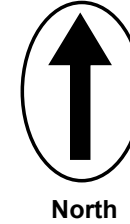


Date: 08/29/24

Count Number: TMC 2472

Location: CSAH 22  
@ 188th Ave NW

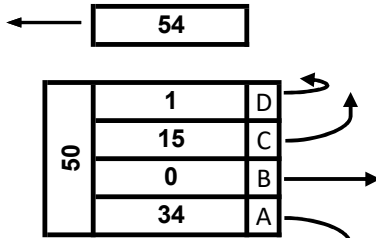
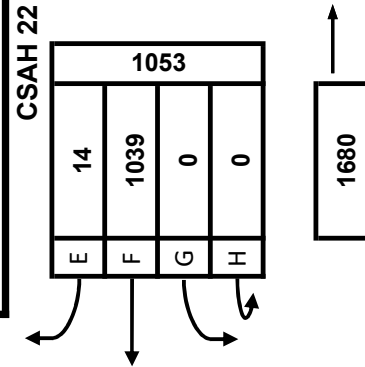
Collection Period: 24 HR



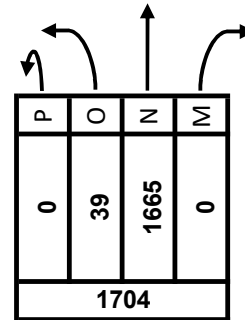
North

2733

#2



188th Ave NW



CSAH 22

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

Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

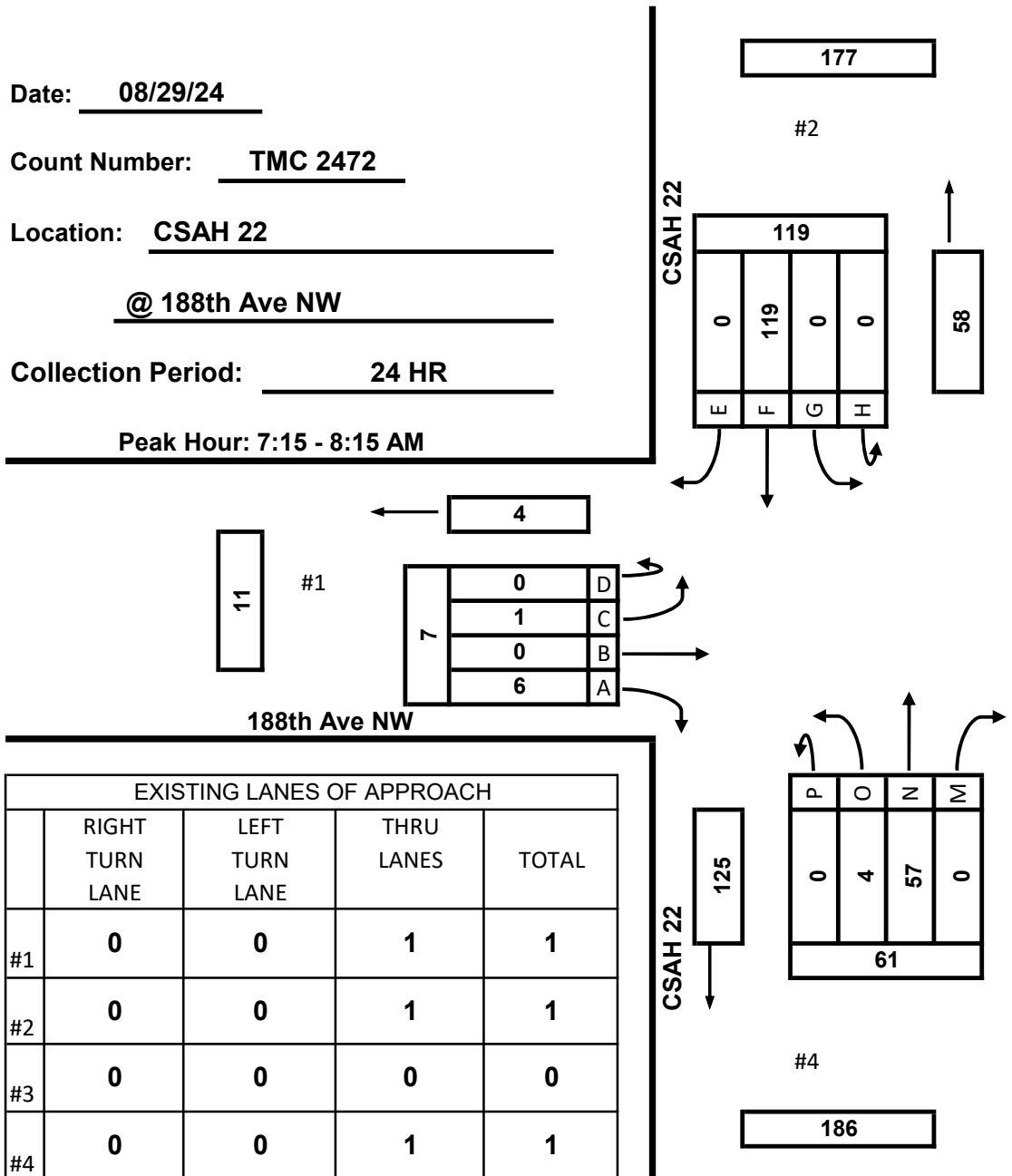
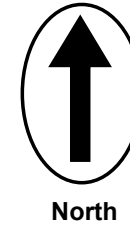
Date: 08/29/24

Count Number: TMC 2472

Location: CSAH 22  
@ 188th Ave NW

Collection Period: 24 HR

Peak Hour: 7:15 - 8:15 AM



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

Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

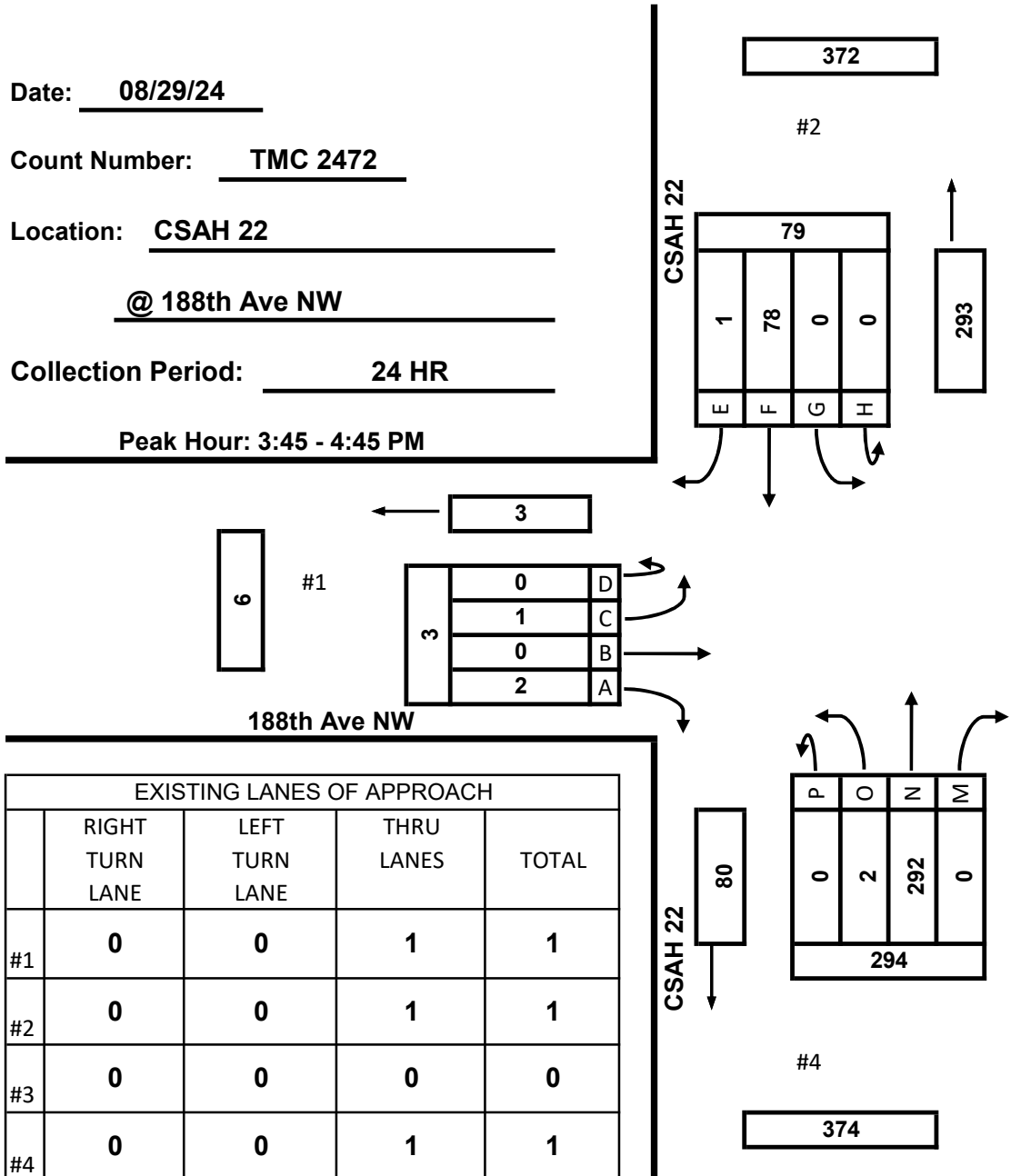
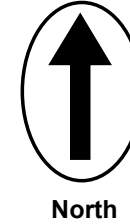
Date: 08/29/24

Count Number: TMC 2472

Location: CSAH 22  
@ 188th Ave NW

Collection Period: 24 HR

Peak Hour: 3:45 - 4:45 PM



Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

**TMC 2472 - CSAH 22 @ 188th Ave NW  
Nowthen MN  
Thursday, August 29, 2024**

Time	Southbound CSAH 22						Westbound 0						Northbound CSAH 22						Eastbound 188th Ave NW						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	2
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	9
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	3
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
2:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
3:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6
4:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
4:15 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	11
4:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6
4:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	7
Hourly Total	0	0	21	0	0	21	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	1	0	1	28
5:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	5
5:15 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	11
5:30 AM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	18
5:45 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	19
Hourly Total	0	0	40	0	0	40	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	53
6:00 AM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	2	0	2	32
6:15 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	36
6:30 AM	0	0	36	0	0	36	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	44
6:45 AM	0	0	24	0	0	24	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	37
Hourly Total	0	0	107	0	0	107	0	0	0	0	0	0	0	0	39	0	0	39	0	0	0	3	0	3	149
7:00 AM	0	0	27	0	0	27	0	0	0	0	0	0	0	0	12	0	0	12	0	1	0	0	0	1	40
7:15 AM	0	0	33	0	0	33	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	1	0	1	48
7:30 AM	0	0	31	0	0	31	0	0	0	0	0	0	0	1	14	0	0	15	0	1	0	1	0	2	48
7:45 AM	0	0	30	0	0	30	0	0	0	0	0	0	0	3	11	0	0	14	0	0	0	1	0	1	45
Hourly Total	0	0	121	0	0	121	0	0	0	0	0	0	0	4	51	0	0	55	0	2	0	3	0	5	181

**TMC 2472 - CSAH 22 @ 188th Ave NW  
Nowthen MN  
Thursday, August 29, 2024**

Time	Southbound CSAH 22						Westbound 0						Northbound CSAH 22						Eastbound 188th Ave NW						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
8:00 AM	0	0	25	0	0	25	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	3	0	3	46
8:15 AM	0	0	12	0	0	12	0	0	0	0	0	0	0	1	15	0	0	16	0	0	0	0	0	0	28
8:30 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	21
8:45 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	24
Hourly Total	0	0	65	0	0	65	0	0	0	0	0	0	0	1	50	0	0	51	0	0	0	3	0	3	119
9:00 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	1	0	1	33
9:15 AM	0	0	17	0	0	17	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	31
9:30 AM	0	0	18	0	0	18	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	1	0	1	30
9:45 AM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	10	0	0	10	0	1	0	0	0	1	26
Hourly Total	0	0	66	0	0	66	0	0	0	0	0	0	0	0	51	0	0	51	0	1	0	2	0	3	120
10:00 AM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	27	0	0	27	0	0	0	0	0	0	39
10:15 AM	0	0	15	1	0	16	0	0	0	0	0	0	0	2	17	0	0	19	0	0	0	0	0	0	35
10:30 AM	0	0	18	1	0	19	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	1	0	1	34
10:45 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	1	21	0	0	22	0	2	0	0	0	2	38
Hourly Total	0	0	59	2	0	61	0	0	0	0	0	0	0	3	79	0	0	82	0	2	0	1	0	3	146
11:00 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	20	0	0	20	0	0	0	1	0	1	30
11:15 AM	0	0	15	0	0	15	0	0	0	0	0	0	0	1	19	0	1	20	0	0	0	0	0	0	35
11:30 AM	0	0	17	0	0	17	0	0	0	0	0	0	0	1	20	0	1	21	0	0	0	1	0	1	39
11:45 AM	0	0	6	1	0	7	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	20
Hourly Total	0	0	47	1	0	48	0	0	0	0	0	0	0	2	72	0	2	74	0	0	0	2	0	2	124
12:00 PM	0	0	13	0	0	13	0	0	0	0	0	0	0	2	20	0	0	22	0	0	0	1	0	1	36
12:15 PM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	1	0	1	31
12:30 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	28	0	0	28	0	0	0	0	0	0	38
12:45 PM	0	0	16	1	0	17	0	0	0	0	0	0	0	1	12	0	0	13	0	1	0	0	0	1	31
Hourly Total	0	0	51	1	0	52	0	0	0	0	0	0	0	3	78	0	0	81	0	1	0	2	0	3	136
1:00 PM	0	0	17	0	0	17	0	0	0	0	0	0	0	0	34	0	0	34	0	0	0	1	0	1	52
1:15 PM	0	0	10	1	0	11	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	27
1:30 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	22	0	0	22	0	1	0	0	0	1	33
1:45 PM	0	0	22	0	0	22	0	0	0	0	0	0	0	0	26	0	0	26	0	0	0	0	0	0	48
Hourly Total	0	0	59	1	0	60	0	0	0	0	0	0	0	0	98	0	0	98	0	1	0	1	0	2	160
2:00 PM	0	0	22	0	0	22	0	0	0	0	0	0	0	0	28	0	0	28	0	0	0	1	0	1	51
2:15 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	0	36	0	0	36	0	0	0	1	0	1	58
2:30 PM	0	0	23	1	0	24	0	0	0	0	0	0	0	1	41	0	0	42	0	0	0	0	0	0	66
2:45 PM	0	0	21	1	0	22	0	0	0	0	0	0	0	3	37	0	0	40	0	0	0	0	0	0	62
Hourly Total	0	0	87	2	0	89	0	0	0	0	0	0	0	4	142	0	0	146	0	0	0	2	0	2	237
3:00 PM	0	0	16	0	0	16	0	0	0	0	0	0	0	2	54	0	0	56	1	1	0	1	0	3	75
3:15 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	2	68	0	0	70	0	2	0	0	0	2	86
3:30 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	0	68	0	0	68	0	0	0	4	0	4	88
3:45 PM	0	0	22	1	0	23	0	0	0	0	0	0	0	0	75	0	0	75	0	0	0	1	0	1	99
Hourly Total	0	0	67	2	0	69	0	0	0	0	0	0	0	4	265	0	0	269	1	3	0	6	0	10	348

**TMC 2472 - CSAH 22 @ 188th Ave NW  
Nowthen MN  
Thursday, August 29, 2024**

Time	Southbound CSAH 22						Westbound 0						Northbound CSAH 22						Eastbound 188th Ave NW						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	1	71	0	0	72	0	0	0	1	0	1	94
4:15 PM	0	0	22	0	0	22	0	0	0	0	0	0	0	1	70	0	0	71	0	1	0	0	0	1	94
4:30 PM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	76	0	0	76	0	0	0	0	0	0	89
4:45 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	3	69	0	0	72	0	0	0	0	0	0	86
Hourly Total	0	0	70	0	0	70	0	0	0	0	0	0	0	5	286	0	0	291	0	1	0	1	0	2	363
5:00 PM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	59	0	0	59	0	0	0	0	0	0	71
5:15 PM	0	0	16	0	0	16	0	0	0	0	0	0	0	1	42	0	0	43	0	0	0	0	0	0	59
5:30 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	42	0	0	42	0	0	0	0	0	0	50
5:45 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	1	37	0	0	38	0	1	0	2	0	3	51
Hourly Total	0	0	46	0	0	46	0	0	0	0	0	0	0	2	180	0	0	182	0	1	0	2	0	3	231
6:00 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	1	29	0	0	30	0	0	0	0	0	0	44
6:15 PM	0	0	16	0	0	16	0	0	0	0	0	0	0	1	31	0	0	32	0	1	0	1	0	2	50
6:30 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	22	0	0	22	0	0	0	0	0	0	32
6:45 PM	0	0	4	2	0	6	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	22
Hourly Total	0	0	44	2	0	46	0	0	0	0	0	0	0	2	98	0	0	100	0	1	0	1	0	2	148
7:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	2	14	0	0	16	0	1	0	1	0	2	20
7:15 PM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	1	0	1	32
7:30 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	17
7:45 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	2	9	0	0	11	0	0	0	0	0	0	17
Hourly Total	0	0	27	0	0	27	0	0	0	0	0	0	0	4	52	0	0	56	0	1	0	2	0	3	86
8:00 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	1	10	0	0	11	0	0	0	1	0	1	17
8:15 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	2	12	0	0	14	0	0	0	0	0	0	19
8:30 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	21
8:45 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	1	9	0	0	10	0	0	0	0	0	0	15
Hourly Total	0	0	20	0	0	20	0	0	0	0	0	0	0	4	47	0	0	51	0	0	0	1	0	1	72
9:00 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	9
9:15 PM	0	0	6	2	0	8	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	16
9:30 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	13
9:45 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	8
Hourly Total	0	0	20	2	0	22	0	0	0	0	0	0	0	0	24	0	0	24	0	0	0	0	0	0	46
10:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	10
10:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
10:30 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	8
10:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
Hourly Total	0	0	8	0	0	8	0	0	0	0	0	0	0	0	15	0	0	15	0	0	0	0	0	0	23
11:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	0	1	6
11:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
11:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
11:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4
Hourly Total	0	0	5	1	0	6	0	0	0	0	0	0	0	0	10	0	0	10	0	1	0	0	0	1	17
<b>DAILY TOTAL</b>	<b>0</b>	<b>0</b>	<b>1039</b>	<b>14</b>	<b>0</b>	<b>1053</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>1665</b>	<b>0</b>	<b>2</b>	<b>1704</b>	<b>1</b>	<b>15</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>50</b>	<b>2807</b>
<b>Cars</b>	<b>0</b>	<b>0</b>	<b>845</b>	<b>14</b>	<b>0</b>	<b>859</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>1454</b>	<b>0</b>	<b>2</b>	<b>1492</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>48</b>	<b>2399</b>
<b>Heavy Vehicles</b>	<b>0</b>	<b>0</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>211</b>	<b>0</b>	<b>0</b>	<b>212</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>408</b>
<b>Heavy Vehicle %</b>	<b>0.00%</b>	<b>0.00%</b>	<b>18.67%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>18.42%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>2.56%</b>	<b>12.67%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>12.44%</b>	<b>0.00%</b>	<b>6.67%</b>	<b>0.00%</b>	<b>2.94%</b>	<b>0.00%</b>	<b>4.00%</b>	<b>14.54%</b>

**TMC 2472 - CSAH 22 @ 188th Ave NW  
Nowthen MN  
Thursday, August 29, 2024**

**AM Peak Hour**

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:15 AM	0	0	33	0	0	33	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	1	0	1	48
7:30 AM	0	0	31	0	0	31	0	0	0	0	0	0	0	1	14	0	0	15	0	1	0	1	0	2	48
7:45 AM	0	0	30	0	0	30	0	0	0	0	0	0	0	3	11	0	0	14	0	0	0	1	0	1	45
8:00 AM	0	0	25	0	0	25	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	3	0	3	46
Peak Hour Total PHF	0.000	0.000	119	0.000	0.000	119	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.792	0.000	0.000	0.847	0.000	0.250	0.000	0.500	0.000	0.583	0.974

**PM Peak Hour**

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
3:45 PM	0	0	22	1	0	23	0	0	0	0	0	0	0	0	75	0	0	75	0	0	0	1	0	1	99
4:00 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	1	71	0	0	72	0	0	0	1	0	1	94
4:15 PM	0	0	22	0	0	22	0	0	0	0	0	0	0	1	70	0	0	71	0	1	0	0	0	1	94
4:30 PM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	76	0	0	76	0	0	0	0	0	0	89
Peak Hour Total PHF	0.000	0.000	0.886	0.250	0.000	0.859	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.961	0.000	0.000	0.967	0.000	0.250	0.000	0.500	0.000	0.750	0.949

Total Vehicles On Leg		2733	
Vehicles Entering Intersection	1053	Vehicles Exiting Intersection	1680
<b>Southbound</b>			
Cars	14	845	0
Heavy	0	194	0
<b>Total</b>	<b>14</b>	<b>1039</b>	<b>0</b>

Total Vehicles on Leg 104	Vehicles Entering Intersection 50	Eastbound	Cars	Heavy	Total	
			0	0	0	
			1	0	1	
			14	1	15	
			0	0	0	
33	1	34				

Total Vehicles on Leg 0	Vehicles Entering Intersection 0	Westbound	Cars	Heavy	Total	
			0	0	0	
			0	0	0	
			0	0	0	
			0	0	0	

Daily Volumes

Total Vehicles On Leg		2777	
Vehicles Entering Intersection	1704	Vehicles Exiting Intersection	1073
<b>Northbound</b>			
Cars	2	0	38
Heavy	0	0	1
<b>Total</b>	<b>2</b>	<b>0</b>	<b>39</b>





# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Signal Warrants - Summary

### Major Street Approaches

Northbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 1,704

Southbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 1,053

### Minor Street Approaches

Eastbound: 188th Ave NW

Number of Lanes : 1

Total Approach Volume: 50

### Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Not Satisfied

Warrant 1A - Minimum Vehicular Volume.....Not Satisfied

Required volumes reached for 0 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied

Required volumes reached for 0 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Not Satisfied

Required 1A volumes reached for 0 hours, 8 are needed

Required 1B volumes reached for 0 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Not Satisfied

Number of hours (0) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour.....Not Satisfied

Warrant 3A - Peak Hour Delay.....Not Satisfied

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Not Satisfied

Volumes do not exceed minimums for any one hour period.

Warrant 4 - Pedestrian Volumes.....Not Evaluated

Warrant 5 - School Crossing.....Not Evaluated

Warrant 6 - Coordinated Signal System.....Not Evaluated

Warrant 7 - Crash Experience.....Not Evaluated

Warrant 8 - Roadway Network.....Not Evaluated

Warrant 9 - Intersection Near a Grade Crossing.....Not Evaluated

# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Warrant 1A - Minimum Volumes

#### Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
Number of Major Lanes = **1**  
Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
Veh/Hr Major = **350**  
  
Veh/Hr Minor = **105**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146	+	89	=	235	2	0	No
17:00 - 18:00	182	+	46	=	228	3	0	No
13:45 - 14:45	132	+	89	=	221	2	0	No
17:15 - 18:15	153	+	48	=	201	3	0	No
17:30 - 18:30	142	+	48	=	190	5	0	No
13:30 - 14:30	112	+	75	=	187	3	0	No
07:15 - 08:15	61	+	119	=	180	7	0	No
07:00 - 08:00	55	+	121	=	176	5	0	No
17:45 - 18:45	122	+	50	=	172	5	0	No
06:45 - 07:45	53	+	115	=	168	5	0	No
06:30 - 07:30	46	+	120	=	166	3	0	No
07:30 - 08:30	63	+	98	=	161	6	0	No
13:00 - 14:00	98	+	60	=	158	2	0	No
13:15 - 14:15	92		65		157	2	0	No

# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Warrant 1B - Interruption of Continuous Traffic

#### Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
 Veh/Hr Major = **525**  
 Veh/Hr Minor = **52**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146	+	89	=	235	2	0	No
17:00 - 18:00	182	+	46	=	228	3	0	No
13:45 - 14:45	132	+	89	=	221	2	0	No
17:15 - 18:15	153	+	48	=	201	3	0	No
17:30 - 18:30	142	+	48	=	190	5	0	No
13:30 - 14:30	112	+	75	=	187	3	0	No
07:15 - 08:15	61	+	119	=	180	7	0	No
07:00 - 08:00	55	+	121	=	176	5	0	No
17:45 - 18:45	122	+	50	=	172	5	0	No
06:45 - 07:45	53	+	115	=	168	5	0	No
06:30 - 07:30	46	+	120	=	166	3	0	No
07:30 - 08:30	63	+	98	=	161	6	0	No
13:00 - 14:00	98	+	60	=	158	2	0	No
13:15 - 14:15	92		65		157	2	0	No

# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Warrant 1C Combination of Warrants

#### Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

#### Summary

Only 0 hours meet 1A minimums.  
Only 0 hours meet 1B minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
Number of Major Lanes = **1**  
Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70% applied  
Warrant 1A 1B  
Veh/Hr Major = **280 420**  
  
Veh/Hr Minor = **84 42**

#### Major Road CSAH 22

#### Minor Road 188th Ave NW

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146		89		235	2	0	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146		89		235	2	0	No

# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Warrant 2 - Four Hour Volumes

#### Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

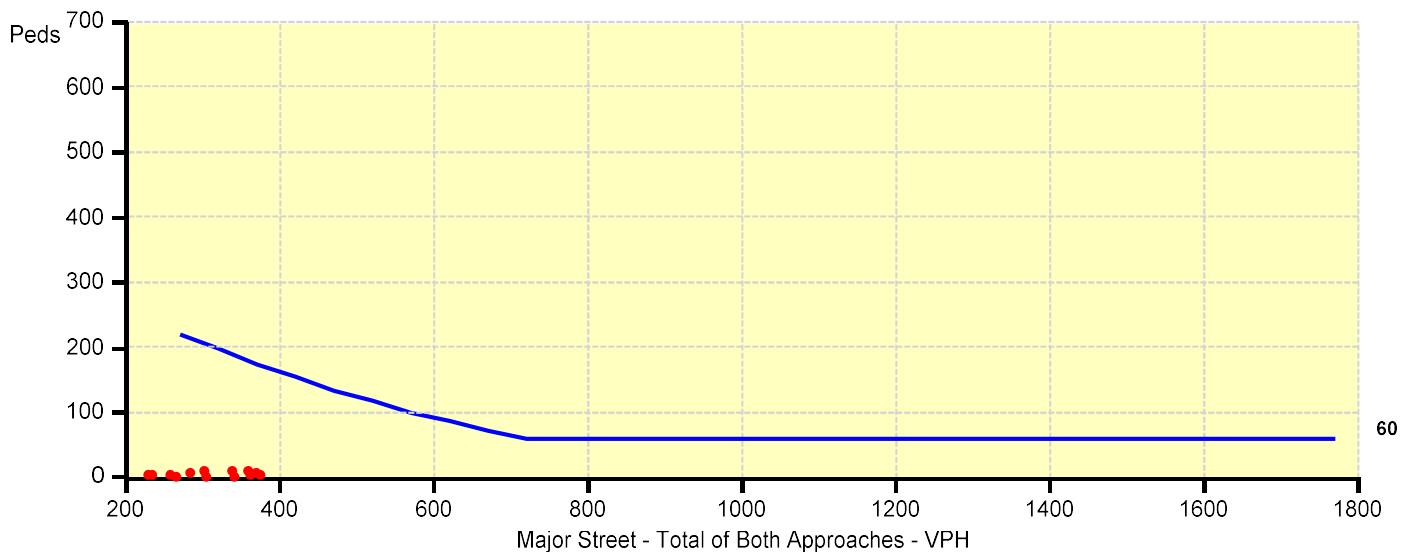
#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

Time	Major Road CSAH 22				Total	Minor Road 188th Ave NW		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146		89		235	2	0	No



# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/04/2024

## Warrant 3B - Peak Hour Volumes

### Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

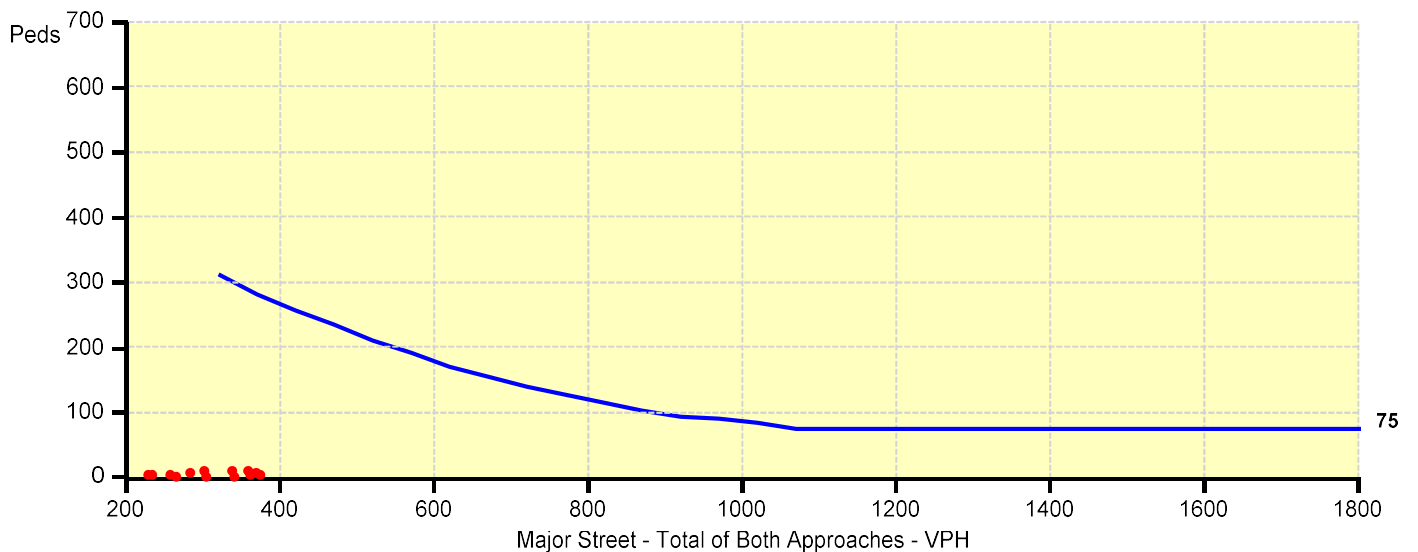
### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

Time	Major Road CSAH 22				Total	Minor Road 188th Ave NW		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	294	+	79	=	373	3	0	No
15:30 - 16:30	286	+	82	=	368	7	0	No
16:00 - 17:00	291	+	70	=	361	2	0	No
15:15 - 16:15	285	+	74	=	359	8	0	No
16:15 - 17:15	278	+	61	=	339	1	0	No
15:00 - 16:00	269	+	69	=	338	10	0	No
16:30 - 17:30	250	+	55	=	305	0	0	No
14:45 - 15:45	234	+	68	=	302	9	0	No
14:30 - 15:30	208	+	76	=	284	5	0	No
16:45 - 17:45	216	+	50	=	266	0	0	No
14:15 - 15:15	174	+	83	=	257	4	0	No
14:00 - 15:00	146		89		235	2	0	No



# ANOKA COUNTY HIGHWAY

## PC - WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2472

Study Date : 09/04/2024

## Multiway Stop Warrants - Summary

### Major Street Approaches

**Northbound: CSAH 22**  
 Number of Lanes : 1  
 Total Approach Volume: 1,704

**Southbound: CSAH 22**  
 Number of Lanes : 1  
 Total Approach Volume: 1,053

### Minor Street Approaches

**Eastbound: 188th Ave NW**  
 Number of Lanes : 1  
 Total Approach Volume: 50

**Westbound:**  
 Number of Lanes : 2+  
 Total Approach Volume: 0

### Warrant Summary (Rural Values Apply)

<b>Criteria A - Interim Measure</b> .....	<b>Not Evaluated</b>
If traffic signals are justified, stop signs can be installed as an interim measure.	
<b>Criteria B - Crash Experience</b> .....	<b>Not Satisfied</b>
Number of crashes (-1) is less than minimum required (5).	
<b>Criteria C - Minimum Volumes and Delays</b> .....	<b>Not Satisfied</b>
Average of 8 highest hours is less than volume criteria.	
<b>Criteria D - 80% of Volumes, Delays, and Crashes</b> .....	<b>Not Satisfied</b>
Number of crashes (-1) is less than minimum required (4). Average of 8 highest hours is less than volume criteria.	

### Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:45 - 16:45	373	227.3	3	03.9	210	140	No
14:45 - 15:45	302		9				
16:45 - 17:45	266		0				
13:45 - 14:45	221		2				
07:15 - 08:15	180		7				
17:45 - 18:45	172		5				
06:15 - 07:15	155		2				
12:15 - 13:15	149		3				
10:00 - 11:00	143		3				
11:15 - 12:15	128		2				
09:00 - 10:00	117		3				
18:45 - 19:45	88		3				

### Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:45 - 16:45	373	227.3	3	03.9	240	160	No
14:45 - 15:45	302		9				
16:45 - 17:45	266		0				
13:45 - 14:45	221		2				
07:15 - 08:15	180		7				
17:45 - 18:45	172		5				
06:15 - 07:15	155		2				
12:15 - 13:15	149		3				
10:00 - 11:00	143		3				
11:15 - 12:15	128		2				
09:00 - 10:00	117		3				
18:45 - 19:45	88		3				