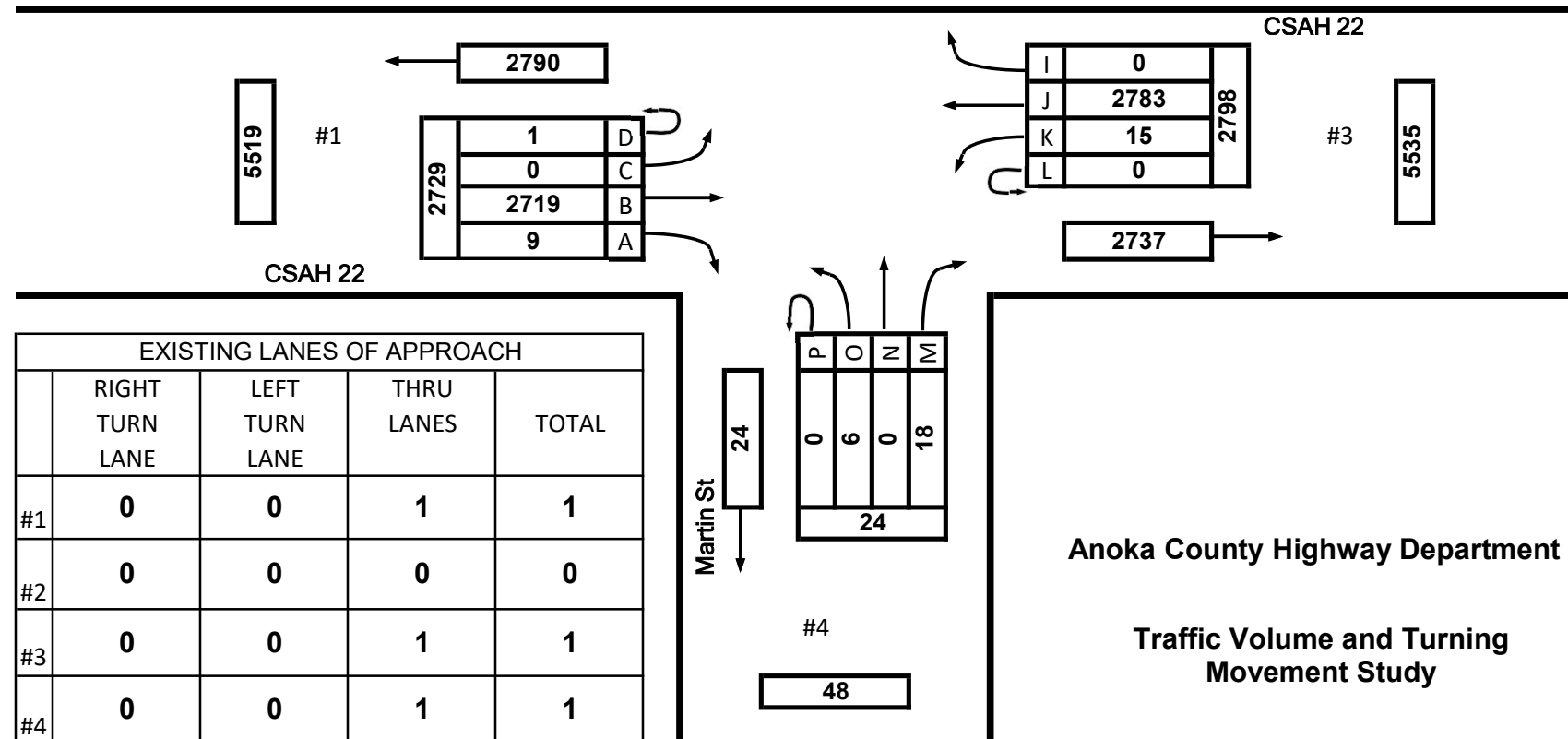
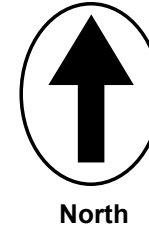


Date : 05/16/23

Count Number : TMC 2342

Location : CSAH 22  
@ Martin St

Collection Period : 6-10 AM, 3-7 PM



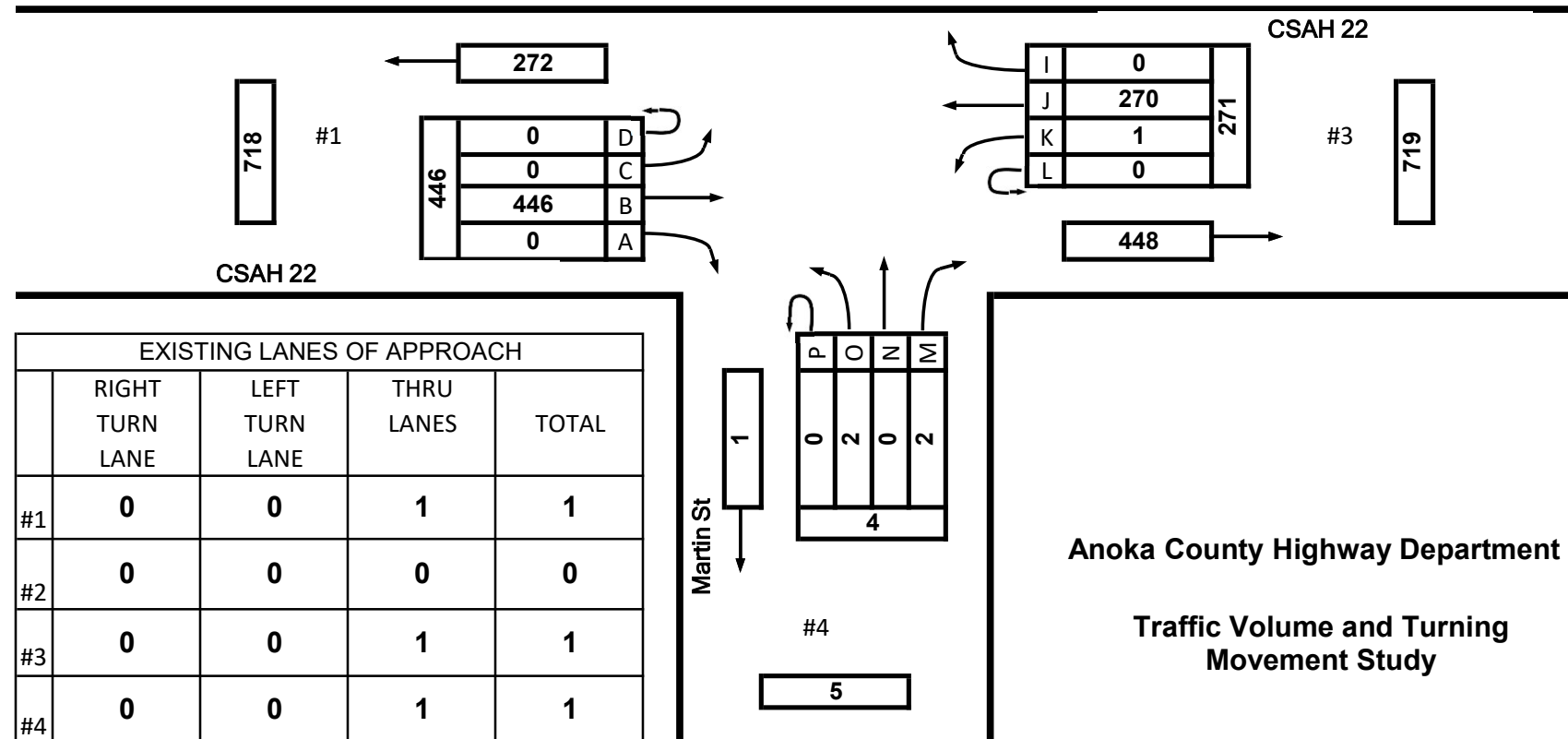
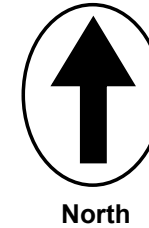
Date : 05/16/23

Count Number : TMC 2342

Location : CSAH 22  
@ Martin St

Collection Period : 6:45 AM - 7:45 AM

AM PEAK



Anoka County Highway Department  
 Traffic Volume and Turning  
 Movement Study

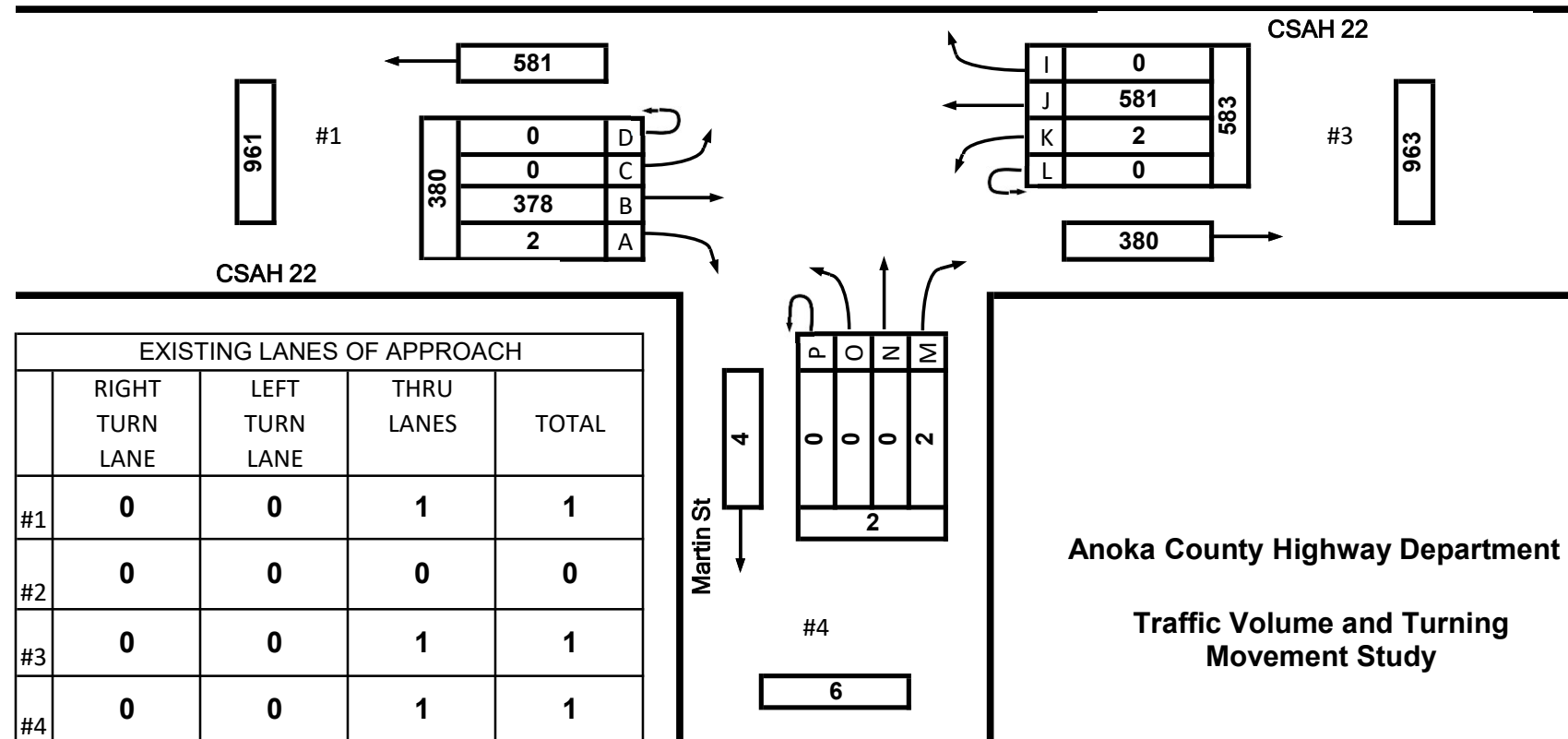
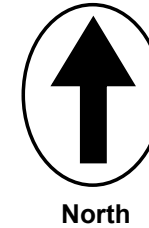
Date : 05/16/23

Count Number : TMC 2342

Location : CSAH 22  
@ Martin St

Collection Period : 4:15 PM - 5:15 PM

PM PEAK



Anoka County Highway Department

Traffic Volume and Turning Movement Study

# TMC 2342 - CSAH 22 @ Martin St

0 0

Tuesday, May 16, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 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
12:30 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	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	0	0	0	0	0	0	0	0	0	0	0
1:00 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
1:15 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
1:30 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	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0
2:30 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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 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
3:15 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
3:30 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
3:45 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	0	0	0	0	0	0	0	0	0	0	0
4:00 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
4:15 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
4:30 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
4:45 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	0	0	0	0	0	0	0	0	0	0	0
5:00 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
5:15 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
5:30 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
5:45 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	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	36	0	0	36	0	0	0	0	0	0	0	0	76	0	0	76	112
6:15 AM	0	0	0	0	0	0	0	0	51	0	0	51	0	0	0	1	0	1	0	0	68	0	0	68	120
6:30 AM	0	0	0	0	0	0	0	0	38	0	0	38	0	0	0	2	0	2	0	0	94	0	0	94	134
6:45 AM	0	0	0	0	0	0	0	0	61	0	0	61	0	0	0	0	0	0	0	0	114	0	0	114	175
Hourly Total	0	0	0	0	0	0	0	0	186	0	0	186	0	0	0	3	0	3	0	0	352	0	0	352	541
7:00 AM	0	0	0	0	0	0	0	0	66	0	0	66	0	0	0	1	0	1	0	0	112	0	0	112	179
7:15 AM	0	0	0	0	0	0	0	0	73	0	0	74	0	1	0	1	0	2	0	0	107	0	0	107	183
7:30 AM	0	0	0	0	0	0	0	0	70	0	0	70	0	1	0	0	0	1	0	0	113	0	0	113	184
7:45 AM	0	0	0	0	0	0	0	0	51	0	0	51	0	0	0	1	0	1	0	0	104	0	0	104	156
Hourly Total	0	0	0	0	0	0	0	1	260	0	0	261	0	2	0	3	0	5	0	0	436	0	0	436	702

# TMC 2342 - CSAH 22 @ Martin St

0 0

**Tuesday, May 16, 2023**

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	0	0	0	0	0	1	56	0	0	57	0	0	0	1	0	1	0	0	76	0	0	76	0	0	0	0	0	0	134
8:15 AM	0	0	0	0	0	0	0	0	40	0	0	40	0	1	0	2	0	3	0	0	64	2	0	66	0	0	0	0	0	0	109
8:30 AM	0	0	0	0	0	0	0	1	48	0	0	49	0	1	0	0	0	1	0	0	98	0	0	98	0	0	0	0	0	0	148
8:45 AM	0	0	0	0	0	0	0	0	56	0	0	56	0	0	0	0	0	0	0	0	58	1	0	59	0	0	0	0	0	0	115
Hourly Total	0	0	0	0	0	0	0	2	200	0	0	202	0	2	0	3	0	5	0	0	296	3	0	299	0	0	0	0	0	0	506
9:00 AM	0	0	0	0	0	0	0	1	72	0	0	73	0	0	0	1	0	1	0	0	61	0	0	61	0	0	0	0	0	0	135
9:15 AM	0	0	0	0	0	0	0	0	57	0	0	57	0	0	0	0	0	0	0	0	70	0	0	70	0	0	0	0	0	0	127
9:30 AM	0	0	0	0	0	0	0	1	49	0	0	50	0	0	0	2	0	2	0	0	58	0	0	58	0	0	0	0	0	0	110
9:45 AM	0	0	0	0	0	0	0	2	49	0	0	51	0	0	0	0	0	0	1	0	58	0	0	59	0	0	0	0	0	0	110
Hourly Total	0	0	0	0	0	0	0	4	227	0	0	231	0	0	0	3	0	3	1	0	247	0	0	248	0	0	0	0	0	0	482
10:00 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	0	0	0	0	0	0
10:15 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	0	0	0	0	0	0
10:30 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	0	0	0	0	0	0
10:45 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	0	0	0	0	0	0
Hourly Total	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	0	0	0	0	0	0
11:00 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	0	0	0	0	0	0
11:15 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	0	0	0	0	0	0
11:30 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	0	0	0	0	0	0
11:45 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	0	0	0	0	0	0
Hourly Total	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	0	0	0	0	0	0
12:00 PM	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	0	0	0	0	0	0
12:15 PM	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	0	0	0	0	0	0
12:30 PM	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	0	0	0	0	0	0
12:45 PM	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	0	0	0	0	0	0
Hourly Total	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	0	0	0	0	0	0
1:00 PM	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	0	0	0	0	0	0
1:15 PM	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	0	0	0	0	0	0
1:30 PM	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	0	0	0	0	0	0
1:45 PM	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	0	0	0	0	0	0
Hourly Total	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	0	0	0	0	0	0
2:00 PM	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	0	0	0	0	0	0
2:15 PM	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	0	0	0	0	0	0
2:30 PM	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	0	0	0	0	0	0
2:45 PM	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	0	0	0	0	0	0
Hourly Total	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	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	1	97	0	0	98	0	0	0	0	0	0	0	0	79	0	0	79	0	0	0	0	0	0	177
3:15 PM	0	0	0	0	0	0	0	0	133	0	0	133	0	0	0	0	0	0	0	0	83	0	0	83	0	0	0	0	0	0	216
3:30 PM	0	0	0	0	0	0	0	1	138	0	0	139	0	0	0	0	0	0	0	0	112	0	0	112	0	0	0	0	0	0	251
3:45 PM	0	0	0	0	0	0	0	0	135	0	0	135	0	0	0	0	0	0	0	0	99	1	0	100	0	0	0	0	0	0	235
Hourly Total	0	0	0	0	0	0	0	2	503	0	0	505	0	0	0	0	0	0	0	0	373	1	0	374	0	0	0	0	0	0	879

**TMC 2342 - CSAH 22 @ Martin St**  
**0 0**  
**Tuesday, May 16, 2023**

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	0	0	0	0	0	0	137	0	0	137	0	1	0	0	0	1	0	0	97	0	0	97	235
4:15 PM	0	0	0	0	0	0	0	1	142	0	0	143	0	0	0	1	0	1	0	0	77	0	0	77	221
4:30 PM	0	0	0	0	0	0	0	0	138	0	0	138	0	0	0	0	0	0	0	0	91	2	0	93	231
4:45 PM	0	0	0	0	0	0	0	1	158	0	0	159	0	0	0	0	0	0	0	0	107	0	0	107	266
Hourly Total	0	0	0	0	0	0	0	2	575	0	0	577	0	1	0	1	0	2	0	0	372	2	0	374	953
5:00 PM	0	0	0	0	0	0	0	0	143	0	0	143	0	0	0	1	0	1	0	0	103	0	0	103	247
5:15 PM	0	0	0	0	0	0	0	0	110	0	0	110	0	0	0	0	0	0	0	0	96	1	0	97	207
5:30 PM	0	0	0	0	0	0	0	0	113	0	0	113	0	0	0	1	0	1	0	0	97	1	0	98	212
5:45 PM	0	0	0	0	0	0	0	0	108	0	0	108	0	0	0	1	0	1	0	0	79	0	0	79	188
Hourly Total	0	0	0	0	0	0	0	0	474	0	0	474	0	0	0	3	0	3	0	0	375	2	0	377	854
6:00 PM	0	0	0	0	0	0	0	0	108	0	0	108	0	0	0	0	0	0	0	0	86	0	0	86	194
6:15 PM	0	0	0	0	0	0	0	1	114	0	0	115	0	0	0	2	0	2	0	0	54	1	0	55	172
6:30 PM	0	0	0	0	0	0	0	2	70	0	0	72	0	1	0	0	0	1	0	0	73	0	0	73	146
6:45 PM	0	0	0	0	0	0	0	1	66	0	0	67	0	0	0	0	0	0	0	0	55	0	0	55	122
Hourly Total	0	0	0	0	0	0	0	4	358	0	0	362	0	1	0	2	0	3	0	0	268	1	0	269	634
7:00 PM	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
7:15 PM	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
7:30 PM	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
7:45 PM	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	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	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
8:15 PM	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
8:30 PM	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
8:45 PM	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	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	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
9:15 PM	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
9:30 PM	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
9:45 PM	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	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	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
10:15 PM	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
10:30 PM	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
10:45 PM	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	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	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
11:15 PM	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
11:30 PM	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
11:45 PM	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	0	0	0	0	0	0	0	0	0	0	0
<b>DAILY TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>2783</b>	<b>0</b>	<b>0</b>	<b>2798</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>2719</b>	<b>9</b>	<b>0</b>	<b>2729</b>	<b>5551</b>
<b>Cars</b>	0	0	0	0	0	0	0	15	2629	0	0	2644	0	5	0	17	0	22	1	0	2557	8	0	2566	5232
<b>Heavy Vehicles</b>	0	0	0	0	0	0	0	0	154	0	0	154	0	1	0	1	0	2	0	0	162	1	0	163	319
<b>Heavy Vehicle %</b>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.53%	0.00%	0.00%	5.50%	0.00%	16.67%	0.00%	5.56%	0.00%	8.33%	0.00%	0.00%	5.96%	11.11%	0.00%	5.97%	5.75%

## TMC 2342 - CSAH 22 @ Martin St

0 0

Tuesday, May 16, 2023

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					
6:45 AM	0	0	0	0	0	0	0	0	61	0	0	61	0	0	0	0	0	0	0	0	114	0	0	114					
7:00 AM	0	0	0	0	0	0	0	0	66	0	0	66	0	0	0	1	0	1	0	0	112	0	0	112					
7:15 AM	0	0	0	0	0	0	0	1	73	0	0	74	0	1	0	1	0	2	0	0	107	0	0	107					
7:30 AM	0	0	0	0	0	0	0	0	70	0	0	70	0	1	0	0	0	1	0	0	113	0	0	113					
Peak Hour Total PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.925	0.000	0.000	0.916	0.000	0.500	0.000	0.500	0.000	0.500	0.000	0.000	0.978	0.000	0.000	0.978					

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					
4:15 PM	0	0	0	0	0	0	0	1	142	0	0	143	0	0	0	1	0	1	0	0	77	0	0	77					
4:30 PM	0	0	0	0	0	0	0	0	138	0	0	138	0	0	0	0	0	0	0	0	91	2	0	93					
4:45 PM	0	0	0	0	0	0	0	1	158	0	0	159	0	0	0	0	0	0	0	0	107	0	0	107					
5:00 PM	0	0	0	0	0	0	0	0	143	0	0	143	0	0	0	1	0	1	0	0	103	0	0	103					
Peak Hour Total PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.919	0.000	0.000	0.917	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.883	0.250	0.000	0.888					

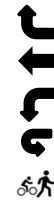
Total Vehicles On Leg						0	
Vehicles Entering Intersection			0	Vehicles Exiting Intersection			0
<b>Southbound</b>							
Cars	0	0	0	0	0	0	
Heavy	0	0	0	0	0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	



Total Vehicles on Leg 5519	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total	
	2729		0	0	0	
			1	0	1	
	Vehicles Exiting Intersection		0	0	0	
	2790		2557	162	2719	
	8	1	9			

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 5535
0	0	0		2798	
2629	154	2783			
15	0	15		Vehicles Exiting Intersection	
0	0	0		2737	
0	0	0			



Cars	0	0	5	0	17		
Heavy	0	0	1	0	1		
<b>Total</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>18</b>		
<b>Northbound</b>							
Vehicles Entering Intersection			24	Vehicles Exiting Intersection			24
Total Vehicles On Leg			48				







# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2342

Study Date : 05/26/2023

## Signal Warrants - Summary

### Major Street Approaches

Eastbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 2,729

Westbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 2,798

### Minor Street Approaches

Northbound: Martin St

Number of Lanes : 1

Total Approach Volume: 24

### 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: TMC 2342

Study Date : 05/26/2023

## 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 EB	+	Major WB	=		Minor NB	Minor SB	
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446	+	271	=	717	4	0	No
07:00 - 08:00	436	+	261	=	697	5	0	No
17:45 - 18:45	293	+	403	=	696	4	0	No
06:30 - 07:30	427	+	239	=	666	5	0	No
07:15 - 08:15	400	+	252	=	652	5	0	No
14:45 - 15:45	274	+	370	=	644	0	0	No
18:00 - 19:00	269	+	362	=	631	3	0	No
06:15 - 07:15	388	+	216	=	604	4	0	No
07:30 - 08:30	359	+	218	=	577	6	0	No
07:45 - 08:45	344	+	197	=	541	6	0	No
06:00 - 07:00	352	+	186	=	538	3	0	No
08:30 - 09:30	288	+	235	=	523	2	0	No
08:15 - 09:15	284	+	218	=	502	5	0	No
08:00 - 09:00	299		202		501	5	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2342

Study Date : 05/26/2023

## 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 EB	+	Major WB	=		Minor NB	Minor SB	
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446	+	271	=	717	4	0	No
07:00 - 08:00	436	+	261	=	697	5	0	No
17:45 - 18:45	293	+	403	=	696	4	0	No
06:30 - 07:30	427	+	239	=	666	5	0	No
07:15 - 08:15	400	+	252	=	652	5	0	No
14:45 - 15:45	274	+	370	=	644	0	0	No
18:00 - 19:00	269	+	362	=	631	3	0	No
06:15 - 07:15	388	+	216	=	604	4	0	No
07:30 - 08:30	359	+	218	=	577	6	0	No
07:45 - 08:45	344	+	197	=	541	6	0	No
06:00 - 07:00	352	+	186	=	538	3	0	No
08:30 - 09:30	288	+	235	=	523	2	0	No
08:15 - 09:15	284	+	218	=	502	5	0	No
08:00 - 09:00	299		202		501	5	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2342

Study Date : 05/26/2023

## 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 Martin St

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446		271		717	4	0	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446		271		717	4	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2342

Study Date : 05/26/2023

## 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.

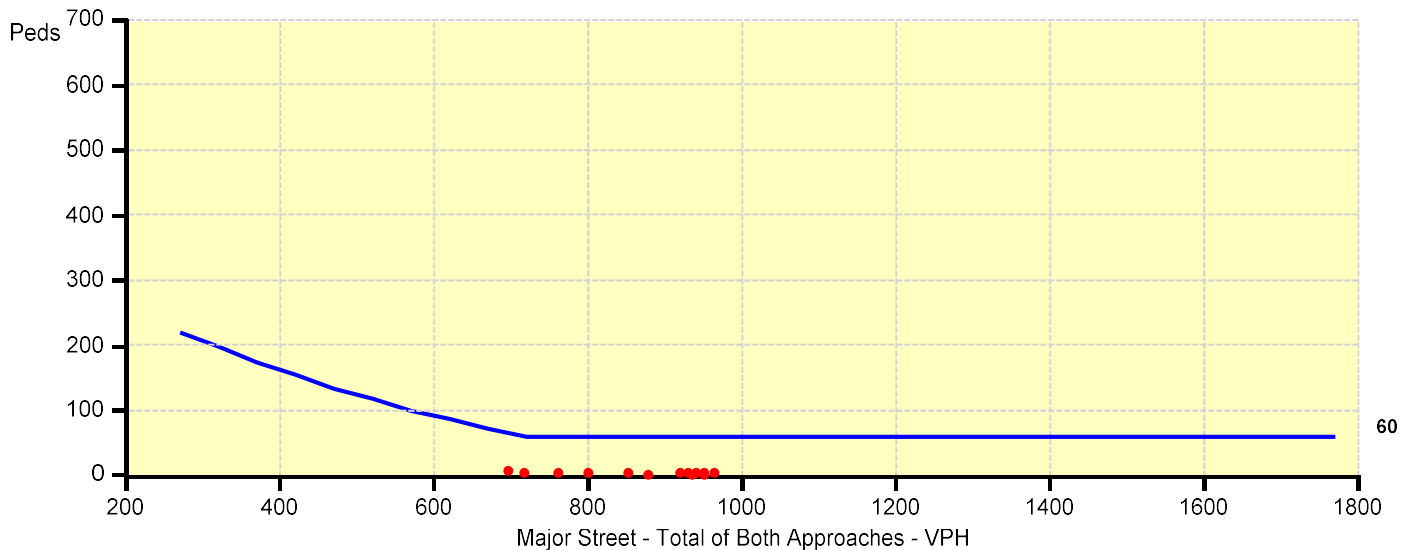
#### Summary

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 Martin St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446		271		717	4	0	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2342

Study Date : 05/26/2023

## 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 Martin St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:15 - 17:15	380	+	583	=	963	2	0	No
16:00 - 17:00	374	+	577	=	951	2	0	No
16:30 - 17:30	400	+	550	=	950	1	0	No
15:30 - 16:30	386	+	554	=	940	2	0	No
15:15 - 16:15	392	+	544	=	936	1	0	No
16:45 - 17:45	405	+	525	=	930	2	0	No
15:45 - 16:45	367	+	553	=	920	2	0	No
15:00 - 16:00	374	+	505	=	879	0	0	No
17:00 - 18:00	377	+	474	=	851	3	0	No
17:15 - 18:15	360	+	439	=	799	2	0	No
17:30 - 18:30	318	+	444	=	762	4	0	No
06:45 - 07:45	446		271		717	4	0	No

