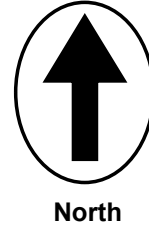


Date : 10/14/21

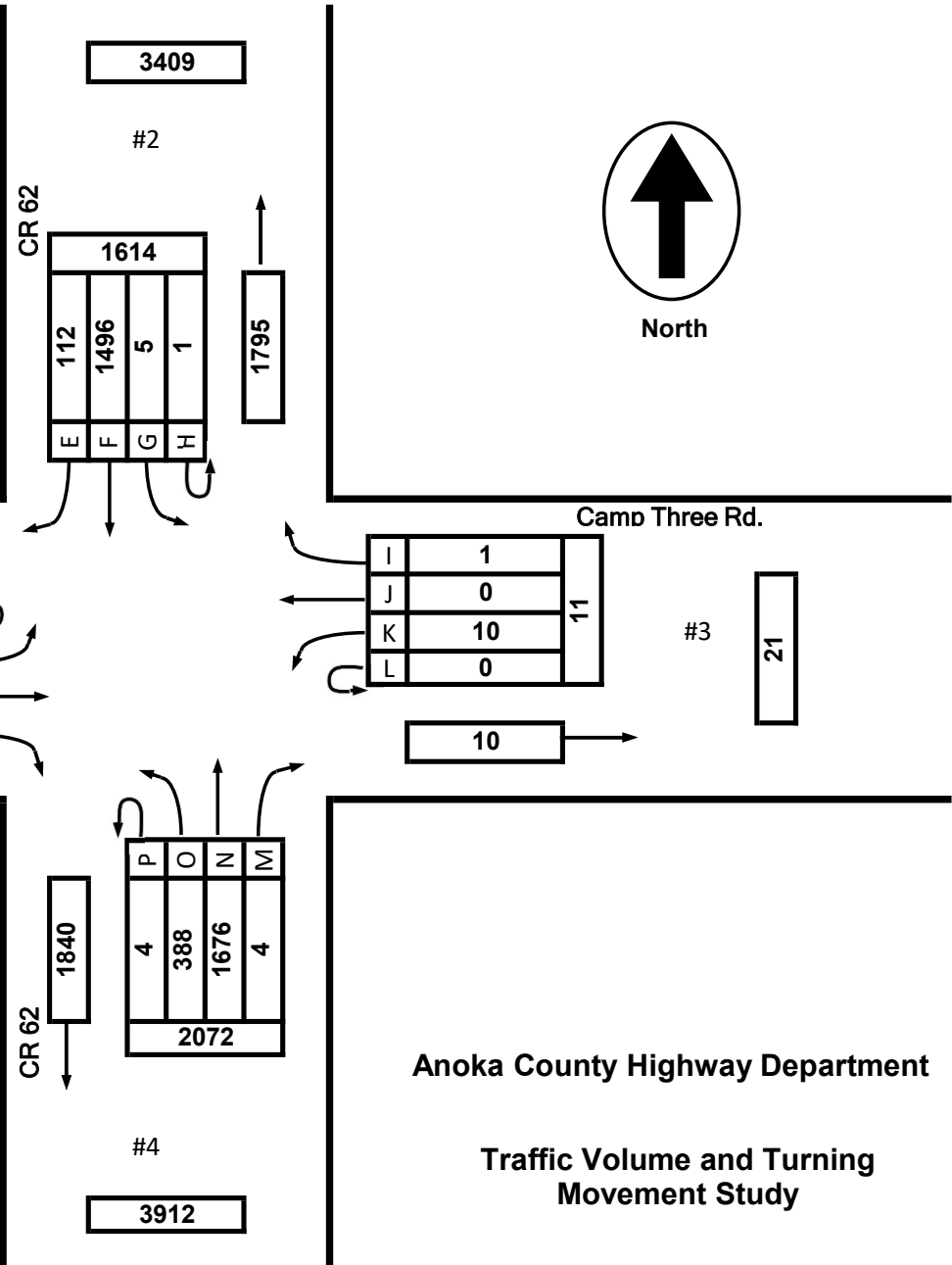
Count Number : TMC 2143

Location : CR 62 (Kettle River Blvd.)  
@ Camp Three Rd.

Collection Period : 24 Hours



North



Camp Three Rd.

Camp Three Rd.

CR 62

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	1	1

Anoka County Highway Department

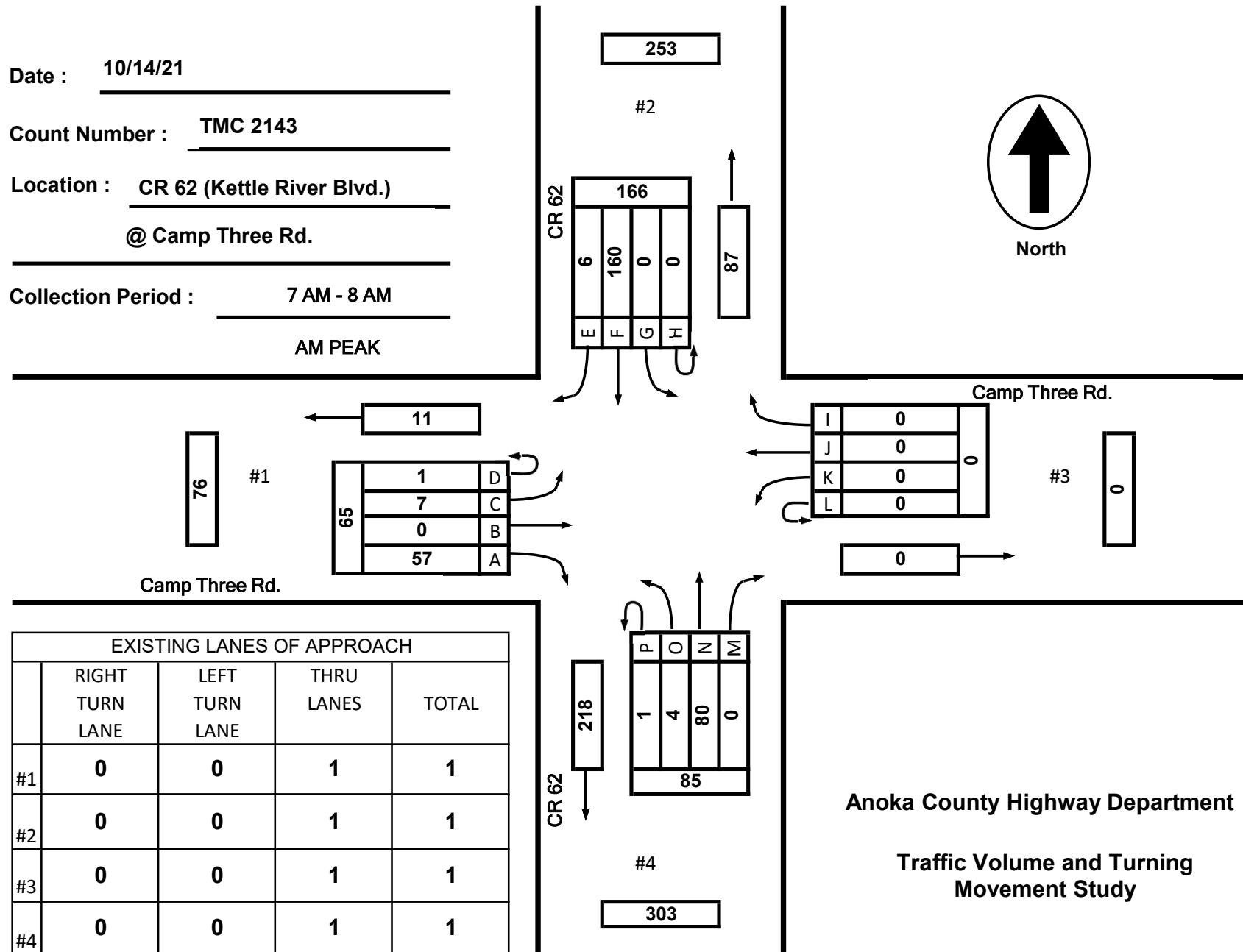
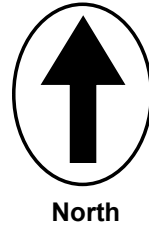
Traffic Volume and Turning Movement Study

Date : 10/14/21

Count Number : TMC 2143

Location : CR 62 (Kettle River Blvd.)  
@ Camp Three Rd.

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	1	1

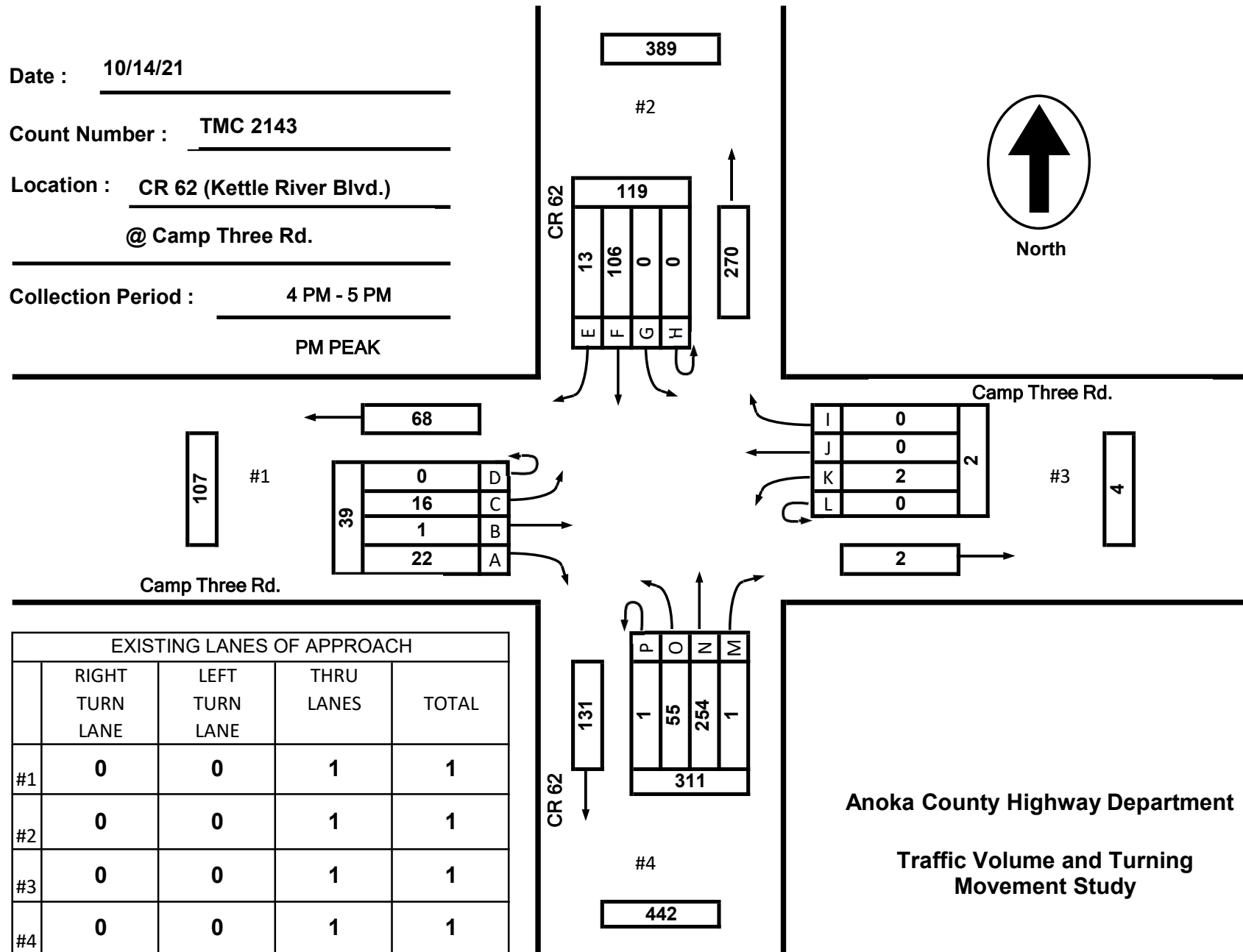
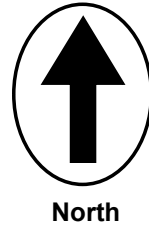
Anoka County Highway Department  
 Traffic Volume and Turning Movement Study

Date : 10/14/21

Count Number : TMC 2143

Location : CR 62 (Kettle River Blvd.)  
@ Camp Three Rd.

Collection Period : 4 PM - 5 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	1	1

**Anoka County Highway Department**  
**Traffic Volume and Turning Movement Study**

**CR 62 @ Camp Three Rd.  
Columbus MN  
Thursday, October 14, 2021**

Time	Southbound CR 62						Westbound Camp Three Rd.						Northbound CR 62						Eastbound Camp Three Rd.						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	2	2	0	0	4	0	0	0	1	0	1	5
12:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	3	2	0	0	5	0	0	0	0	0	0	6
12:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	4	2	0	0	6	0	0	0	0	0	0	8
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	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	10	6	0	0	16	0	0	0	1	0	1	21
1:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3
1:15 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
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	6
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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	3
2:30 AM	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
2:45 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
Hourly Total	0	0	2	0	0	2	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	1	0	1	8
3:00 AM	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
3:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:30 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
3:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3
Hourly Total	0	0	9	0	0	9	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	12
4:00 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
4:15 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	8
4:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5
4:45 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	10
Hourly Total	0	0	19	0	0	19	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	3	0	3	29
5:00 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	3	0	3	14
5:15 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	5	0	5	19
5:30 AM	0	0	21	0	0	21	0	0	0	0	0	0	0	2	4	0	0	6	0	1	0	3	0	4	31
5:45 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	0	7	0	0	7	0	2	0	6	0	8	43
Hourly Total	0	0	70	0	0	70	0	0	0	0	0	0	0	3	14	0	0	17	0	3	0	17	0	20	107
6:00 AM	0	0	30	0	0	30	0	0	0	0	0	0	0	1	5	0	0	6	0	1	0	8	0	9	45
6:15 AM	0	0	43	0	0	43	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	11	0	11	58
6:30 AM	0	0	25	0	0	25	0	0	0	0	0	0	0	2	4	0	0	6	0	0	0	10	0	10	41
6:45 AM	0	0	27	0	0	27	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	10	0	10	46
Hourly Total	0	0	125	0	0	125	0	0	0	0	0	0	0	3	22	0	0	25	0	1	0	39	0	40	190
7:00 AM	0	0	44	3	0	47	0	0	0	0	0	0	0	0	14	0	0	14	0	1	0	13	0	14	75
7:15 AM	0	0	39	1	0	40	0	0	0	0	0	0	0	1	25	0	0	26	0	0	0	15	0	15	81
7:30 AM	0	0	40	0	0	40	0	0	0	0	0	0	0	1	23	0	0	24	1	3	0	16	0	20	84
7:45 AM	0	0	37	2	0	39	0	0	0	0	0	0	1	2	18	0	0	21	0	3	0	13	0	16	76
Hourly Total	0	0	160	6	0	166	0	0	0	0	0	0	1	4	80	0	0	85	1	7	0	57	0	65	316

**CR 62 @ Camp Three Rd.  
Columbus MN  
Thursday, October 14, 2021**

Time	Southbound CR 62						Westbound Camp Three Rd.						Northbound CR 62						Eastbound Camp Three Rd.						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	19	0	0	20	0	1	0	0	0	1	0	8	14	0	0	22	0	0	0	5	0	5	48
8:15 AM	0	0	27	0	0	27	0	0	0	0	0	0	0	6	13	0	0	19	0	1	0	2	0	3	49
8:30 AM	0	0	17	1	0	18	0	0	0	0	0	0	0	2	14	0	0	16	0	2	0	9	0	11	45
8:45 AM	0	0	23	0	0	23	0	0	0	0	0	0	0	3	18	0	0	21	0	1	0	2	1	3	47
Hourly Total	0	1	86	1	0	88	0	1	0	0	0	1	0	19	59	0	0	78	0	4	0	18	1	22	189
9:00 AM	0	0	26	2	0	28	0	0	0	0	0	0	0	2	22	0	0	24	0	4	0	5	0	9	61
9:15 AM	0	0	21	1	0	22	0	0	0	0	0	0	0	1	17	0	0	18	0	3	0	2	0	5	45
9:30 AM	0	0	27	1	0	28	0	0	0	0	0	0	0	3	19	0	0	22	0	5	0	4	0	9	59
9:45 AM	0	0	20	1	0	21	0	0	0	0	0	0	1	4	14	0	0	19	0	3	0	4	0	7	47
Hourly Total	0	0	94	5	0	99	0	0	0	0	0	0	1	10	72	0	0	83	0	15	0	15	0	30	212
10:00 AM	0	0	16	1	0	17	0	0	0	0	0	0	0	7	14	0	0	21	0	2	0	4	0	6	44
10:15 AM	0	0	22	2	0	24	0	0	0	0	0	0	0	5	18	0	0	23	0	0	0	4	0	4	51
10:30 AM	0	0	18	1	0	19	0	0	0	0	0	0	0	6	23	0	0	29	0	0	0	4	0	4	52
10:45 AM	0	0	20	1	0	21	0	0	0	0	0	0	0	5	21	0	0	26	0	1	0	8	0	9	56
Hourly Total	0	0	76	5	0	81	0	0	0	0	0	0	0	23	76	0	0	99	0	3	0	20	0	23	203
11:00 AM	0	0	19	1	0	20	0	0	0	0	0	0	0	4	18	1	0	23	0	5	0	3	0	8	51
11:15 AM	1	0	24	1	0	26	0	1	0	0	0	1	0	5	16	0	0	21	0	2	0	3	0	5	53
11:30 AM	0	0	22	1	0	23	0	0	0	0	0	0	0	4	21	0	0	25	0	2	0	4	0	6	54
11:45 AM	0	0	25	0	0	25	0	0	0	0	0	0	1	6	23	0	0	30	0	3	0	4	0	7	62
Hourly Total	1	0	90	3	0	94	0	1	0	0	0	1	1	19	78	1	0	99	0	12	0	14	0	26	220
12:00 PM	0	0	20	3	0	23	0	0	0	0	0	0	0	3	18	0	0	21	0	2	0	3	0	5	49
12:15 PM	0	0	20	3	0	23	0	1	0	0	0	1	0	3	18	1	0	22	0	2	0	1	0	3	49
12:30 PM	0	0	18	2	0	20	0	0	0	0	0	0	0	4	33	0	0	37	0	0	0	3	0	3	60
12:45 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	7	30	0	0	37	0	2	0	4	0	6	59
Hourly Total	0	0	73	9	0	82	0	1	0	0	0	1	0	17	99	1	0	117	0	6	0	11	0	17	217
1:00 PM	0	0	17	4	0	21	0	1	0	0	0	1	0	3	28	0	0	31	0	2	0	0	0	2	55
1:15 PM	0	0	27	2	0	29	0	0	0	0	0	0	0	4	20	0	0	24	0	2	0	7	0	9	62
1:30 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	4	28	0	0	32	0	1	0	1	0	2	55
1:45 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	2	23	0	0	25	0	0	0	1	0	1	47
Hourly Total	0	0	86	6	0	92	0	1	0	0	0	1	0	13	99	0	0	112	0	5	0	9	0	14	219
2:00 PM	0	0	11	1	0	12	0	0	0	0	0	0	0	5	19	0	0	24	0	1	0	4	0	5	41
2:15 PM	0	1	28	1	0	30	0	1	0	0	0	1	0	3	32	0	0	35	0	2	0	6	0	8	74
2:30 PM	0	0	28	2	0	30	0	0	0	0	0	0	0	5	23	0	0	28	0	1	0	2	0	3	61
2:45 PM	0	0	28	1	0	29	0	0	0	0	0	0	0	11	35	0	0	46	0	0	0	3	0	3	78
Hourly Total	0	1	95	5	0	101	0	1	0	0	0	1	0	24	109	0	0	133	0	4	0	15	0	19	254
3:00 PM	0	0	24	3	0	27	0	0	0	0	0	0	0	8	51	1	0	60	0	2	0	3	0	5	92
3:15 PM	0	0	38	2	0	40	0	1	0	0	0	1	0	7	41	0	0	48	0	1	0	6	0	7	96
3:30 PM	0	0	20	0	0	20	0	0	0	0	0	0	0	7	60	0	0	67	0	3	0	5	0	8	95
3:45 PM	0	2	24	5	0	31	0	1	0	0	0	1	0	10	55	0	0	65	0	4	0	3	0	7	104
Hourly Total	0	2	106	10	0	118	0	2	0	0	0	2	0	32	207	1	0	240	0	10	0	17	0	27	387

**CR 62 @ Camp Three Rd.  
Columbus MN  
Thursday, October 14, 2021**

Time	Southbound CR 62						Westbound Camp Three Rd.						Northbound CR 62						Eastbound Camp Three Rd.						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	31	2	0	33	0	1	0	0	0	1	0	16	70	0	0	86	0	4	0	5	0	9	129
4:15 PM	0	0	23	5	0	28	0	0	0	0	0	0	0	16	55	0	0	71	0	1	0	3	0	4	103
4:30 PM	0	0	25	2	0	27	0	1	0	0	0	1	1	10	56	0	0	67	0	2	1	7	0	10	105
4:45 PM	0	0	27	4	0	31	0	0	0	0	0	0	0	13	73	1	0	87	0	9	0	7	0	16	134
Hourly Total	0	0	106	13	0	119	0	2	0	0	0	2	1	55	254	1	0	311	0	16	1	22	0	39	471
5:00 PM	0	1	20	8	0	29	0	1	0	0	0	1	0	9	64	0	0	73	0	1	0	5	0	6	109
5:15 PM	0	0	35	4	0	39	0	0	0	0	0	0	0	14	52	0	0	66	0	5	0	8	0	13	118
5:30 PM	0	0	14	4	0	18	0	0	0	0	0	0	0	20	37	0	0	57	0	2	0	6	1	8	83
5:45 PM	0	0	26	8	0	34	0	0	0	0	0	0	0	9	43	0	0	52	0	2	0	7	0	9	95
Hourly Total	0	1	95	24	0	120	0	1	0	0	0	1	0	52	196	0	0	248	0	10	0	26	1	36	405
6:00 PM	0	0	26	2	0	28	0	0	0	0	0	0	0	4	37	0	0	41	0	2	0	8	0	10	79
6:15 PM	0	0	16	5	0	21	0	0	0	0	0	0	0	8	28	0	0	36	0	5	0	3	0	8	65
6:30 PM	0	0	24	2	0	26	0	0	0	0	0	0	0	9	18	0	0	27	0	2	0	6	0	8	61
6:45 PM	0	0	13	1	0	14	0	0	0	0	0	0	0	6	27	0	0	33	0	1	0	4	1	5	52
Hourly Total	0	0	79	10	0	89	0	0	0	0	0	0	0	27	110	0	0	137	0	10	0	21	1	31	257
7:00 PM	0	0	9	1	0	10	0	0	0	0	0	0	0	8	16	0	0	24	0	0	0	0	0	0	34
7:15 PM	0	0	10	2	0	12	0	0	0	0	0	0	0	11	13	0	0	24	0	2	0	3	0	5	41
7:30 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	3	13	0	0	16	0	1	0	2	0	3	35
7:45 PM	0	0	7	4	0	11	0	0	0	0	0	0	0	7	21	0	0	28	0	1	0	2	0	3	42
Hourly Total	0	0	41	8	0	49	0	0	0	0	0	0	0	29	63	0	0	92	0	4	0	7	0	11	152
8:00 PM	0	0	9	1	0	10	0	0	0	0	0	0	0	3	8	0	0	11	0	1	0	3	0	4	25
8:15 PM	0	0	6	3	0	9	0	0	0	0	0	0	0	5	19	0	0	24	0	0	0	2	0	2	35
8:30 PM	0	0	7	1	0	8	0	0	0	0	0	0	0	1	13	0	0	14	0	0	0	2	0	2	24
8:45 PM	0	0	9	0	0	9	0	0	0	0	0	0	0	11	8	0	0	19	0	0	0	2	0	2	30
Hourly Total	0	0	31	5	0	36	0	0	0	0	0	0	0	20	48	0	0	68	0	1	0	9	0	10	114
9:00 PM	0	0	5	1	0	6	0	0	0	0	0	0	0	3	8	0	0	11	0	0	0	1	0	1	18
9:15 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	6	8	0	0	14	0	0	0	1	0	1	22
9:30 PM	0	0	4	0	0	4	0	0	0	1	0	1	0	3	8	0	0	11	0	0	0	0	0	0	16
9:45 PM	0	0	4	1	0	5	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	12
Hourly Total	0	0	20	2	0	22	0	0	0	1	0	1	0	12	31	0	0	43	0	0	0	2	0	2	68
10:00 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	1	8	0	0	9	0	2	0	1	0	3	18
10:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	2	12	0	0	14	0	1	0	1	0	2	18
10:30 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	2	7	0	0	9	0	0	0	1	0	1	15
10:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	3	0	0	0	3	0	2	0	0	0	2	8
Hourly Total	0	0	16	0	0	16	0	0	0	0	0	0	0	8	27	0	0	35	0	5	0	3	0	8	59
11:00 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	2	4	0	0	6	0	0	0	1	0	1	10
11:15 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	4	2	0	0	6	0	0	0	0	0	0	9
11:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	2	0	2	6
11:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	5
Hourly Total	0	0	9	0	0	9	0	0	0	0	0	0	0	6	12	0	0	18	0	0	0	3	0	3	30
<b>DAILY TOTAL</b>	<b>1</b>	<b>5</b>	<b>1496</b>	<b>112</b>	<b>0</b>	<b>1614</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>388</b>	<b>1676</b>	<b>4</b>	<b>0</b>	<b>2072</b>	<b>1</b>	<b>117</b>	<b>1</b>	<b>330</b>	<b>3</b>	<b>449</b>	<b>4146</b>
<b>Cars</b>	1	5	1447	111	0	1564	0	10	0	1	0	11	3	369	1619	4	0	1995	1	115	1	323	3	440	4010
<b>Heavy Vehicles</b>	0	0	49	1	0	50	0	0	0	0	0	0	1	19	57	0	0	77	0	2	0	7	0	9	136
<b>Heavy Vehicle %</b>	0.00%	0.00%	3.28%	0.89%	0.00%	3.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	4.90%	3.40%	0.00%	0.00%	3.72%	0.00%	1.71%	0.00%	2.12%	0.00%	2.00%	3.28%

**CR 62 @ Camp Three Rd.  
Columbus MN  
Thursday, October 14, 2021  
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	44	3	0	47	0	0	0	0	0	0	0	0	14	0	0	14	0	1	0	13	0	14	0	0	1	15	0	15	75
7:15 AM	0	0	39	1	0	40	0	0	0	0	0	0	0	1	25	0	0	26	0	0	0	15	0	15	0	3	0	16	0	20	84
7:30 AM	0	0	40	0	0	40	0	0	0	0	0	0	0	1	23	0	0	24	1	3	0	16	0	16	0	3	0	13	0	16	76
7:45 AM	0	0	37	2	0	39	0	0	0	0	0	0	1	2	18	0	0	21	0	3	0	13	0	16	0	3	0	13	0	16	76
Peak Hour Total	0	0	160	6	0	166	0	0	0	0	0	0	1	4	80	0	0	85	1	7	0	57	0	65	0.250	0.583	0.000	0.891	0.000	0.813	316
PHF	0.000	0.000	0.909	0.500	0.000	0.883	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.500	0.800	0.000	0.000	0.817	0.250	0.583	0.000	0.891	0.000	0.813	0.000	0.000	0.000	0.000	0.000	0.813	0.940

**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							
4:00 PM	0	0	31	2	0	33	0	1	0	0	0	1	0	16	70	0	0	86	0	4	0	5	0	9	0	4	0	3	0	4	129
4:15 PM	0	0	23	5	0	28	0	0	0	0	0	0	0	16	55	0	0	71	0	1	0	3	0	4	0	1	0	3	0	4	103
4:30 PM	0	0	25	2	0	27	0	1	0	0	0	1	1	10	56	0	0	67	0	2	1	7	0	10	0	2	1	7	0	10	105
4:45 PM	0	0	27	4	0	31	0	0	0	0	0	0	0	13	73	1	0	87	0	9	0	7	0	16	0	9	0	7	0	16	134
Peak Hour Total	0	0	106	13	0	119	0	2	0	0	0	2	1	55	254	1	0	311	0	16	1	22	0	39	0.000	0.444	0.250	0.786	0.000	0.609	471
PHF	0.000	0.000	0.855	0.650	0.000	0.902	0.000	0.500	0.000	0.000	0.000	0.500	0.250	0.859	0.870	0.250	0.000	0.894	0.000	0.444	0.250	0.786	0.000	0.609	0.000	0.444	0.250	0.786	0.000	0.609	0.879

Total Vehicles On Leg						3409	
Vehicles Entering Intersection			1614	Vehicles Exiting Intersection			1795
<b>Southbound</b>							
Cars	111	1447	5	1	0		
Heavy	1	49	0	0	0		
<b>Total</b>	<b>112</b>	<b>1496</b>	<b>5</b>	<b>1</b>	<b>0</b>		

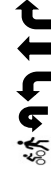


Total Vehicles on Leg 950	Vehicles Entering Intersection 449	Eastbound	Cars	3	0	3
			Heavy	1	0	1
			<b>Total</b>	<b>115</b>	<b>2</b>	<b>117</b>
	Vehicles Exiting Intersection 501		Cars	1	0	1
			Heavy	323	7	330

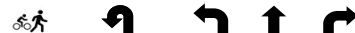


Daily Volumes

Cars	1	0	1	Westbound	Vehicles Entering Intersection 11	Total Vehicles on Leg 21
Heavy	0	0	0			
<b>Total</b>	<b>10</b>	<b>0</b>	<b>10</b>			
Vehicles Exiting Intersection 10	Cars	0	0		0	
	Heavy	0	0		0	



Cars	0	3	369	1619	4		
Heavy	0	1	19	57	0		
<b>Total</b>	<b>0</b>	<b>4</b>	<b>388</b>	<b>1676</b>	<b>4</b>		
<b>Northbound</b>							
Vehicles Entering Intersection			2072	Vehicles Exiting Intersection			1840
Total Vehicles On Leg						3912	









# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2143

Study Date : 11/09/2021

## Signal Warrants - Summary

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### Major Street Approaches

Northbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 2,072

Southbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,614

### Minor Street Approaches

Eastbound: Camp Three Rd.

Number of Lanes : 1

Total Approach Volume: 449

Westbound: Camp Three Rd.

Number of Lanes : 1

Total Approach Volume: 11

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### 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 2143

Study Date : 11/09/2021

## 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	
	<b>CR 62 (Kettle River Blvd.)</b>					<b>Camp Three Rd.</b>		
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
14:30 - 15:30	182	+	126	=	308	18	1	No
17:30 - 18:30	186	+	101	=	287	35	0	No
14:15 - 15:15	169	+	116	=	285	19	1	No
17:45 - 18:45	156	+	109	=	265	35	0	No
07:00 - 08:00	85	+	166	=	251	65	0	No
14:00 - 15:00	133	+	101	=	234	19	1	No
07:15 - 08:15	93	+	139	=	232	56	1	No
06:45 - 07:45	73	+	154	=	227	59	0	No
18:00 - 19:00	137	+	89	=	226	31	0	No
12:30 - 13:30	129	+	86	=	215	20	1	No
07:30 - 08:30	86	+	126	=	212	44	1	No
12:45 - 13:45	124	+	87	=	211	19	1	No
12:15 - 13:15	127	+	80	=	207	14	2	No
13:45 - 14:45	112		93		205	17	1	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2143

Study Date : 11/09/2021

## 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	
	<b>CR 62 (Kettle River Blvd.)</b>					<b>Camp Three Rd.</b>		
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
14:30 - 15:30	182	+	126	=	308	18	1	No
17:30 - 18:30	186	+	101	=	287	35	0	No
14:15 - 15:15	169	+	116	=	285	19	1	No
17:45 - 18:45	156	+	109	=	265	35	0	No
07:00 - 08:00	85	+	166	=	251	65	0	No
14:00 - 15:00	133	+	101	=	234	19	1	No
07:15 - 08:15	93	+	139	=	232	56	1	No
06:45 - 07:45	73	+	154	=	227	59	0	No
18:00 - 19:00	137	+	89	=	226	31	0	No
12:30 - 13:30	129	+	86	=	215	20	1	No
07:30 - 08:30	86	+	126	=	212	44	1	No
12:45 - 13:45	124	+	87	=	211	19	1	No
12:15 - 13:15	127	+	80	=	207	14	2	No
13:45 - 14:45	112		93		205	17	1	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2143

Study Date : 11/09/2021

## 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 CR 62 (Kettle River Blvd.)

#### Minor Road Camp Three Rd.

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
14:30 - 15:30	182	+	126	=	308	18	1	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
14:30 - 15:30	182	+	126	=	308	18	1	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2143

Study Date : 11/09/2021

## 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.

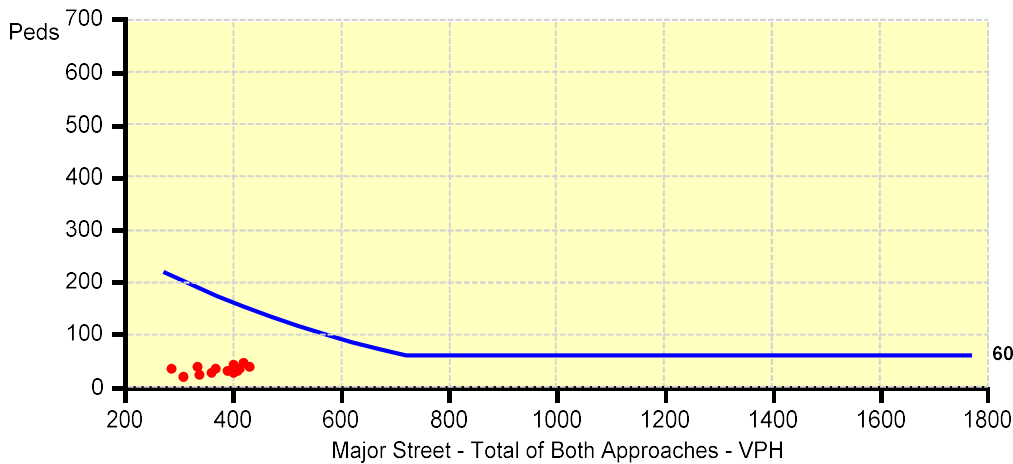
#### Summary

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 CR 62 (Kettle River Blvd.)				Total	Minor Road Camp Three Rd.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
							1	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2143

Study Date : 11/09/2021

## 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 CR 62 (Kettle River Blvd.)				Total	Minor Road Camp Three Rd.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	311	+	119	=	430	39	2	No
16:30 - 17:30	293	+	126	=	419	45	2	No
16:15 - 17:15	298	+	115	=	413	36	2	No
15:45 - 16:45	289	+	119	=	408	30	3	No
15:30 - 16:30	289	+	112	=	401	28	2	No
16:45 - 17:45	283	+	117	=	400	43	1	No
15:15 - 16:15	266	+	124	=	390	31	3	No
17:00 - 18:00	248	+	120	=	368	36	1	No
15:00 - 16:00	240	+	118	=	358	27	2	No
14:45 - 15:45	221	+	116	=	337	23	1	No
17:15 - 18:15	216	+	119	=	335	40	0	No
							1	No

