

Date : 09/14/21

Count Number : TMC 2140

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 24 Hours

182

#1

95	0	D
	19	C
	0	B
	76	A

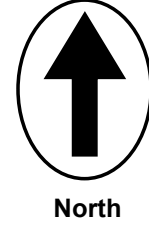
155th Ave.

2885

#2

CR 62	1382			
	23	1358	0	1
	E	F	G	H

1503



87

1436

CR 62

1549	P	O	N	M
	2	64	1483	0

#4

2985

EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	0	0	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 : 09/14/21

Count Number : TMC 2140

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 6:45 - 7:45 AM

AM PEAK

13

#1

9	0	D
	1	C
	0	B
	8	A

155th Ave.

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

CR 62

151

P	O	N	M
0	3	77	0
80			

#4

231

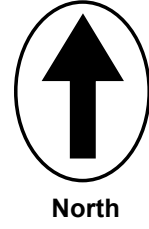
222

#2

CR 62

144			
1	143	0	0
E	F	G	H

78



Anoka County Highway Department

Traffic Volume and Turning Movement Study

Date : 09/14/21

Count Number : TMC 2140

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 4 PM - 5 PM  
 PM PEAK

21

#1

155th Ave.

10	0	D
	4	C
	0	B
	6	A

319

#2

CR 62	93			
	2	91	0	0
	E	F	G	H

226



North

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

97

CR 62

97	P	O	N	M
	0	9	222	0
	231			

#4

328

Anoka County Highway Department

Traffic Volume and Turning Movement Study

**CR 62 @ 155th Ave.  
Columbus MN  
Tuesday, September 14, 2021**

Time	Southbound CR 62						Westbound 0						Northbound CR 62						Eastbound 155th Ave.						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	1	0	0	1	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
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly Total	0	0	2	0	0	2	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0
Hourly Total	0	0	1	1	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0
2:15 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	0	0	0	0	0	0	1
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	0	0	0	0	0
2:45 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	0	0	0	0	0	0	1
Hourly Total	0	0	2	0	0	2	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
3:00 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	0	0	0	0	0	0	2
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	0	0	0	0	0	0	1
3:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:45 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Hourly Total	0	0	7	0	0	7	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
4:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
4:15 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
4:30 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	0	0	0	0	0	0	2
4:45 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	9
Hourly Total	0	0	20	0	0	20	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	24
5:00 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	11
5:15 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
5:30 AM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	25
5:45 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	21
Hourly Total	0	0	53	0	0	53	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	3	0	0	0	0	0	3	0	0	70
6:00 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	33
6:15 AM	0	0	34	0	0	34	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	36
6:30 AM	0	0	20	0	0	20	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
6:45 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	0	11	0	0	0	0	1	0	2	0	0	0	1	0	2	0	0	42
Hourly Total	0	0	110	0	0	110	0	0	0	0	0	0	0	0	24	0	0	0	0	1	0	4	0	0	0	1	0	4	0	0	139
7:00 AM	0	0	36	0	0	36	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	55
7:15 AM	0	0	43	1	0	44	0	0	0	0	0	0	0	1	30	0	0	0	0	0	0	5	0	0	0	0	0	5	0	0	80
7:30 AM	0	0	36	0	0	36	0	0	0	0	0	0	0	2	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
7:45 AM	0	0	22	0	0	22	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	35
Hourly Total	0	0	137	1	0	138	0	0	0	0	0	0	0	3	78	0	0	0	0	0	0	7	0	0	0	0	0	7	0	0	226

**CR 62 @ 155th Ave.  
Columbus MN  
Tuesday, September 14, 2021**

Time	Southbound CR 62						Westbound 0						Northbound CR 62						Eastbound 155th Ave.						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	27	0	0	27	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	1	0	1	47
8:15 AM	0	0	26	0	0	26	0	0	0	0	0	0	0	0	17	0	0	17	0	1	0	4	0	5	48
8:30 AM	0	0	22	0	0	22	0	0	0	0	0	0	0	3	11	0	0	14	0	0	0	1	0	1	37
8:45 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	29
Hourly Total	0	0	91	0	0	91	0	0	0	0	0	0	0	3	59	0	0	62	0	1	0	7	0	8	161
9:00 AM	0	0	24	0	0	24	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	2	0	2	40
9:15 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	2	17	0	0	19	0	1	0	1	0	2	49
9:30 AM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	2	0	2	35
9:45 AM	0	0	23	0	0	23	0	0	0	0	0	0	0	0	16	0	0	16	0	2	0	0	0	2	41
Hourly Total	0	0	94	0	0	94	0	0	0	0	0	0	0	2	61	0	0	63	0	3	0	5	0	8	165
10:00 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	1	0	1	26
10:15 AM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	21	0	0	21	0	1	0	1	0	2	42
10:30 AM	0	0	12	1	0	13	0	0	0	0	0	0	0	0	17	0	0	17	0	0	0	0	0	0	30
10:45 AM	0	0	23	0	0	23	0	0	0	0	0	0	0	0	13	0	0	13	0	1	0	2	0	3	39
Hourly Total	0	0	68	1	0	69	0	0	0	0	0	0	0	0	62	0	0	62	0	2	0	4	0	6	137
11:00 AM	1	0	15	1	0	17	0	0	0	0	0	0	0	4	13	0	0	17	0	0	0	1	0	1	35
11:15 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	0	0	0	35
11:30 AM	0	0	11	0	0	11	0	0	0	0	0	0	1	0	17	0	0	18	0	0	0	1	0	1	30
11:45 AM	0	0	16	2	0	18	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	1	0	1	29
Hourly Total	1	0	58	3	0	62	0	0	0	0	0	0	1	4	59	0	0	64	0	0	0	3	0	3	129
12:00 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	1	25	0	0	26	0	0	0	0	0	0	47
12:15 PM	0	0	27	0	0	27	0	0	0	0	0	0	1	0	19	0	0	20	0	0	0	1	0	1	48
12:30 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	0	19	0	0	19	0	1	0	1	0	2	37
12:45 PM	0	0	22	2	0	24	0	0	0	0	0	0	0	1	24	0	0	25	0	0	0	0	0	0	49
Hourly Total	0	0	85	3	0	88	0	0	0	0	0	0	1	2	87	0	0	90	0	1	0	2	0	3	181
1:00 PM	0	0	20	0	0	20	0	0	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	41
1:15 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	22	0	0	22	0	0	0	1	0	1	37
1:30 PM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	27	0	0	27	0	1	0	3	0	4	46
1:45 PM	0	0	16	0	0	16	0	0	0	0	0	0	0	2	23	0	0	25	0	1	0	1	0	2	43
Hourly Total	0	0	65	0	0	65	0	0	0	0	0	0	0	2	93	0	0	95	0	2	0	5	0	7	167
2:00 PM	0	0	32	1	0	33	0	0	0	0	0	0	0	2	38	0	0	40	0	0	0	2	0	2	75
2:15 PM	0	0	29	0	0	29	0	0	0	0	0	0	0	0	24	0	0	24	0	0	0	0	0	0	53
2:30 PM	0	0	31	0	0	31	0	0	0	0	0	0	0	0	29	0	0	29	0	0	0	0	0	0	60
2:45 PM	0	0	21	3	0	24	0	0	0	0	0	0	0	2	32	0	0	34	0	0	0	3	0	3	61
Hourly Total	0	0	113	4	0	117	0	0	0	0	0	0	0	4	123	0	0	127	0	0	0	5	0	5	249
3:00 PM	0	0	32	0	0	32	0	0	0	0	0	0	0	1	39	0	0	40	0	0	0	2	0	2	74
3:15 PM	0	0	23	1	0	24	0	0	0	0	0	0	0	1	49	0	0	50	0	1	0	4	0	5	79
3:30 PM	0	0	20	1	0	21	0	0	0	0	0	0	0	1	48	0	0	49	0	0	0	0	0	0	70
3:45 PM	0	0	24	2	0	26	0	0	0	0	0	0	0	2	47	0	0	49	0	0	0	1	0	1	76
Hourly Total	0	0	99	4	0	103	0	0	0	0	0	0	0	5	183	0	0	188	0	1	0	7	0	8	299

**CR 62 @ 155th Ave.  
Columbus MN  
Tuesday, September 14, 2021**

Time	Southbound CR 62						Westbound 0						Northbound CR 62						Eastbound 155th Ave.						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	22	0	0	22	0	0	0	0	0	0	0	1	60	0	0	61	0	0	0	0	0	0	83
4:15 PM	0	0	31	0	0	31	0	0	0	0	0	0	0	2	54	0	0	56	0	2	0	3	0	5	92
4:30 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	4	49	0	0	53	0	1	0	1	0	2	73
4:45 PM	0	0	20	2	0	22	0	0	0	0	0	0	0	2	59	0	0	61	0	1	0	2	0	3	86
Hourly Total	0	0	91	2	0	93	0	0	0	0	0	0	0	9	222	0	0	231	0	4	0	6	0	10	334
5:00 PM	0	0	20	0	0	20	0	0	0	0	0	0	0	3	47	0	0	50	0	0	0	1	0	1	71
5:15 PM	0	0	30	0	0	30	0	0	0	0	0	0	0	0	40	0	0	40	0	1	0	1	0	2	72
5:30 PM	0	0	14	1	0	15	0	0	0	0	0	0	0	1	35	0	0	36	0	0	0	4	0	4	55
5:45 PM	0	0	12	0	0	12	0	0	0	0	0	0	0	4	36	0	0	40	0	0	0	0	0	0	52
Hourly Total	0	0	76	1	0	77	0	0	0	0	0	0	0	8	158	0	0	166	0	1	0	6	0	7	250
6:00 PM	0	0	24	1	0	25	0	0	0	0	0	0	0	1	25	0	0	26	0	0	0	0	0	0	51
6:15 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	4	28	0	0	32	0	0	0	0	0	0	48
6:30 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	1	22	0	0	23	0	0	0	0	0	0	34
6:45 PM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	37	0	0	37	0	0	0	1	0	1	53
Hourly Total	0	0	65	2	0	67	0	0	0	0	0	0	0	6	112	0	0	118	0	0	0	1	0	1	186
7:00 PM	0	0	16	1	0	17	0	0	0	0	0	0	0	0	25	0	0	25	0	1	0	1	0	2	44
7:15 PM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	22	0	0	22	0	0	0	1	0	1	38
7:30 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	3	0	3	30
7:45 PM	0	0	12	0	0	12	0	0	0	0	0	0	0	4	12	0	0	16	0	0	0	2	0	2	30
Hourly Total	0	0	57	1	0	58	0	0	0	0	0	0	0	4	72	0	0	76	0	1	0	7	0	8	142
8:00 PM	0	0	16	0	0	16	0	0	0	0	0	0	0	2	5	0	0	7	0	0	0	1	0	1	24
8:15 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	15
8:30 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	18
8:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	6	0	0	7	0	1	0	0	0	1	10
Hourly Total	0	0	33	0	0	33	0	0	0	0	0	0	0	4	28	0	0	32	0	1	0	1	0	2	67
9:00 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	11
9:15 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	2	4	0	0	6	0	1	0	0	0	1	12
9:30 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	15
9:45 PM	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
Hourly Total	0	0	22	0	0	22	0	0	0	0	0	0	0	2	15	0	0	17	0	1	0	0	0	1	40
10:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
10:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	2	0	0	4	0	0	0	2	0	2	7
10:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	8	0	0	9	0	0	0	0	0	0	11
10:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
Hourly Total	0	0	5	0	0	5	0	0	0	0	0	0	0	3	16	0	0	19	0	0	0	2	0	2	26
11:00 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
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
11:30 PM	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
11:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	0	0	0	10
<b>DAILY TOTAL</b>	<b>1</b>	<b>0</b>	<b>1358</b>	<b>23</b>	<b>0</b>	<b>1382</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>64</b>	<b>1483</b>	<b>0</b>	<b>0</b>	<b>1549</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>76</b>	<b>0</b>	<b>95</b>	<b>3026</b>
<b>Cars</b>	1	0	1315	23	0	1339	0	0	0	0	0	0	2	63	1436	0	0	1501	0	19	0	73	0	92	2932
<b>Heavy Vehicles</b>	0	0	43	0	0	43	0	0	0	0	0	0	0	1	47	0	0	48	0	0	0	3	0	3	94
<b>Heavy Vehicle %</b>	0.00%	0.00%	3.17%	0.00%	0.00%	3.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.56%	3.17%	0.00%	0.00%	3.10%	0.00%	0.00%	0.00%	3.95%	0.00%	3.16%	3.11%

**CR 62 @ 155th Ave.**  
**Columbus MN**  
**Tuesday, September 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	
6:45 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	0	11	0	0	11	0	1	0	2	0	3	42
7:00 AM	0	0	36	0	0	36	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	1	0	1	55
7:15 AM	0	0	43	1	0	44	0	0	0	0	0	0	0	1	30	0	0	31	0	0	0	5	0	5	80
7:30 AM	0	0	36	0	0	36	0	0	0	0	0	0	0	2	18	0	0	20	0	0	0	0	0	0	56
Peak Hour Total	0	0	143	1	0	144	0	0	0	0	0	0	0	3	77	0	0	80	0	1	0	8	0	9	233
PHF	0.000	0.000	0.831	0.250	0.000	0.818	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.642	0.000	0.000	0.645	0.000	0.250	0.000	0.400	0.000	0.450	0.728

**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	22	0	0	22	0	0	0	0	0	0	0	1	60	0	0	61	0	0	0	0	0	0	83
4:15 PM	0	0	31	0	0	31	0	0	0	0	0	0	0	2	54	0	0	56	0	2	0	3	0	5	92
4:30 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	4	49	0	0	53	0	1	0	1	0	2	73
4:45 PM	0	0	20	2	0	22	0	0	0	0	0	0	0	2	59	0	0	61	0	1	0	2	0	3	86
Peak Hour Total	0	0	91	2	0	93	0	0	0	0	0	0	0	9	222	0	0	231	0	4	0	6	0	10	334
PHF	0.000	0.000	0.734	0.250	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.563	0.925	0.000	0.000	0.947	0.000	0.500	0.000	0.500	0.000	0.500	0.908

Total Vehicles On Leg				2885	
Vehicles Entering Intersection		1382	Vehicles Exiting Intersection		1503
<b>Southbound</b>					
Cars	23	1315	0	1	0
Heavy	0	43	0	0	0
<b>Total</b>	<b>23</b>	<b>1358</b>	<b>0</b>	<b>1</b>	<b>0</b>



Total Vehicles on Leg 182	Vehicles Entering Intersection 95	Eastbound	Cars	Heavy	Total	
			0	0	0	
	0		0	0		
	Vehicles Exiting Intersection 87		19	0	19	
	0		0	0		
73	3	76				

Daily Volumes

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



Cars	0	2	63	1436	0
Heavy	0	0	1	47	0
<b>Total</b>	<b>0</b>	<b>2</b>	<b>64</b>	<b>1483</b>	<b>0</b>
<b>Northbound</b>					
Vehicles Entering Intersection			1549	Vehicles Exiting Intersection	
Total Vehicles On Leg			2985		







# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2140

Study Date : 09/20/2021

## Signal Warrants - Summary

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### Major Street Approaches

Northbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,549

Southbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,382

### Minor Street Approaches

Eastbound: 155th Ave.

Number of Lanes : 1

Total Approach Volume: 95

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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 2140

Study Date : 09/20/2021

## 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>155th Ave.</b>		
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No
17:00 - 18:00	166	+	77	=	243	7	0	No
14:15 - 15:15	127	+	116	=	243	5	0	No
13:45 - 14:45	118	+	109	=	227	4	0	No
17:15 - 18:15	142	+	82	=	224	6	0	No
06:45 - 07:45	80	+	144	=	224	9	0	No
07:00 - 08:00	81	+	138	=	219	7	0	No
07:15 - 08:15	82	+	129	=	211	7	0	No
13:30 - 14:30	116	+	93	=	209	8	0	No
17:30 - 18:30	134	+	68	=	202	4	0	No
06:30 - 07:30	68	+	128	=	196	9	0	No
13:15 - 14:15	114	+	78	=	192	9	0	No
17:45 - 18:45	121	+	64	=	185	0	0	No
18:00 - 19:00	118	+	67	=	185	1	0	No
07:30 - 08:30	68		111		179	7	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2140

Study Date : 09/20/2021

## 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				Minor Road		Met?	
	Major NB	+	Major SB	=	Total	Minor EB		Minor WB
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No
17:00 - 18:00	166	+	77	=	243	7	0	No
14:15 - 15:15	127	+	116	=	243	5	0	No
13:45 - 14:45	118	+	109	=	227	4	0	No
17:15 - 18:15	142	+	82	=	224	6	0	No
06:45 - 07:45	80	+	144	=	224	9	0	No
07:00 - 08:00	81	+	138	=	219	7	0	No
07:15 - 08:15	82	+	129	=	211	7	0	No
13:30 - 14:30	116	+	93	=	209	8	0	No
17:30 - 18:30	134	+	68	=	202	4	0	No
06:30 - 07:30	68	+	128	=	196	9	0	No
13:15 - 14:15	114	+	78	=	192	9	0	No
17:45 - 18:45	121	+	64	=	185	0	0	No
18:00 - 19:00	118	+	67	=	185	1	0	No
07:30 - 08:30	68		111		179	7	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2140

Study Date : 09/20/2021

## 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 155th Ave.

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No
17:00 - 18:00	166		77		243	7	0	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No
17:00 - 18:00	166		77		243	7	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2140

Study Date : 09/20/2021

## 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.

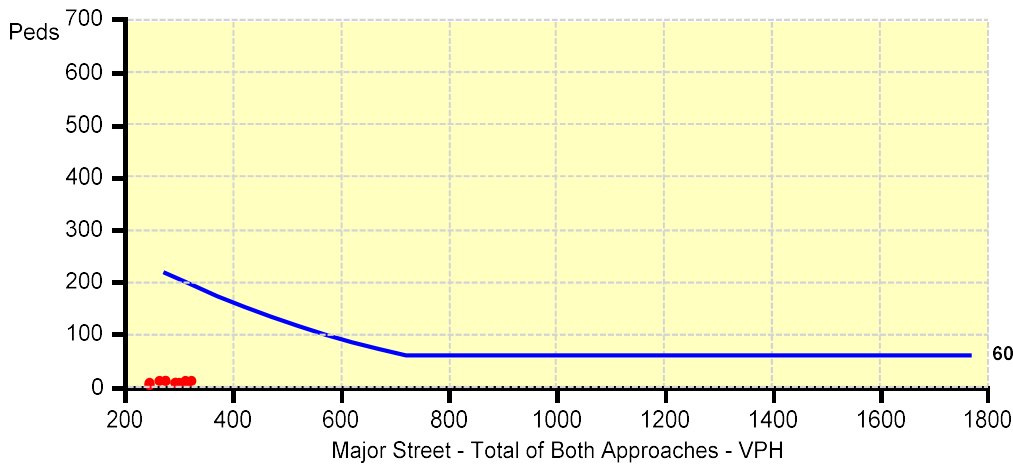
#### Summary

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 155th Ave.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2140

Study Date : 09/20/2021

## 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 155th Ave.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	231	+	93	=	324	10	0	No
15:45 - 16:45	219	+	97	=	316	8	0	No
15:30 - 16:30	215	+	100	=	315	6	0	No
16:15 - 17:15	220	+	91	=	311	11	0	No
15:15 - 16:15	209	+	93	=	302	6	0	No
16:30 - 17:30	204	+	90	=	294	8	0	No
15:00 - 16:00	188	+	103	=	291	8	0	No
16:45 - 17:45	187	+	87	=	274	10	0	No
14:45 - 15:45	173	+	101	=	274	10	0	No
14:30 - 15:30	153	+	111	=	264	10	0	No
14:00 - 15:00	127	+	117	=	244	5	0	No

