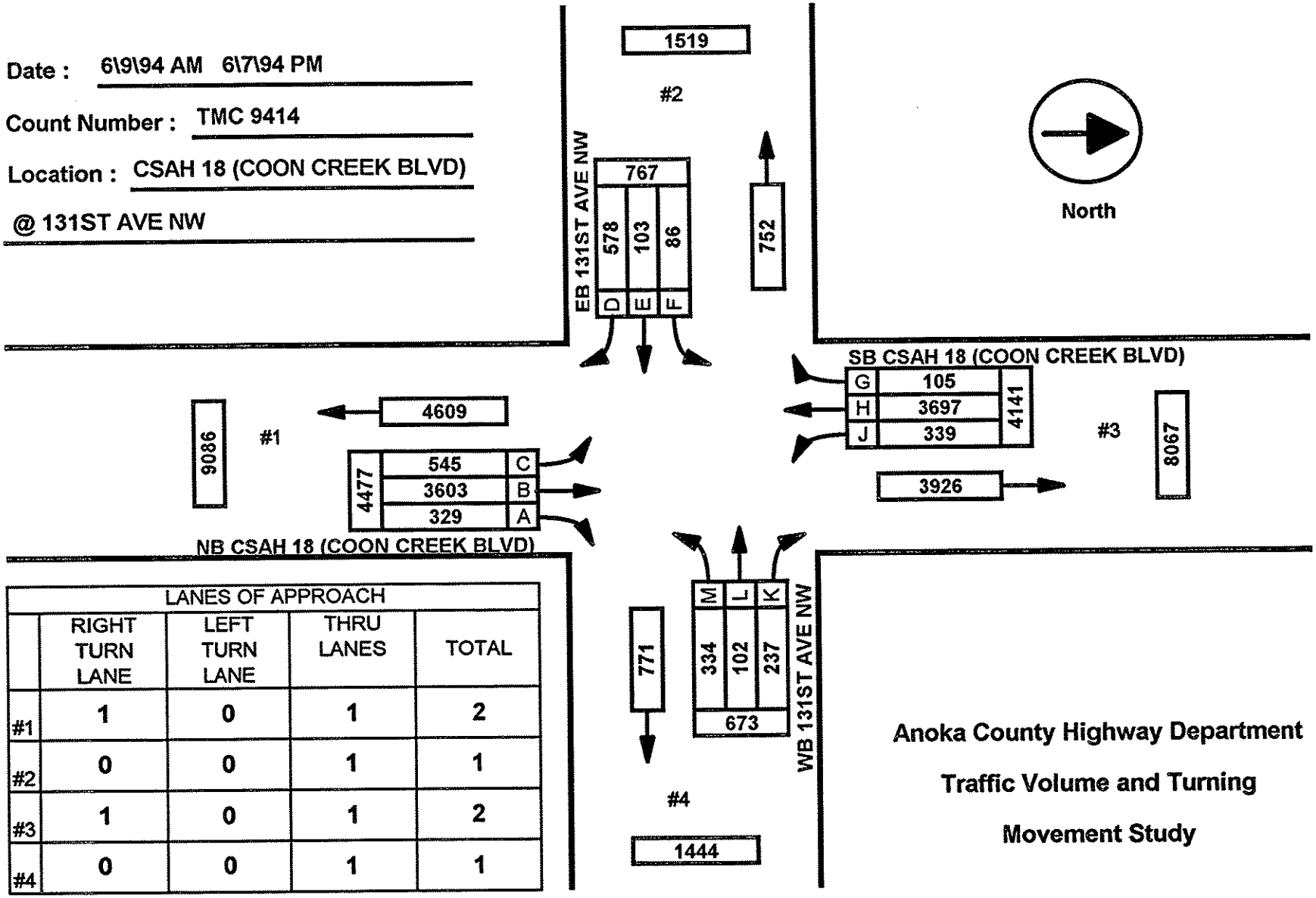
Date : 6\9\94 AM 6\7\94 PM

Count Number : TMC 9414

Location : CSAH 18 (COON CREEK BLVD)

@ 131ST AVE NW



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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

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

Counter :TDC EIGHT
Counted by ROGER BUTLER

Site Code : 94140201
Start Date: 06/07/94
File I.D. : TMC9114}0
Page : 1

Vehicle group 1

	CSAH 18 (COON CREEK BLVD) Southbound				131 ST AVE NW Westbound				CSAH 18 (COON CREEK BLVD) Northbound				131 ST AVE NW Eastbound					
Date 06/07/94	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Vehicle Total	Other Total
06:00	0	0	75	0	0	1	0	3	1	0	8	1	0	15	0	1	104	1
06:15	3	0	115	2	0	1	1	6	0	0	15	2	0	19	0	0	161	3
06:30	9	1	148	3	0	1	0	11	1	0	17	0	1	22	0	0	203	11
06:45	0	1	138	3	0	2	0	8	1	1	15	0	0	27	0	0	195	1
Hr Total	12	2	476	8	0	5	1	28	3	1	55	3	1	83	0	1	663	16
07:00	4	2	144	6	0	5	1	16	0	2	22	2	0	18	0	2	220	4
07:15	2	1	140	0	0	2	2	10	0	3	29	2	0	24	1	0	214	2
07:30	1	0	111	0	0	3	1	5	1	2	21	3	0	18	0	2	166	2
07:45	0	2	128	0	0	3	0	15	1	1	23	4	0	16	0	1	193	1
Hr Total	7	5	523	6	0	13	4	46	2	8	95	11	0	76	1	5	793	9
[illegible]	1	1	92	1	0	2	1	9	3	2	34	2	0	14	1	0	159	4
08:15	1	0	91	1	0	2	0	8	0	2	28	0	0	7	0	0	139	1
08:30	1	1	73	4	0	3	2	4	1	2	24	4	0	6	1	2	126	2
08:45	1	0	65	1	0	3	0	3	2	1	39	2	0	15	0	0	129	3
Hr Total	4	2	321	7	0	10	3	24	6	7	125	8	0	42	2	2	553	10
09:00	2	1	56	7	0	5	2	5	1	4	29	4	1	5	3	1	122	4
09:15	0	2	58	5	0	4	0	7	1	3	19	3	1	12	1	1	115	2
09:30	5	0	55	5	1	3	0	6	7	1	26	2	1	6	2	2	108	14
09:45	3	1	53	9	0	4	2	4	2	2	27	4	0	7	2	1	116	5
Hr Total	10	4	222	26	1	16	4	22	11	10	101	13	3	30	8	5	461	25
10:00	5	2	54	10	0	2	0	6	1	1	28	2	0	7	2	2	116	6
10:15	2	1	31	11	0	3	3	3	1	4	23	3	0	6	1	0	89	3
10:30	0	2	39	11	0	1	3	2	1	0	28	1	0	8	2	1	98	1
10:45	1	2	43	5	1	3	3	2	2	1	35	4	0	4	2	1	105	4
Hr Total	8	7	167	37	1	9	9	13	5	6	114	10	0	25	7	4	408	14
11:00	0	0	36	12	0	8	1	7	1	5	31	6	0	0	0	0	106	1
11:15	2	1	33	11	0	5	0	6	2	6	37	7	0	14	3	4	127	4
11:30	1	1	37	7	0	2	0	3	1	4	36	4	0	6	1	3	104	2
11:45	2	1	41	5	0	1	2	3	1	1	32	8	0	8	0	3	105	3
Hr Total	5	3	147	35	0	16	3	19	5	16	136	25	0	28	4	10	442	10
12:00	0	1	38	8	0	3	0	1	0	4	33	5	0	7	3	0	103	0
[illegible]	3	3	52	13	2	2	0	4	3	3	42	9	0	7	1	1	137	8
[illegible]	4	3	38	5	0	1	3	6	0	5	33	10	0	7	2	0	113	4
12:45	4	0	45	5	0	3	1	7	2	5	33	10	0	2	2	1	114	6
Hr Total	11	7	173	31	2	9	4	18	5	17	141	34	0	23	8	2	467	18

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

Counter :TDC EIGHT
Counted by ROGER BUTLER

Site Code : 94140201
Start Date: 06/07/94
File I.D. : TMC9114300
Page : 2

Vehicle group 1

	CSAH 18 (COON CREEK BLVD) Southbound				131 ST AVE NW Westbound				CSAH 18 (COON CREEK BLVD) Northbound				131 ST AVE NW Eastbound					
Date 06/07/94	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Vehicle Total	Other Total
13:00	0	0	37	2	0	4	4	5	2	4	37	3	0	4	2	1	103	2
13:15	0	2	36	5	1	3	1	2	3	0	41	11	0	10	1	0	112	4
13:30	2	1	35	4	0	3	2	3	3	3	30	7	0	12	2	1	103	5
13:45	1	1	30	4	0	0	0	2	1	2	33	4	0	10	1	0	87	2
Hr Total	3	4	138	15	1	10	7	12	9	9	141	25	0	36	6	2	405	13
14:00	3	0	52	0	1	3	2	5	3	4	41	9	0	7	2	1	126	7
14:15	3	3	38	4	0	3	0	3	3	1	58	1	0	3	1	0	115	6
14:30	9	0	52	6	0	2	1	4	3	7	59	7	1	8	1	0	147	13
14:45	6	4	59	2	1	1	1	5	3	5	57	6	0	1	1	1	143	10
Hr Total	21	7	201	12	2	9	4	17	12	17	215	23	1	19	5	2	531	36
[illegible]	2	3	54	3	0	3	1	3	9	12	66	13	1	4	2	1	165	12
15:15	3	3	33	2	2	5	2	2	7	7	85	10	1	4	2	2	157	13
15:30	2	1	45	4	0	5	1	5	7	6	91	15	2	5	1	1	180	11
15:45	3	2	49	4	0	2	4	1	4	12	93	15	0	11	2	1	196	7
Hr Total	10	9	181	13	2	15	8	11	27	37	335	53	4	24	7	5	698	43
16:00	2	2	64	2	0	8	0	2	9	12	98	18	1	8	1	3	218	12
16:15	3	3	55	5	3	6	3	6	3	10	120	10	0	5	1	1	225	9
16:30	0	3	62	6	0	7	3	2	3	12	110	15	0	8	1	2	231	3
16:45	2	2	54	8	0	8	2	3	1	13	161	24	0	11	1	1	288	3
Hr Total	7	10	235	21	3	29	8	13	16	47	489	67	1	32	4	7	962	27
17:00	0	3	54	5	0	9	4	10	1	13	136	23	0	9	4	5	275	1
17:15	1	2	59	8	0	2	2	5	0	14	152	19	0	9	2	0	274	1
17:30	2	3	74	7	0	6	3	11	4	12	146	16	0	19	3	2	302	6
17:45	0	5	61	9	0	3	1	11	1	9	150	15	0	9	2	3	278	1
Hr Total	3	13	248	29	0	20	10	37	6	48	584	73	0	46	11	10	1129	9
18:00	1	3	66	9	0	7	1	6	0	11	134	19	0	10	0	3	269	1
18:15	0	1	59	1	0	9	1	6	0	10	114	17	0	13	4	1	236	0
18:30	0	4	55	3	0	3	4	7	3	6	77	16	0	9	1	0	185	3
18:45	0	1	52	6	1	9	2	9	0	7	73	13	0	15	2	1	190	1
Hr Total	1	9	232	19	1	28	8	28	3	34	398	65	0	47	7	5	880	5
19:00	0	3	57	5	0	4	4	3	0	8	65	16	0	14	3	6	188	0
[illegible]	0	3	50	3	0	6	1	7	0	10	60	13	0	14	5	3	175	0
[illegible]	0	2	38	6	0	4	4	4	2	4	63	13	0	5	1	2	146	2
19:45	2	1	53	5	0	3	2	6	1	9	68	10	0	6	4	1	168	3
Hr Total	2	9	198	19	0	17	11	20	3	31	256	52	0	39	13	12	677	5

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

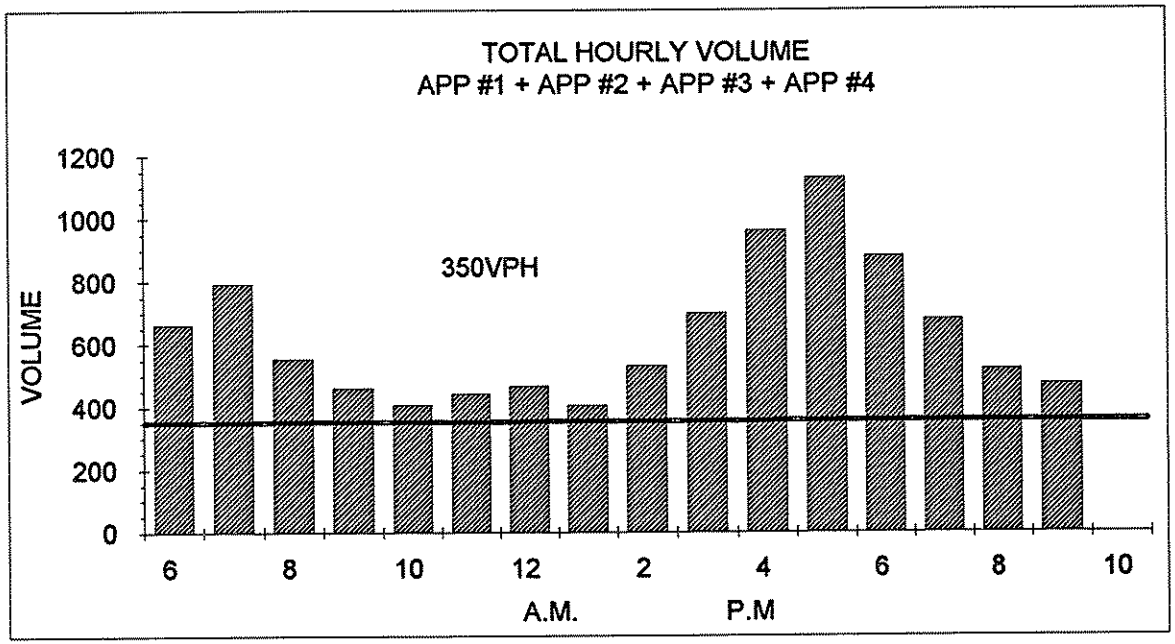
Counter :TDC EIGHT
Counted by ROGER BUTLER

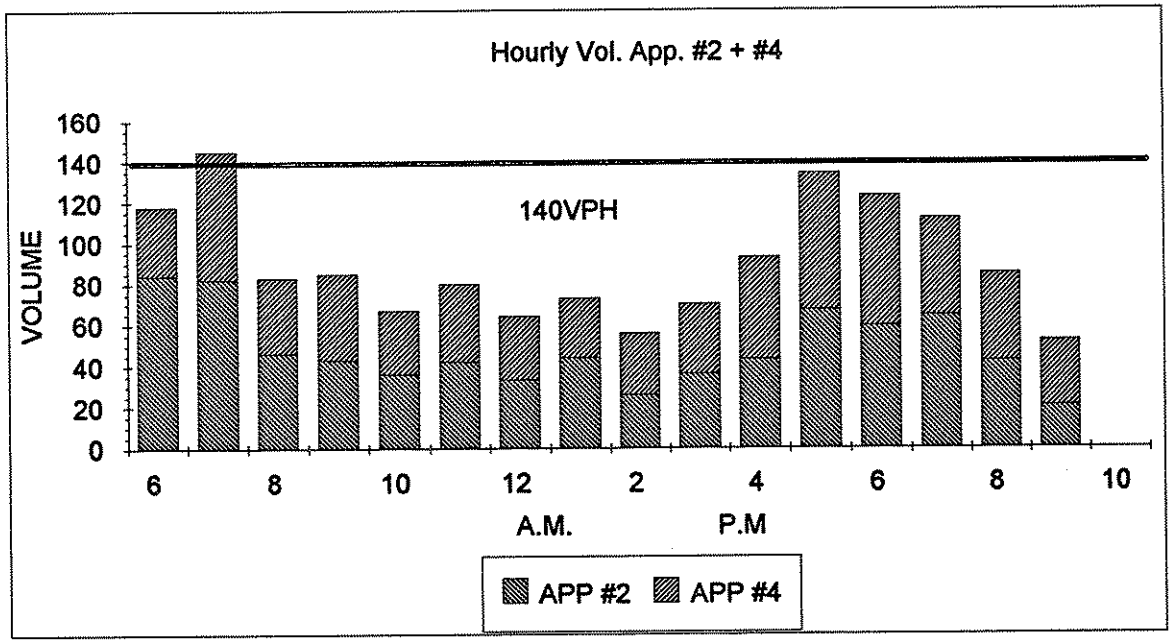
Site Code : 94140201
Start Date: 06/07/94
File I.D. : TMC9114}0(
Page : 3

Vehicle group 1

	CSAH 18 (COON CREEK BLVD) Southbound				131 ST AVE NW Westbound				CSAH 18 (COON CREEK BLVD) Northbound				131 ST AVE NW Eastbound					
Date 06/07/94	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Other	Right	Thru	Left	Vehicle Total	Other Total
20:00	0	1	46	9	0	4	2	3	0	7	53	10	0	3	3	3	144	0
20:15	0	1	20	13	1	4	5	0	1	4	39	13	0	7	4	2	112	2
20:30	0	3	26	11	0	5	4	10	0	4	43	7	0	6	5	2	126	0
20:45	2	2	29	8	0	3	1	2	3	8	68	8	0	3	3	1	136	5
Hr Total	2	7	121	41	1	16	12	15	4	23	203	38	0	19	15	8	518	7
21:00	0	2	37	1	0	4	1	4	1	10	56	7	0	3	1	1	127	1
21:15	0	2	35	6	0	4	3	2	0	6	61	11	0	1	2	2	135	0
21:30	0	2	24	4	0	3	1	2	1	1	45	17	0	3	1	2	105	1
21:45	0	1	18	9	0	4	1	3	2	1	53	10	0	2	1	1	104	2
Hr Total	0	7	114	20	0	15	6	11	4	18	215	45	0	9	5	6	471	4
TOTAL	106	105	3697	339	14	237	102	334	121	329	3603	545	10	578	103	86	10058	251

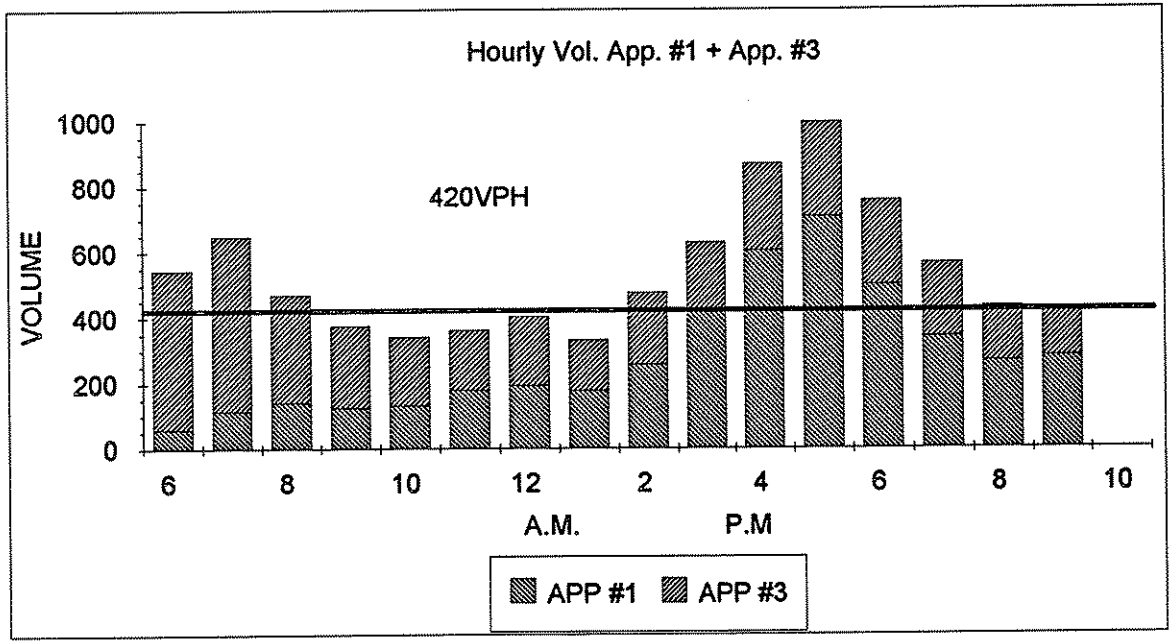
TMC9414 STOP WARRANT STUDY

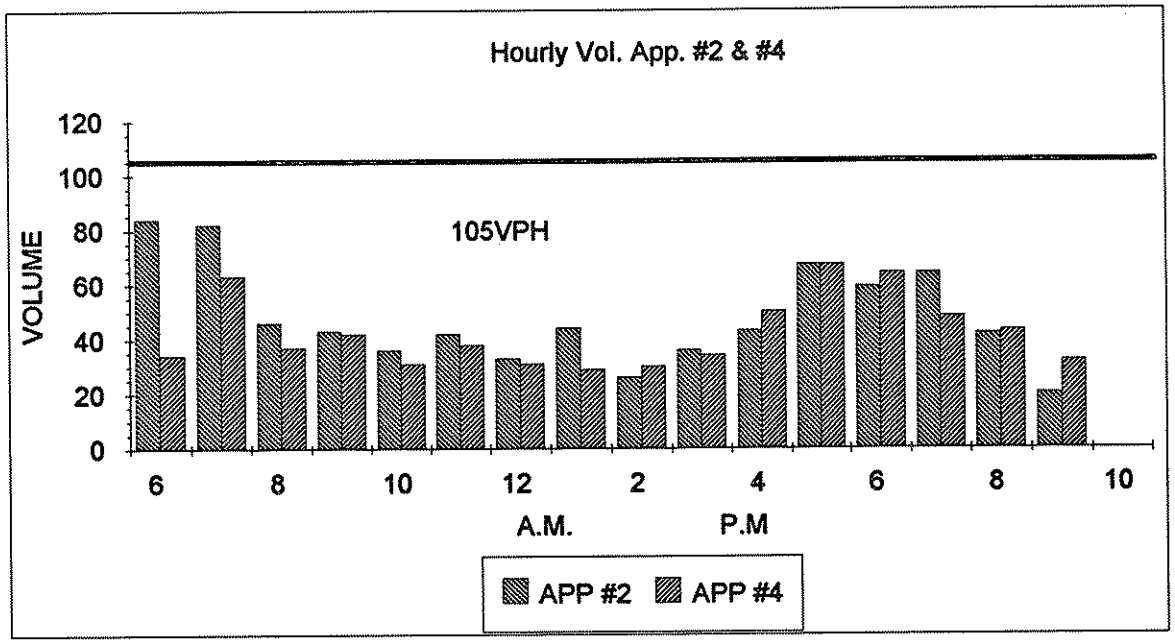




CSAH 18 (COON CREEK BLVD) @ 131ST AVE NW

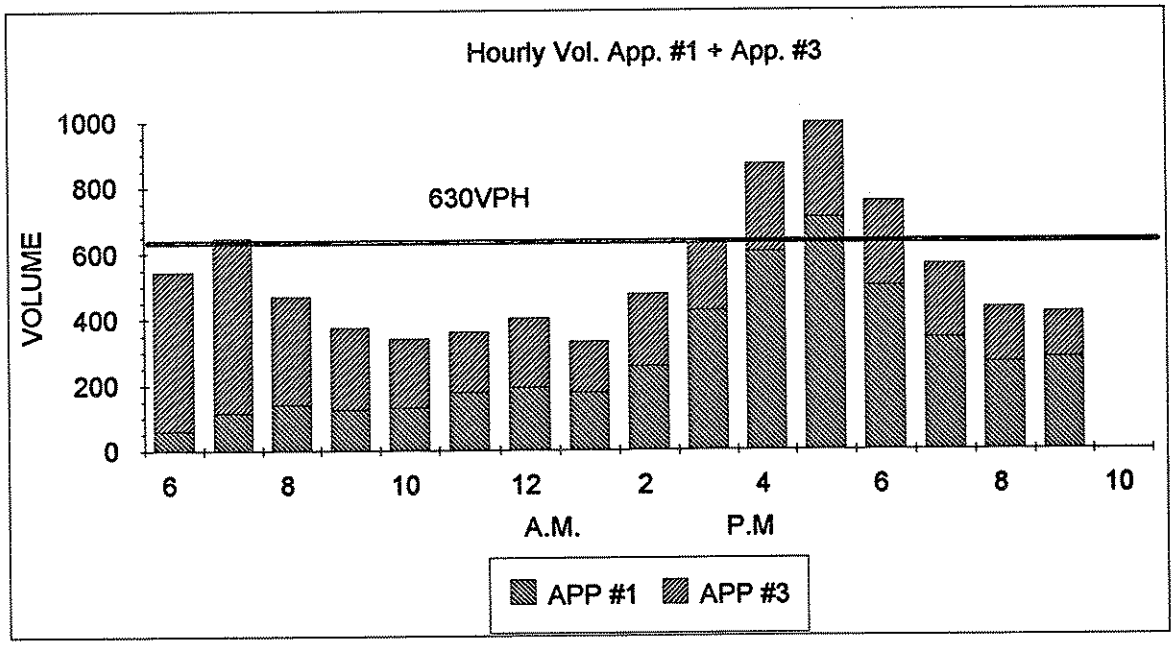
TMC9414 SIGNAL WARRANT 1 STUDY

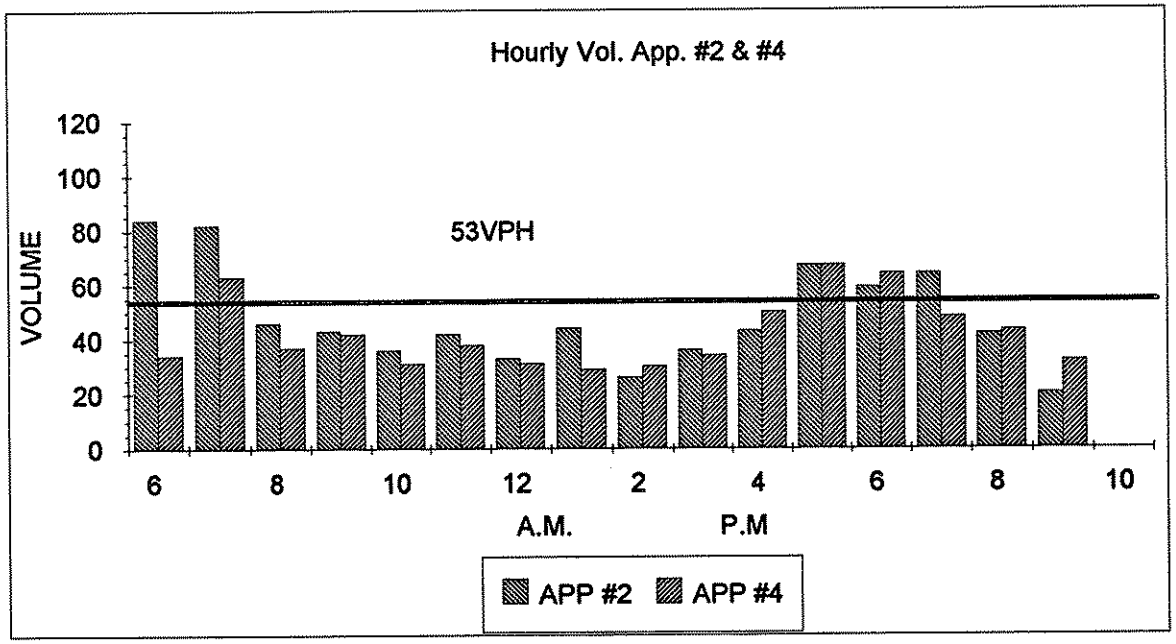




CSAH 18 (COON CREEK BLVD) @ 131ST AVE

TMC9414 SIGNAL WARRANT 2 STUDY

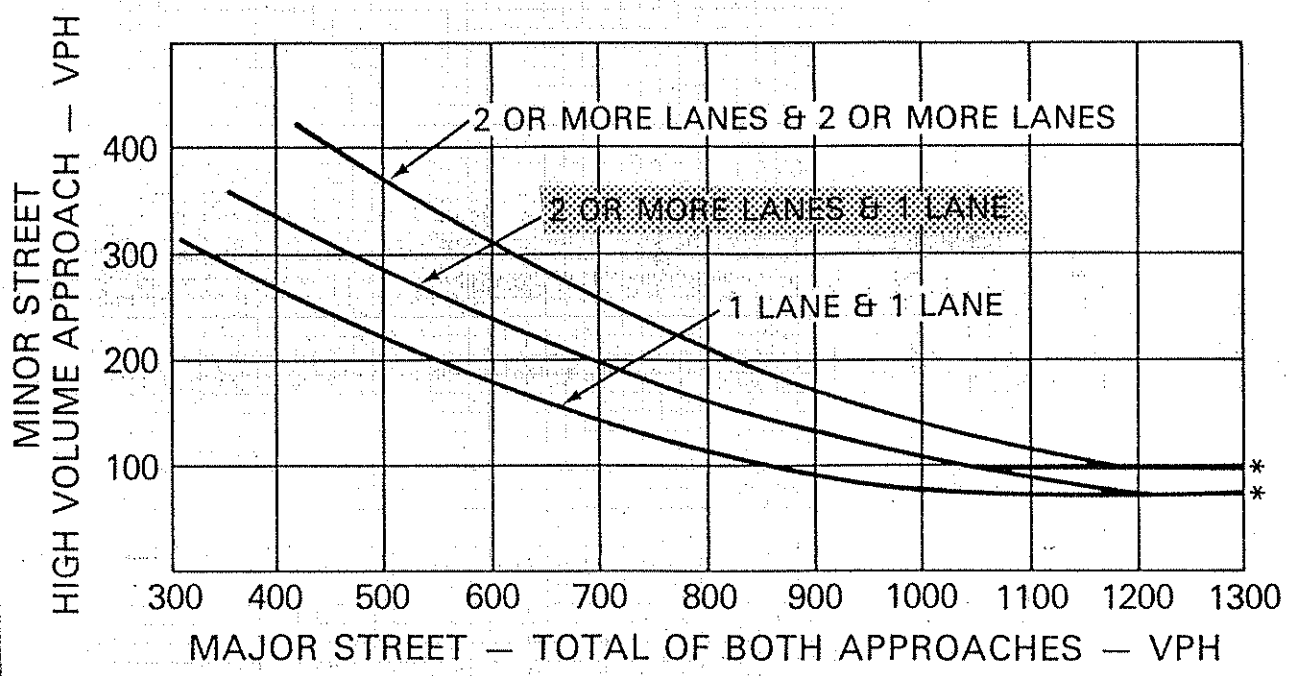




CSAH 18 (COON CREEK BLVD) @ 131ST AVE

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.

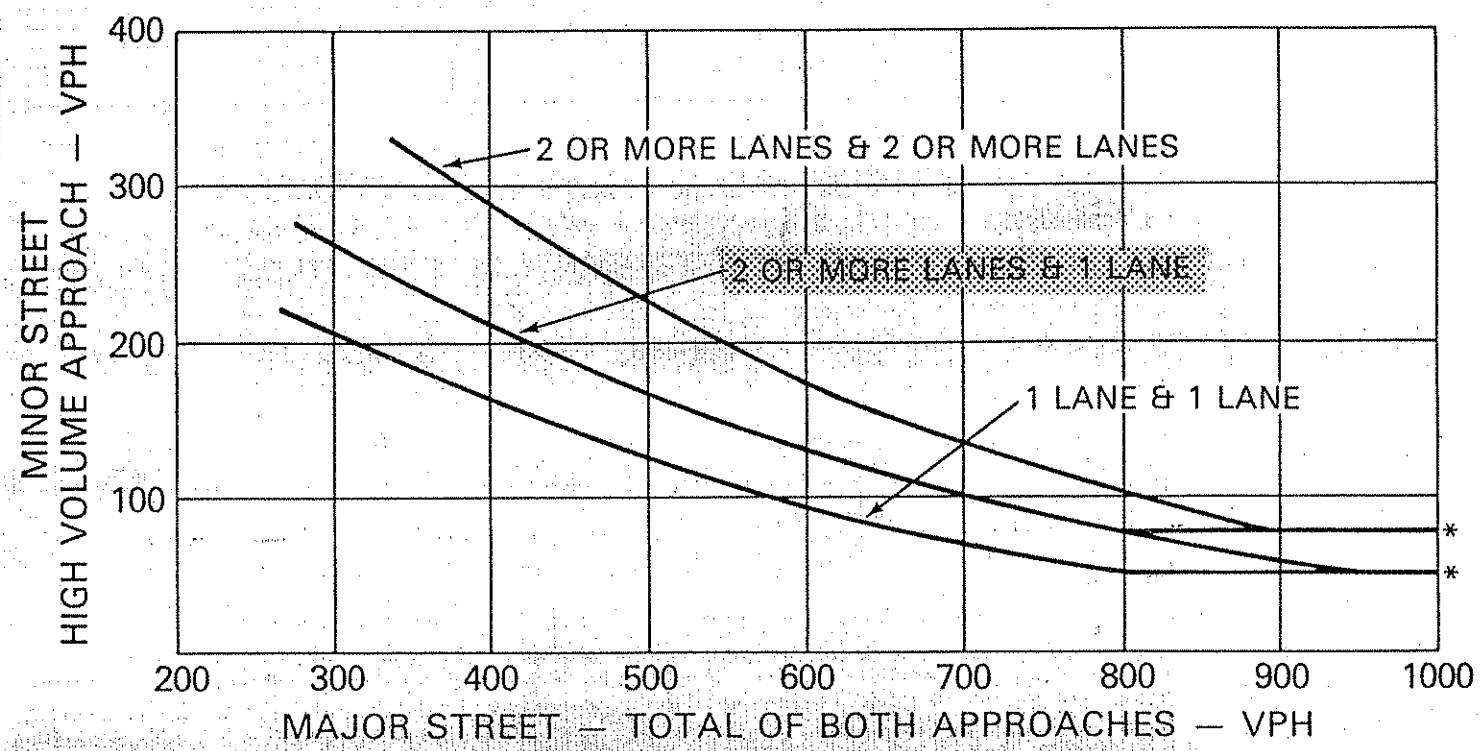
★ = VOLUMES WHICH EXCEED THE THRESHOLD BUT CANNOT BE REPRESENTED ON THE GRAPH.

TIME	MAJOR STREETS (VPH)	MINOR STREET (VPH)
6-7 am	545	84
7-8 am	648	82
8-9 am	470	46
9-10 am	376	43
10-11 am	341	36
11-12 pm	362	42
12-1 pm	403	33
1-2 pm	332	44
2-3 pm	475	30
3-4 pm	628	36
4-5 pm	869	50
5-6 pm	995	67
6-7 pm	757	64
7-8 pm	565	64
8-9 pm	433	43
9-10 pm	419	32

TMC9414 CSAH 18 (COON CREEK BLVD) @ 131ST AVE NW

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	545	84
7-8 am	648	82
8-9 am	470	46
9-10 am	376	43
10-11 am	341	36
11-12 pm	362	42
12-1 pm	403	33
1-2 pm	332	44
2-3 pm	475	30
3-4 pm	628	36
4-5 pm	869	50
5-6 pm	995	67
6-7 pm	757	64
7-8 pm	565	64
8-9 pm	433	43
9-10 pm	419	32

TMC9414 CSAH 18 (COON CREEK BLVD) @ 131ST AVE NW

COUNT LOCATION: CSAH 18 (COON CREEK BLVD NW) / 131 ST AVE NW **DATE:** 6/9/94

NORTH

APP. #1= WB 131 ST AVE NW
APP. #2=NB CSAH 18 (COON CREEK BLVD)
APP. #3= EB 131 ST AVE NW
APP. #4=SB CSAH 18 (COON CREEK BLVD)

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						3		
6:30-6:45						11		
6:45-7:00	1			1	2	1		
HOURLY TOTAL					2	HOURLY TOTAL		15
7:00-7:15		1			1	4		
7:15-7:30						3		
7:30-7:45						1		
7:45-8:00						1		
HOURLY TOTAL					1	HOURLY TOTAL		9
8:00-8:15						3		
8:15-8:30						1		
8:30-8:45						4		
8:45-9:00						2		1
HOURLY TOTAL						HOURLY TOTAL		11
9:00-9:15						4		
9:15-9:30						2		1
9:30-9:45	2	1	2	2	7	13		
9:45-10:00						4		1
HOURLY TOTAL					7	HOURLY TOTAL		25
10:00-10:15	1		1	2	4	5		1
10:15-10:30				2	2	4		
10:30-10:45				1	1	2		
10:45-11:00				1	1	4		
HOURLY TOTAL					8	HOURLY TOTAL		16
11:00-11:15				1	1	3		
11:15-11:30			2	3	5	3		
11:30-11:45			1	2		3		
11:45-12:00			2	1	3	3		
HOURLY TOTAL					9	HOURLY TOTAL		12
12:00-12:15								
12:15-12:30			3		3	7		1
12:30-12:45			3	2	5	3		
12:45-1:00				6	6	2		1
HOURLY TOTAL					14	HOURLY TOTAL		14
1:00-1:15						3		
1:15-1:30			3	2	5	3		
1:30-1:45				7	7	5		
1:45-2:00						2		
HOURLY TOTAL					12	HOURLY TOTAL		13

COUNT LOCATION: CSAH 18 (COON CREEK BLVD) @ 131 ST AVE NW **DATE:** 6/7/94

NORTH

APP. #1= WB 131 ST AVE NW
APP. #2=NB CSAH 18 (COON CREEK BLVD)
APP. #3= EB 131 ST AVE NW
APP. #4=SB CSAH 18 (COON CREEK BLVD)

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
2:00-2:15PM						4	1	2
2:15-2:30						5	1	
2:30-2:45						6		4
2:45-3:00						3		5
HOURLY TOTAL						HOURLY TOTAL		31
3:00-3:15						5		1
3:15-3:30	1			1	2	7		5
3:30-3:45						3		3
3:45-4:00				2	2	4		2
HOURLY TOTAL					4	HOURLY TOTAL		30
4:00-4:15						3	1	6
4:15-4:30		1	3	4	8	6		7
4:30-4:45								
4:45-5:00								
HOURLY TOTAL					8	HOURLY TOTAL		23
5:00-5:15						2		
5:15-5:30			1	1	2	2		
5:30-5:45	1			1	2	3		
5:45-6:00						1		
HOURLY TOTAL					4	HOURLY TOTAL		8
6:00-6:15		2	1	1	4			1
6:15-6:30		1	2	1	4			
6:30-6:45		2		4	6	4		
6:45-7:00			1		1			
HOURLY TOTAL					15	HOURLY TOTAL		5
7:00-7:15				5	5			
7:15-7:30	1			2	3	1		
7:30-7:45	3	1		5	9			
7:45-8:00		4		3	7	3		
HOURLY TOTAL					24	HOURLY TOTAL		4
8:00-8:15	1			2	3			
8:15-8:30	3	2	4		9	2		
8:30-8:45			2	2	4			
8:45-9:00			5		5	5		
HOURLY TOTAL					21	HOURLY TOTAL		7
9:00-9:15		1			1	1		
9:15-9:30								
9:30-9:45	2	1			3	1		
9:45-10:00						1	1	
HOURLY TOTAL					4	HOURLY TOTAL		4