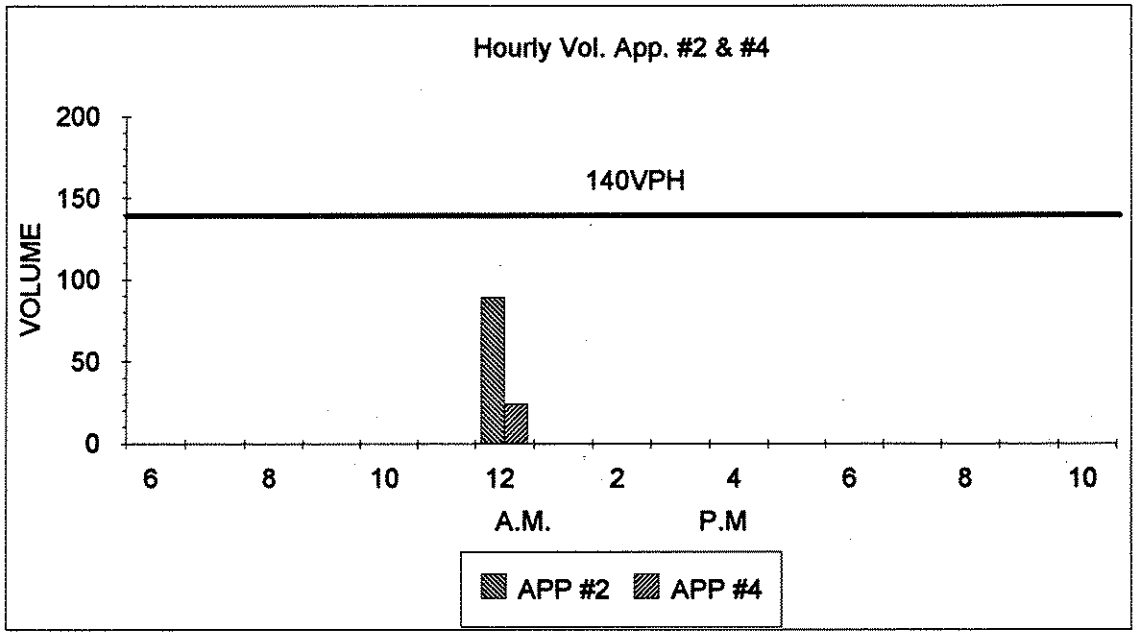




CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER

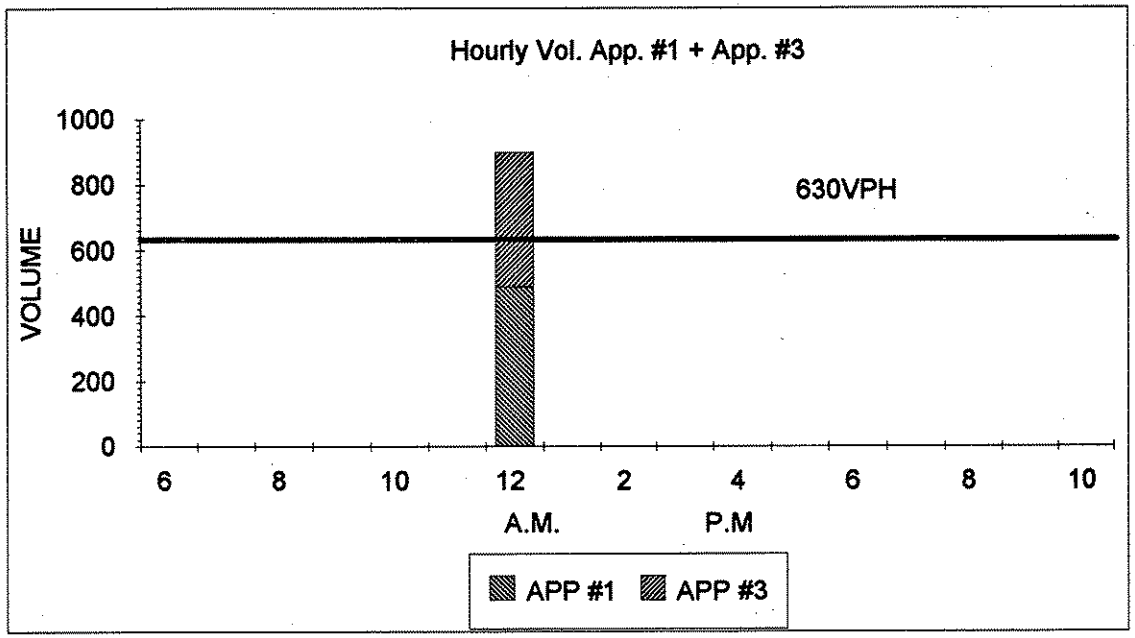
TMC9411 SIGNAL WARRANT 1 STUDY

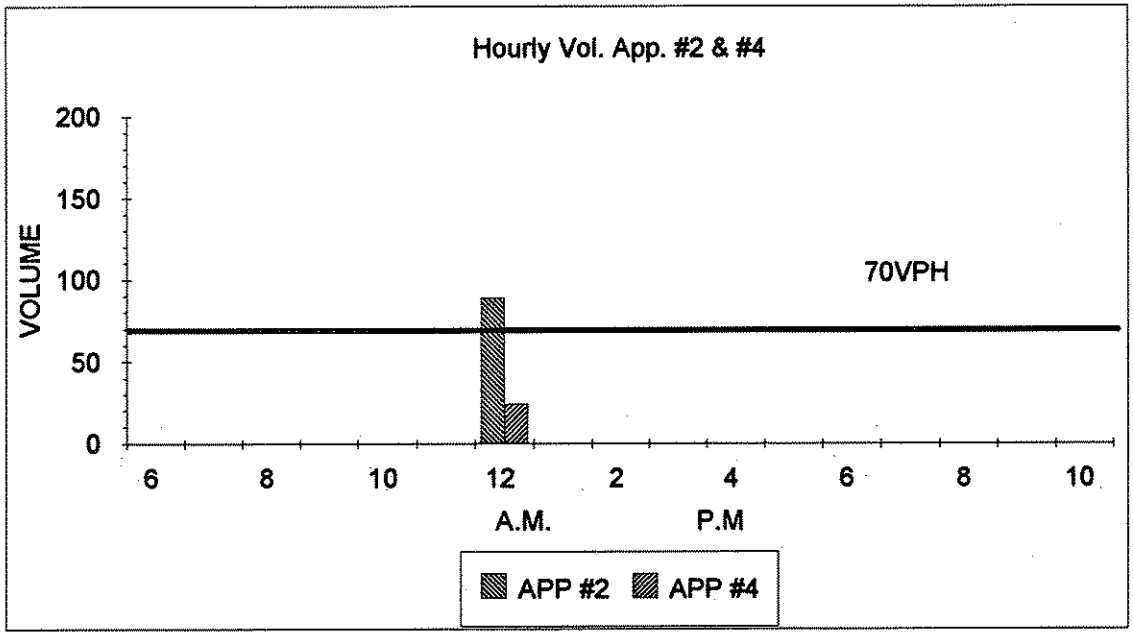




CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER

TMC9411 SIGNAL WARRANT 2 STUDY

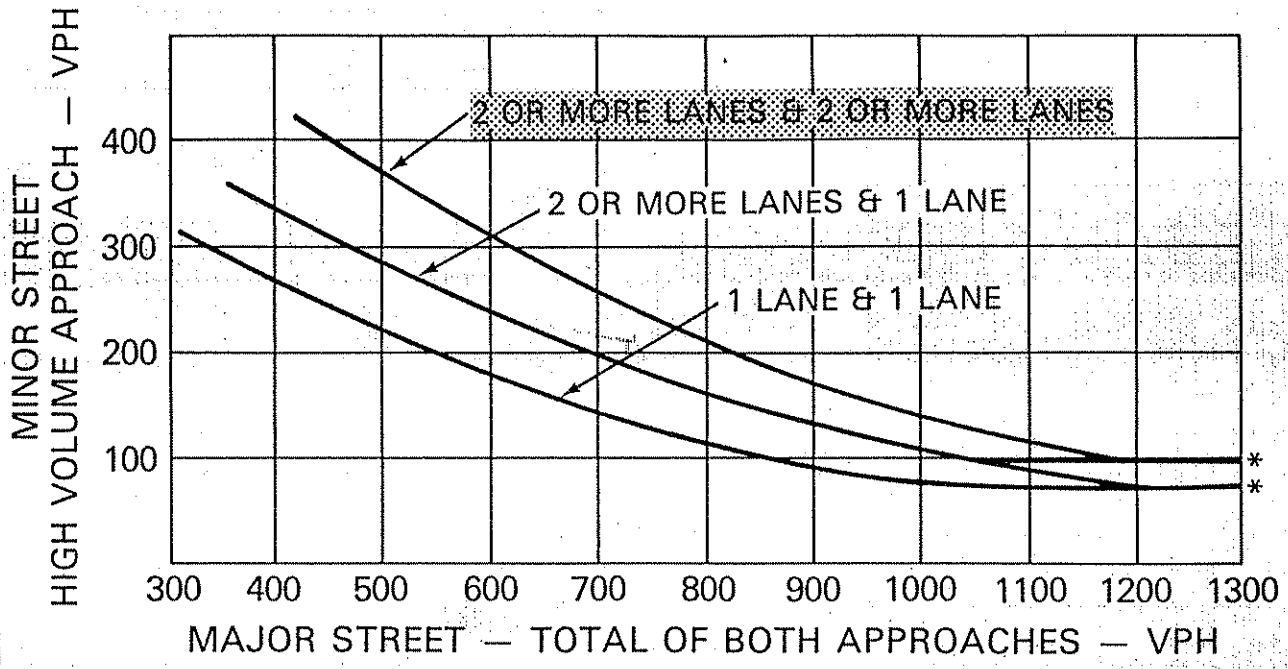




CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER

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.

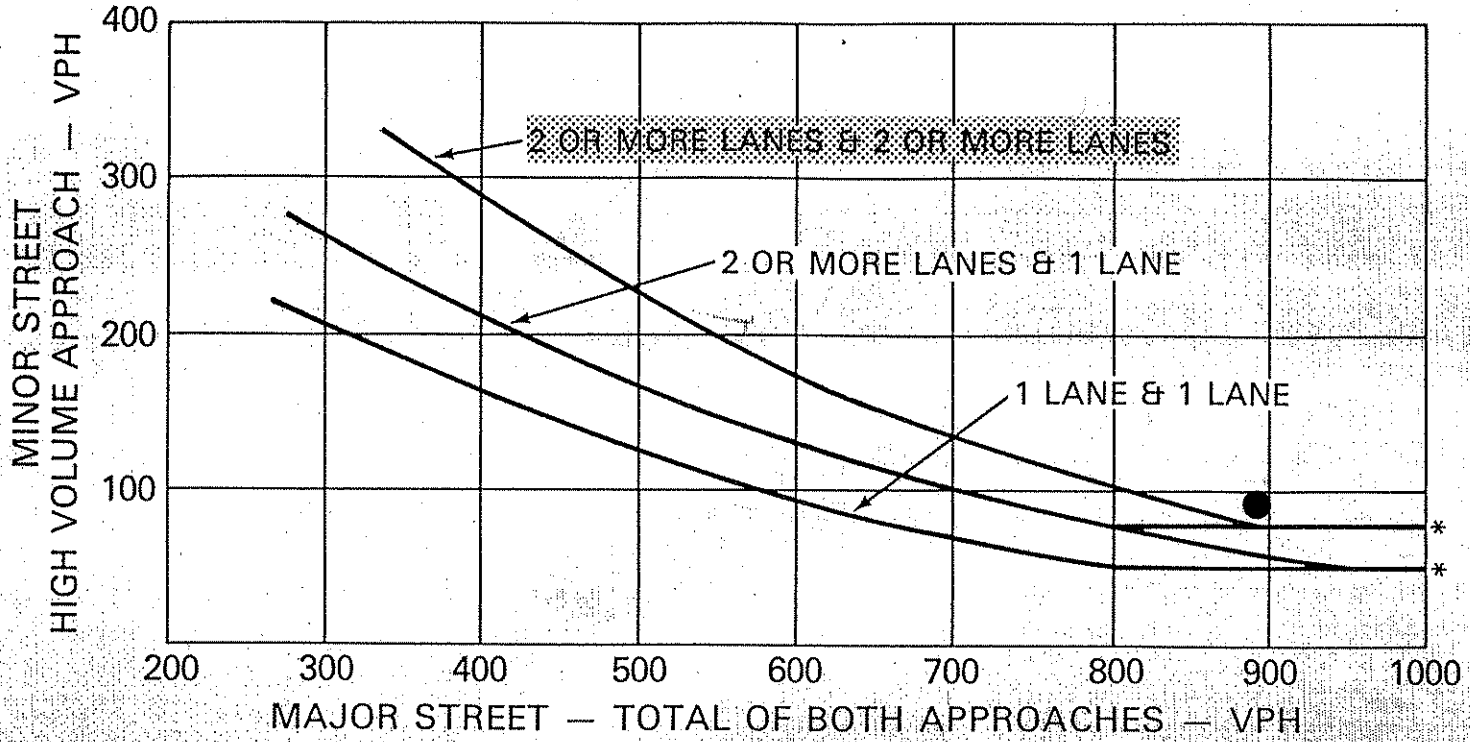
★ = VOLUMES WHICH EXCEED THE THRESHOLD BUT CANNOT BE REPRESENTED ON THE GRAPH.

TIME	MAJOR STREETS (VPH)	MINOR STREET (VPH)
6-7 am	0	0
7-8 am	0	0
8-9 am	0	0
9-10 am	0	0
10-11 am	0	0
11-12 pm	0	0
12-1 pm	898	89
1-2 pm	0	0
2-3 pm	0	0
3-4 pm	0	0
4-5 pm	0	0
5-6 pm	0	0
6-7 pm	0	0
7-8 pm	0	0
8-9 pm	0	0
9-10 pm	0	0

TMC9411 CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER

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	0	0
7-8 am	0	0
8-9 am	0	0
9-10 am	0	0
10-11 am	0	0
11-12 pm	0	0
● 12-1 pm	898	89
1-2 pm	0	0
2-3 pm	0	0
3-4 pm	0	0
4-5 pm	0	0
5-6 pm	0	0
6-7 pm	0	0
7-8 pm	0	0
8-9 pm	0	0
9-10 pm	0	0

TMC9411 CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER

COUNT LOCATION: CSAH 16 (BUNKER LAKE BLVD) @ DOWNTOWN CENTER **DATE:** 4/22/94

NORTH

APP. #1=WB CSAH 16 (BUNKER LAKE BLVD)
APP. #2=NB QUAY ST.
APP. #3=EB CSAH 16 (BUNKER LAKE BLVD)
APP. #4=SB QUAY ST.

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								
6:15-6:30								
6:30-6:45								
6:45-7:00								
HOURLY TOTAL						HOURLY TOTAL		
7:00-7:15								
7:15-7:30								
7:30-7:45								
7:45-8:00								
HOURLY TOTAL						HOURLY TOTAL		
8:00-8:15								
8:15-8:30								
8:30-8:45								
8:45-9:00								
HOURLY TOTAL						HOURLY TOTAL		
9:00-9:15								
9:15-9:30								
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		
10:00-10:15								
10:15-10:30								
10:30-10:45								
10:45-11:00								
HOURLY TOTAL						HOURLY TOTAL		
11:00-11:15								
11:15-11:30								
11:30-11:45								
11:45-12:00								
HOURLY TOTAL						HOURLY TOTAL		
12:00-12:15				4	4	11		3
12:15-12:30						13		2
12:30-12:45						12		4
12:45-1:00		3	3		6	5		3
HOURLY TOTAL					10	HOURLY TOTAL		53
1:00-1:15								
1:15-1:30								
1:30-1:45								
1:45-2:00								
HOURLY TOTAL						HOURLY TOTAL		