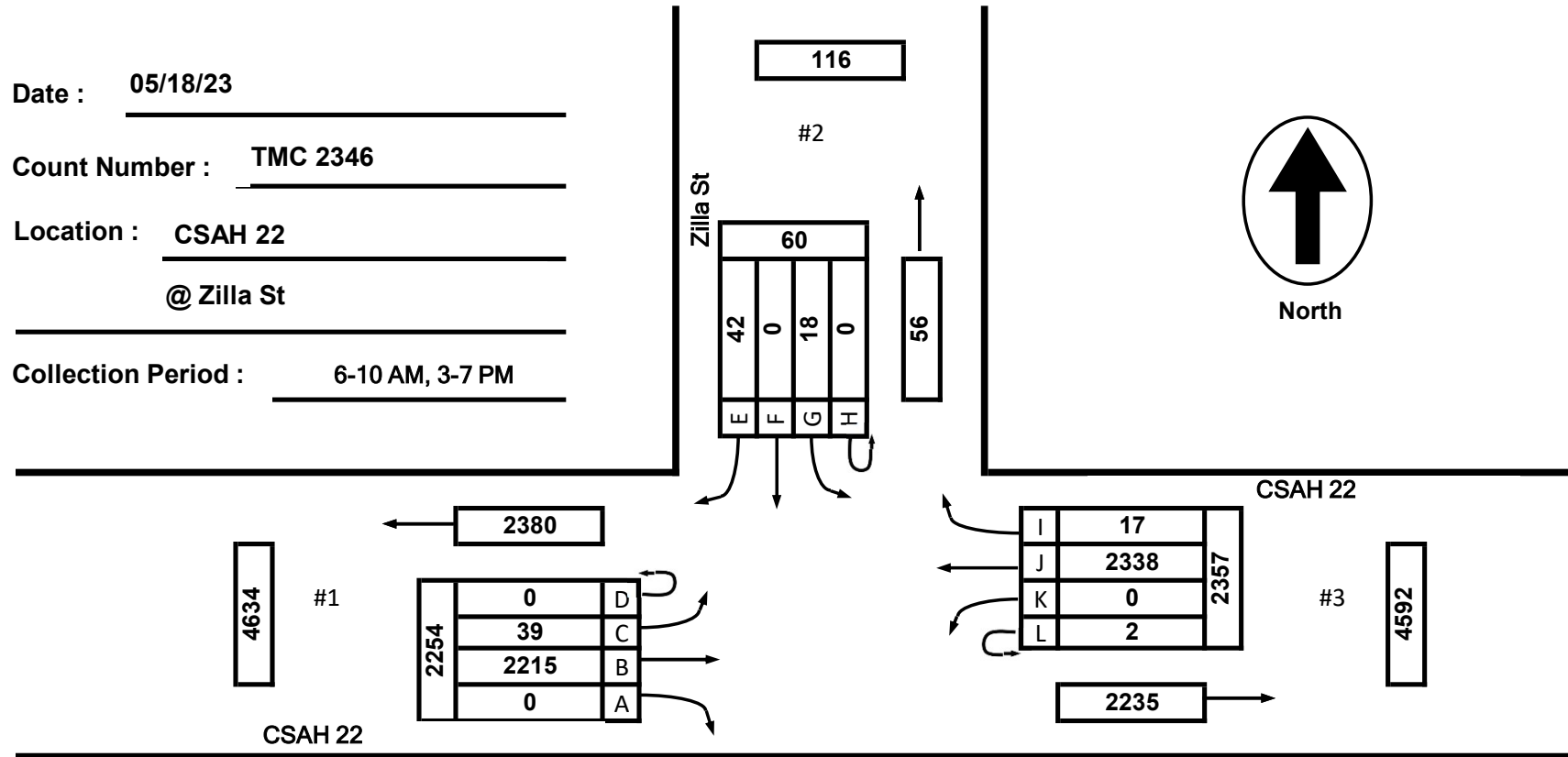


Date : 05/18/23

Count Number : TMC 2346

Location : CSAH 22
@ Zilla St

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



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	1	1
#4	0	0	0	0

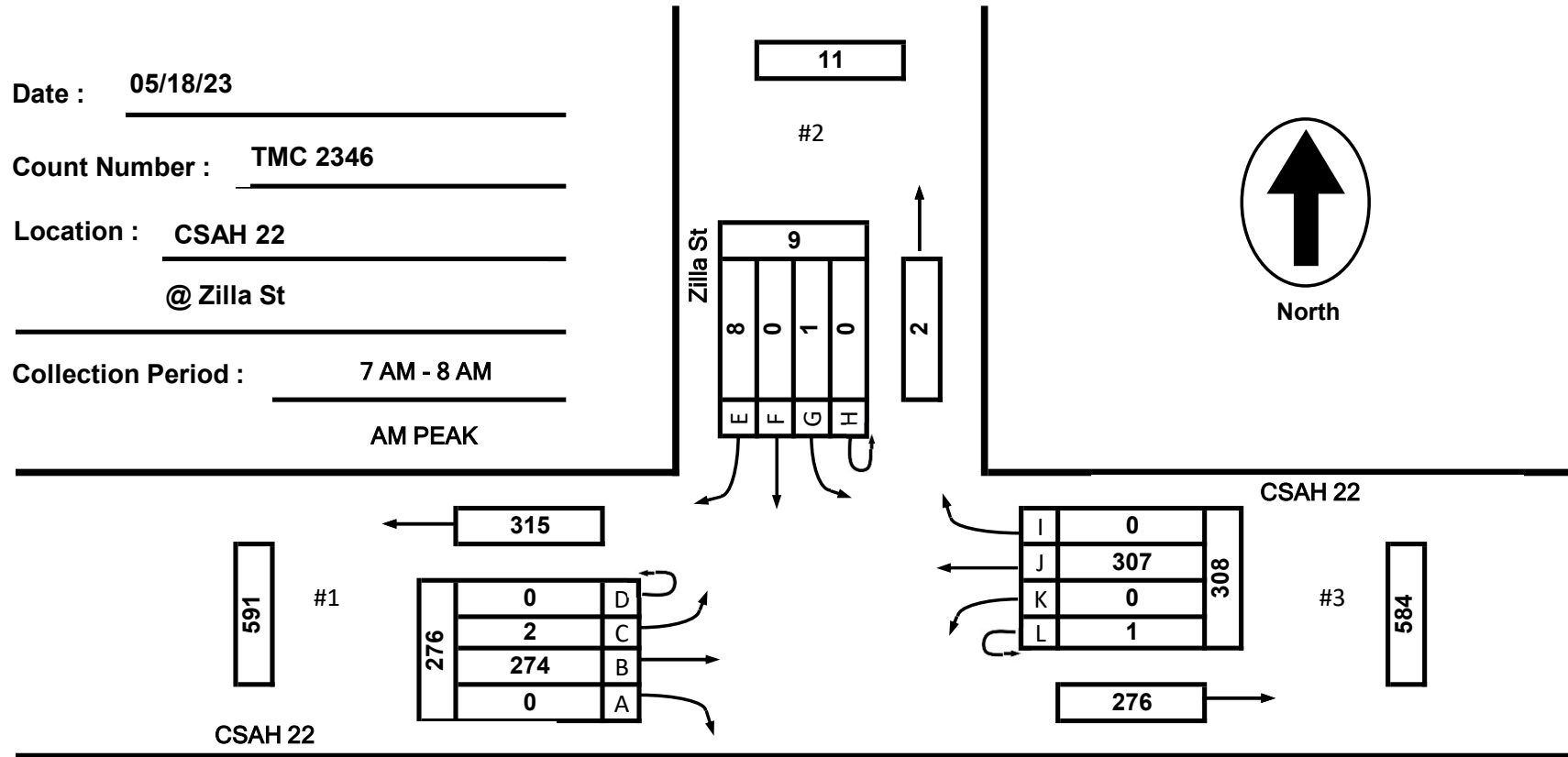
Anoka County Highway Department
 Traffic Volume and Turning Movement Study

Date : 05/18/23

Count Number : TMC 2346

Location : CSAH 22
@ Zilla St

Collection Period : 7 AM - 8 AM
AM PEAK



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	1	1
#4	0	0	0	0

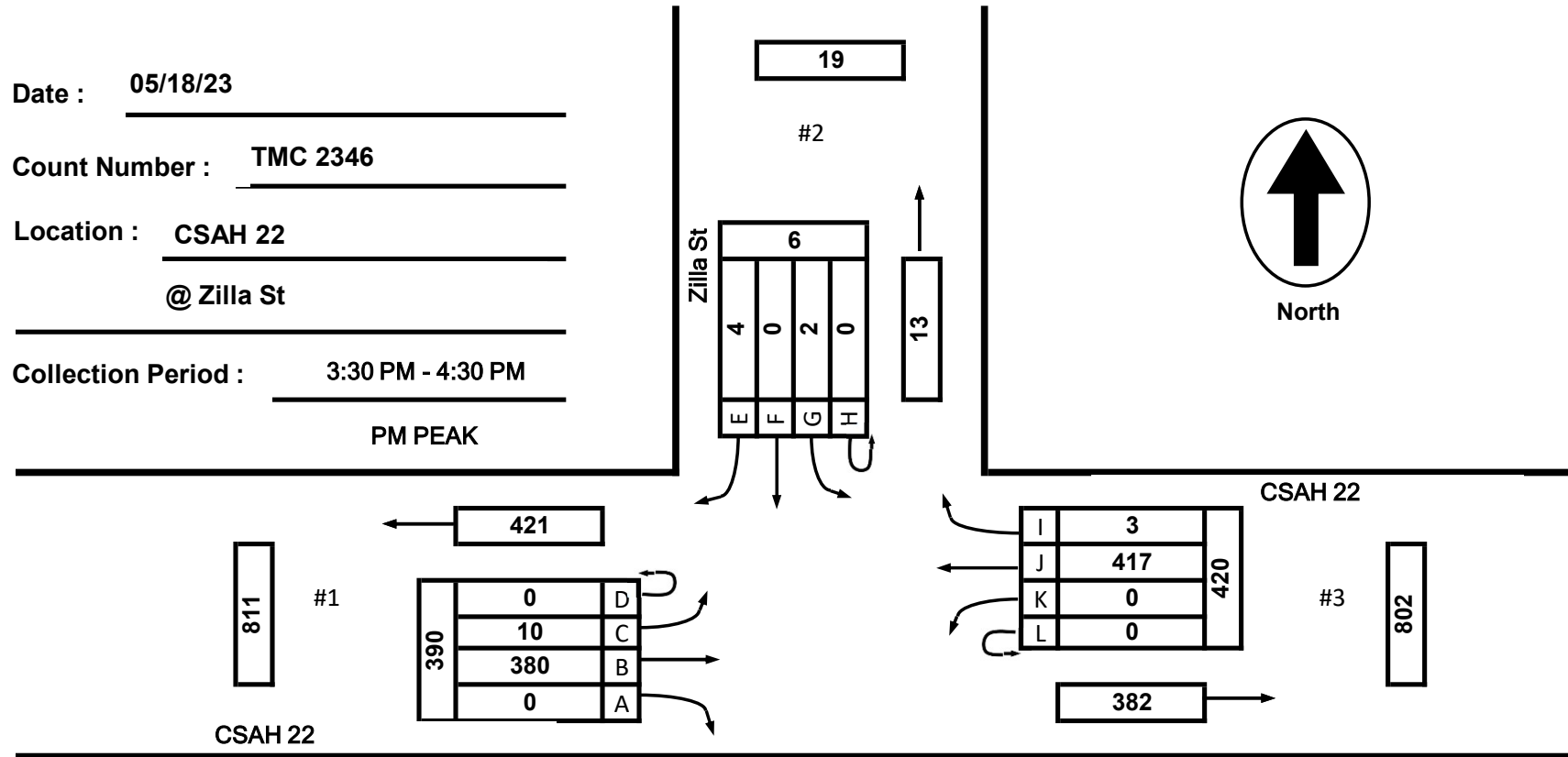
Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 05/18/23

Count Number : TMC 2346

Location : CSAH 22
@ Zilla St

Collection Period : 3:30 PM - 4:30 PM
 PM PEAK



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	1	1
#4	0	0	0	0

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

TMC 2346 - CSAH 22 @ Zilla St

0 0

Thursday, May 18, 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	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	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	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	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
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	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	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	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	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
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	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	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	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	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
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	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	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	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	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
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	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	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	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	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
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	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	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	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	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
6:00 AM	0	1	0	2	0	3	0	0	36	1	0	37	0	0	0	0	0	0	0	0	48	0	0	48	88	
6:15 AM	0	0	0	2	0	2	0	0	47	0	0	47	0	0	0	0	0	0	0	0	46	0	0	46	95	
6:30 AM	0	2	0	2	0	4	0	0	51	1	0	52	0	0	0	0	0	0	0	1	56	0	0	57	113	
6:45 AM	0	0	0	3	0	3	0	0	71	0	0	71	0	0	0	0	0	0	0	0	64	0	0	64	138	
Hourly Total	0	3	0	9	0	12	0	0	205	2	0	207	0	0	0	0	0	0	0	1	214	0	0	215	434	
7:00 AM	0	0	0	2	0	2	0	0	66	0	0	66	0	0	0	0	0	0	0	0	66	0	0	66	134	
7:15 AM	0	0	0	2	0	2	0	0	82	0	0	82	0	0	0	0	0	0	0	0	62	0	0	62	146	
7:30 AM	0	1	0	3	0	4	0	0	87	0	0	87	0	0	0	0	0	0	0	1	69	0	0	70	161	
7:45 AM	0	0	0	1	0	1	1	0	72	0	0	73	0	0	0	0	0	0	0	1	77	0	0	78	152	
Hourly Total	0	1	0	8	0	9	1	0	307	0	0	308	0	0	0	0	0	0	0	2	274	0	0	276	593	

TMC 2346 - CSAH 22 @ Zilla St

0 0

Thursday, May 18, 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	1	0	1	0	2	0	0	56	0	0	56	0	0	0	0	0	0	0	0	65	0	0	65	123
8:15 AM	0	1	0	2	0	3	0	0	53	1	0	54	0	0	0	0	0	0	0	0	68	0	0	68	125
8:30 AM	0	1	0	0	0	1	0	0	54	1	0	55	0	0	0	0	0	0	0	0	56	0	0	56	112
8:45 AM	0	2	0	0	0	2	0	0	48	0	0	48	0	0	0	0	0	0	0	0	66	0	0	66	116
Hourly Total	0	5	0	3	0	8	0	0	211	2	0	213	0	0	0	0	0	0	0	0	255	0	0	255	476
9:00 AM	0	0	0	1	0	1	0	0	75	1	0	76	0	0	0	0	0	0	0	2	58	0	0	60	137
9:15 AM	0	0	0	0	0	0	1	0	59	1	0	61	0	0	0	0	0	0	0	1	57	0	0	58	119
9:30 AM	0	1	0	3	0	4	0	0	54	0	0	54	0	0	0	0	0	0	0	0	40	0	0	40	98
9:45 AM	0	0	0	3	0	3	0	0	43	2	0	45	0	0	0	0	0	0	0	1	61	0	0	62	110
Hourly Total	0	1	0	7	0	8	1	0	231	4	0	236	0	0	0	0	0	0	0	4	216	0	0	220	464
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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
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
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
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
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 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
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
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
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
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 PM	0	2	0	0	0	2	0	0	72	1	0	73	0	0	0	0	0	0	0	4	71	0	0	75	150
3:15 PM	0	1	0	0	0	1	0	0	82	0	0	82	0	0	0	0	0	0	0	0	80	0	0	80	163
3:30 PM	0	1	0	0	0	1	0	0	119	0	0	119	0	0	0	0	0	0	0	4	79	0	0	83	203
3:45 PM	0	0	0	1	0	1	0	0	113	1	0	114	0	0	0	0	0	0	0	3	89	0	0	92	207
Hourly Total	0	4	0	1	0	5	0	0	386	2	0	388	0	0	0	0	0	0	0	11	319	0	0	330	723

TMC 2346 - CSAH 22 @ Zilla St
0 0
Thursday, May 18, 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	1	0	2	0	3	0	0	86	2	0	88	0	0	0	0	0	0	0	2	97	0	0	99	190
4:15 PM	0	0	0	1	0	1	0	0	99	0	0	99	0	0	0	0	0	0	0	1	115	0	0	116	216
4:30 PM	0	0	0	0	0	0	0	0	88	1	0	89	0	0	0	0	0	0	0	4	101	0	0	105	194
4:45 PM	0	0	0	0	0	0	0	0	112	2	0	114	0	0	0	0	0	0	0	3	75	0	0	78	192
Hourly Total	0	1	0	3	0	4	0	0	385	5	0	390	0	0	0	0	0	0	0	10	388	0	0	398	792
5:00 PM	0	0	0	2	0	2	0	0	101	0	0	101	0	0	0	0	0	0	0	1	94	0	0	95	198
5:15 PM	0	1	0	3	0	4	0	0	106	0	0	106	0	0	0	0	0	0	0	1	76	0	0	77	187
5:30 PM	0	0	0	0	0	0	0	0	86	0	0	86	0	0	0	0	0	0	0	1	81	0	0	82	168
5:45 PM	0	2	0	4	0	6	0	0	77	0	0	77	0	0	0	0	0	0	0	2	77	0	0	79	162
Hourly Total	0	3	0	9	0	12	0	0	370	0	0	370	0	0	0	0	0	0	0	5	328	0	0	333	715
6:00 PM	0	0	0	1	0	1	0	0	64	0	0	64	0	0	0	0	0	0	0	3	69	0	0	72	137
6:15 PM	0	0	0	1	0	1	0	0	71	1	0	72	0	0	0	0	0	0	0	1	45	0	0	46	119
6:30 PM	0	0	0	0	0	0	0	0	63	1	0	64	0	0	0	0	0	0	0	0	57	0	0	57	121
6:45 PM	0	0	0	0	0	0	0	0	45	0	0	45	0	0	0	0	0	0	0	2	50	0	0	52	97
Hourly Total	0	0	0	2	0	2	0	0	243	2	0	245	0	0	0	0	0	0	0	6	221	0	0	227	474
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
DAILY TOTAL	0	18	0	42	0	60	2	0	2338	17	0	2357	0	0	0	0	0	0	0	39	2215	0	0	2254	4671
Cars	0	17	0	40	0	57	2	0	2248	15	0	2265	0	0	0	0	0	0	0	38	2099	0	0	2137	4459
Heavy Vehicles	0	1	0	2	0	3	0	0	90	2	0	92	0	0	0	0	0	0	0	1	116	0	0	117	212
Heavy Vehicle %	0.00%	5.56%	0.00%	4.76%	0.00%	5.00%	0.00%	0.00%	3.85%	11.76%	0.00%	3.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.56%	5.24%	0.00%	0.00%	5.19%	4.54%

TMC 2346 - CSAH 22 @ Zilla St
0 0

Thursday, May 18, 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	
7:00 AM	0	0	0	2	0	2	0	0	66	0	0	66	0	0	0	0	0	0	0	0	66	0	0	66	134
7:15 AM	0	0	0	2	0	2	0	0	82	0	0	82	0	0	0	0	0	0	0	0	62	0	0	62	146
7:30 AM	0	1	0	3	0	4	0	0	87	0	0	87	0	0	0	0	0	0	0	1	69	0	0	70	161
7:45 AM	0	0	0	1	0	1	1	0	72	0	0	73	0	0	0	0	0	0	0	1	77	0	0	78	152
Peak Hour Total PHF	0	1	0	8	0	9	1	0	307	0	0	308	0	0	0	0	0	0	0	2	274	0	0	276	593
	0.000	0.250	0.000	0.667	0.000	0.563	0.250	0.000	0.882	0.000	0.000	0.885	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.890	0.000	0.000	0.885	0.921

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	
3:30 PM	0	1	0	0	0	1	0	0	119	0	0	119	0	0	0	0	0	0	0	4	79	0	0	83	203
3:45 PM	0	0	0	1	0	1	0	0	113	1	0	114	0	0	0	0	0	0	0	3	89	0	0	92	207
4:00 PM	0	1	0	2	0	3	0	0	86	2	0	88	0	0	0	0	0	0	0	2	97	0	0	99	190
4:15 PM	0	0	0	1	0	1	0	0	99	0	0	99	0	0	0	0	0	0	0	1	115	0	0	116	216
Peak Hour Total PHF	0	2	0	4	0	6	0	0	417	3	0	420	0	0	0	0	0	0	0	10	380	0	0	390	816
	0.000	0.500	0.000	0.500	0.000	0.500	0.000	0.000	0.876	0.375	0.000	0.882	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.826	0.000	0.000	0.841	0.944

Total Vehicles On Leg				116	
Vehicles Entering Intersection			60	Vehicles Exiting Intersection	
				56	
Southbound					
Cars	40	0	17	0	0
Heavy	2	0	1	0	0
Total	42	0	18	0	0

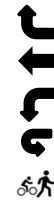


Total Vehicles on Leg 4634	Vehicles Entering Intersection 2254	Eastbound	Cars	0	0	
			Heavy	0	0	
			Total	0	0	
	Vehicles Exiting Intersection 2380		Cars	38	1	39
			Heavy	2099	116	2215
		Cars	0	0		
		Heavy	0	0		
		Total	0	0		



Daily Volumes

Cars	15	2	17	Westbound	Vehicles Entering Intersection 2357	Total Vehicles on Leg 4592
Heavy	2248	90	2338			
Total	0	0	0			
	2	0	2		Vehicles Exiting Intersection 2235	
	0	0	0			



Cars	0	0	0	0	0	
Heavy	0	0	0	0	0	
Total	0	0	0	0	0	
Northbound						
Vehicles Entering Intersection			0	Vehicles Exiting Intersection		
				0		
Total Vehicles On Leg			0			

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2346

Study Date : 05/26/2023

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 2,254

Westbound: CSAH 22

Number of Lanes : 1

Total Approach Volume: 2,357

Minor Street Approaches

Southbound: Zilla St

Number of Lanes : 1

Total Approach Volume: 60

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 2346

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	
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No
07:15 - 08:15	275	+	298	=	573	0	9	No
06:45 - 07:45	262	+	306	=	568	0	11	No
07:30 - 08:30	281	+	270	=	551	0	10	No
17:45 - 18:45	254	+	277	=	531	0	8	No
06:30 - 07:30	249	+	271	=	520	0	11	No
14:45 - 15:45	238	+	274	=	512	0	4	No
07:45 - 08:45	267	+	238	=	505	0	7	No
08:15 - 09:15	250	+	233	=	483	0	7	No
08:30 - 09:30	240	+	240	=	480	0	4	No
18:00 - 19:00	227	+	245	=	472	0	2	No
06:15 - 07:15	233	+	236	=	469	0	11	No
08:00 - 09:00	255	+	213	=	468	0	8	No
08:45 - 09:45	224		239		463	0	7	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2346

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	
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No
07:15 - 08:15	275	+	298	=	573	0	9	No
06:45 - 07:45	262	+	306	=	568	0	11	No
07:30 - 08:30	281	+	270	=	551	0	10	No
17:45 - 18:45	254	+	277	=	531	0	8	No
06:30 - 07:30	249	+	271	=	520	0	11	No
14:45 - 15:45	238	+	274	=	512	0	4	No
07:45 - 08:45	267	+	238	=	505	0	7	No
08:15 - 09:15	250	+	233	=	483	0	7	No
08:30 - 09:30	240	+	240	=	480	0	4	No
18:00 - 19:00	227	+	245	=	472	0	2	No
06:15 - 07:15	233	+	236	=	469	0	11	No
08:00 - 09:00	255	+	213	=	468	0	8	No
08:45 - 09:45	224		239		463	0	7	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2346

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 Zilla St

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2346

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.

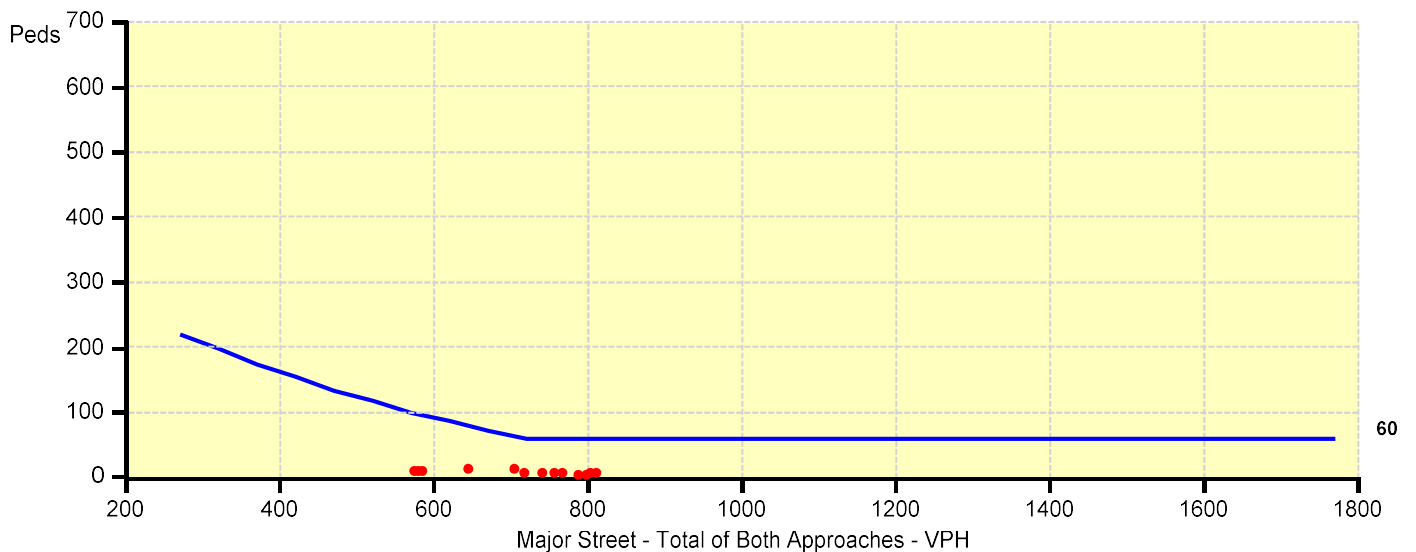
Summary

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 Zilla St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2346

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 Zilla St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:30 - 16:30	390	+	420	=	810	0	6	No
15:45 - 16:45	412	+	390	=	802	0	5	No
16:15 - 17:15	394	+	403	=	797	0	3	No
16:00 - 17:00	398	+	390	=	788	0	4	No
16:30 - 17:30	355	+	410	=	765	0	6	No
15:15 - 16:15	354	+	403	=	757	0	6	No
16:45 - 17:45	332	+	407	=	739	0	6	No
15:00 - 16:00	330	+	388	=	718	0	5	No
17:00 - 18:00	333	+	370	=	703	0	12	No
17:15 - 18:15	310	+	333	=	643	0	11	No
07:00 - 08:00	276	+	308	=	584	0	9	No
17:30 - 18:30	279	+	299	=	578	0	8	No

