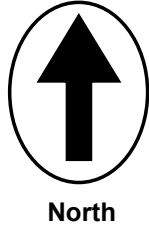
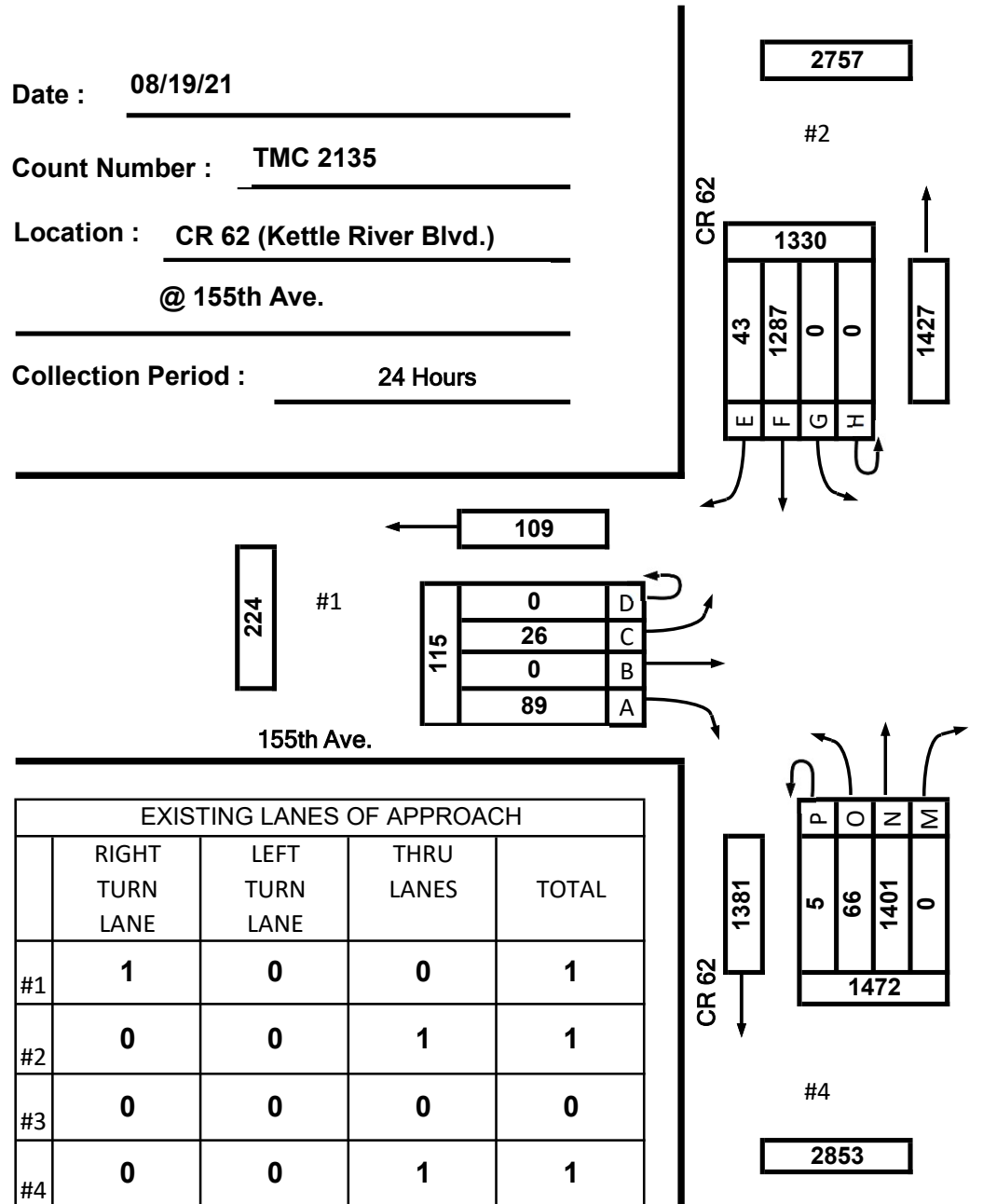


Date : 08/19/21

Count Number : TMC 2135

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

Collection Period : 24 Hours



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

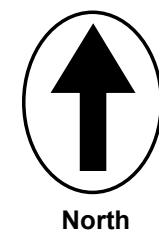
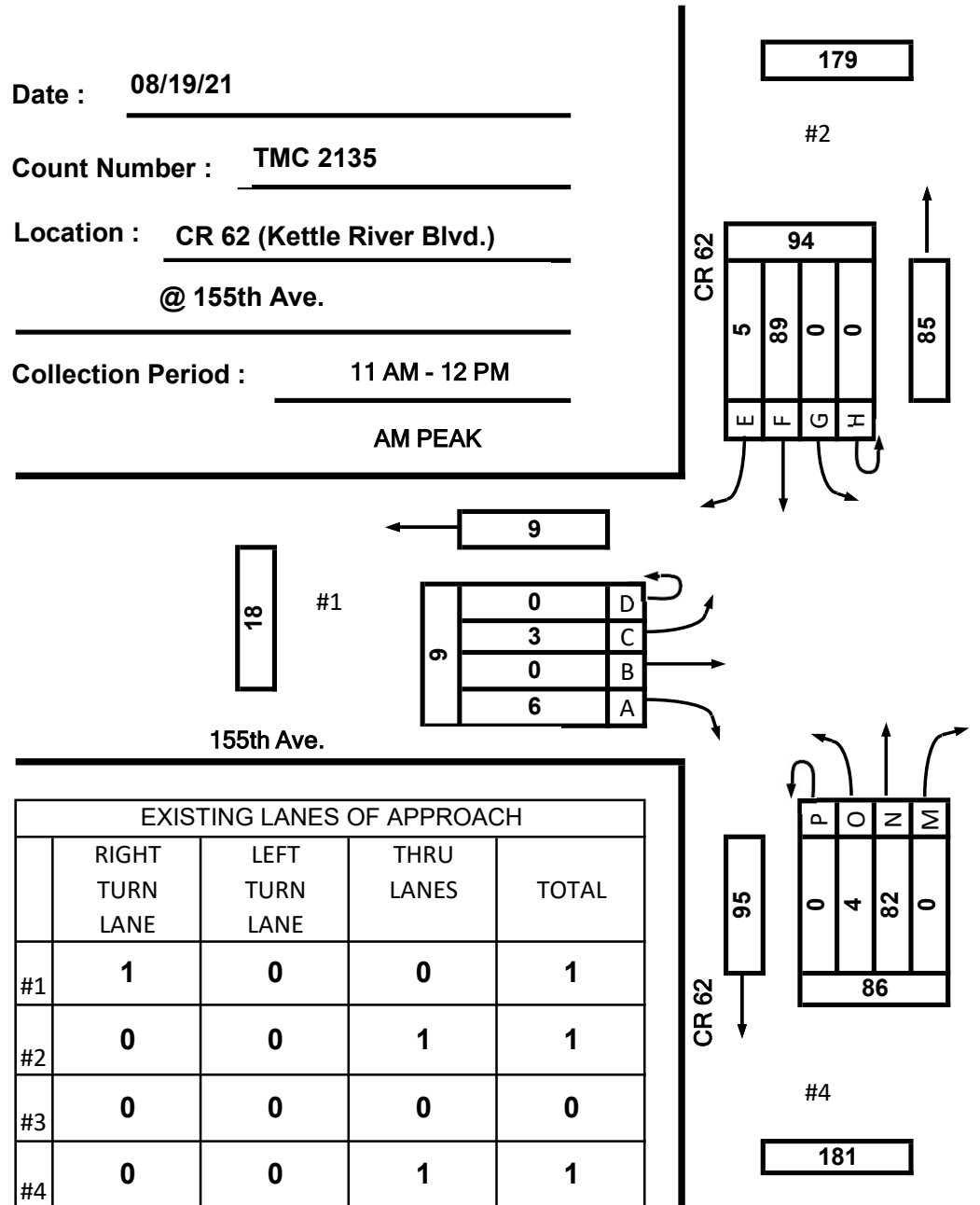
Traffic Volume and Turning Movement Study

Date : 08/19/21

Count Number : TMC 2135

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

Collection Period : 11 AM - 12 PM
AM PEAK



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

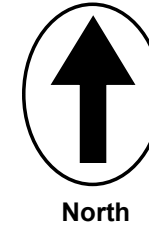
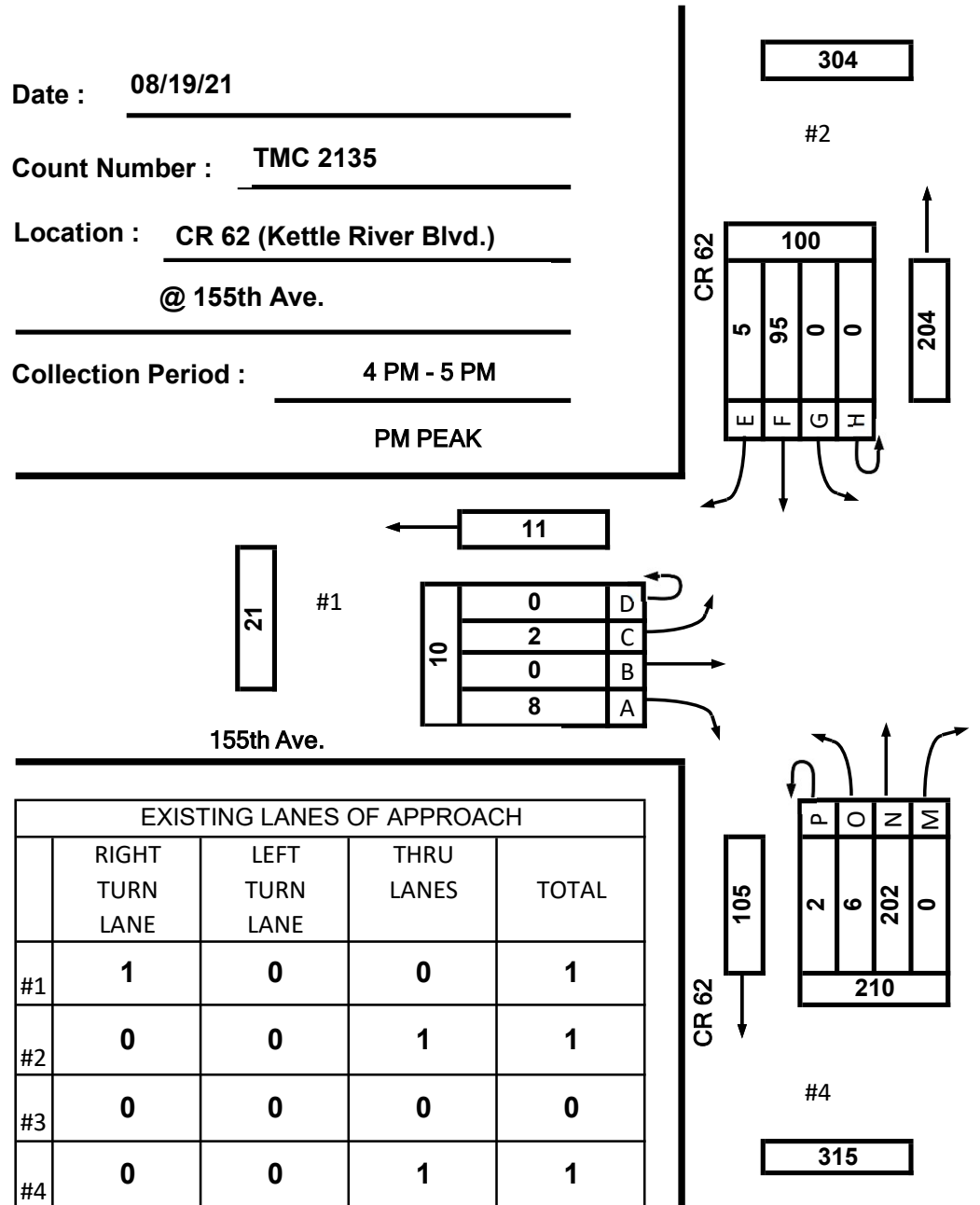
Anoka County Highway Department
 Traffic Volume and Turning Movement Study

Date : 08/19/21

Count Number : TMC 2135

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

Collection Period : 4 PM - 5 PM
PM PEAK



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

**CR 62 (Kettle River Blvd) and 155th Ave
Columbus MN
Thursday, August 19, 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	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	
12:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	4
12:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	
Hourly Total	0	0	5	0	0	5	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	1	0	1	0	0	0	0	0	0	9
1:00 AM	0	0	0	1	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	0	1
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	0	0	0	0	0	0	0	2
1:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0
Hourly Total	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
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	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	0	1
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	0	0	0	0	0	0	0	3
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	0	1
Hourly Total	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0
3:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	6
4:00 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	0	0	0	0	0	0	0	3
4:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	5
4:30 AM	0	0	6	0	0	6	0	0	0	0	0	0	1	0	3	0	0	4	0	1	0	0	0	0	1	0	0	0	0	0	0	11
4:45 AM	0	0	10	0	0	10	0	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
Hourly Total	0	0	22	0	0	22	0	0	0	0	0	0	1	0	4	0	0	5	0	1	0	0	1	0	2	0	0	0	0	0	0	29
5:00 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
5:15 AM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
5:30 AM	0	0	25	0	0	25	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	2	0	3	0	0	0	0	0	0	29
5:45 AM	0	0	29	0	0	29	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Hourly Total	0	0	74	0	0	74	0	0	0	0	0	0	0	0	9	0	0	9	0	1	0	0	2	0	3	0	0	0	0	0	0	86
6:00 AM	0	0	24	0	0	24	0	0	0	0	0	0	0	0	3	0	0	3	0	2	0	0	2	0	4	0	0	0	0	0	0	31
6:15 AM	0	0	33	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	36
6:30 AM	0	0	22	0	0	22	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	1	0	1	0	0	0	0	0	0	31
6:45 AM	0	0	27	0	0	27	0	0	0	0	0	0	0	2	8	0	0	10	0	0	0	0	0	1	0	0	0	0	0	0	0	37
Hourly Total	0	0	106	0	0	106	0	0	0	0	0	0	0	3	18	0	0	21	0	2	0	0	6	1	8	0	0	0	0	0	0	135
7:00 AM	0	0	20	0	0	20	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	1	0	1	0	0	0	0	0	0	28
7:15 AM	0	0	26	0	0	26	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	2	0	2	0	0	0	0	0	0	44
7:30 AM	0	0	28	1	0	29	0	0	0	0	0	0	0	0	17	0	0	17	0	0	0	0	3	0	3	0	0	0	0	0	0	49
7:45 AM	0	0	28	0	0	28	0	0	0	0	0	0	0	2	11	0	0	13	0	1	0	0	0	0	1	0	0	0	0	0	0	42
Hourly Total	0	0	102	1	0	103	0	0	0	0	0	0	0	2	51	0	0	53	0	1	0	0	6	0	7	0	0	0	0	0	0	163

**CR 62 (Kettle River Blvd) and 155th Ave
Columbus MN
Thursday, August 19, 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	15	0	0	15	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	1	0	1	29
8:15 AM	0	0	21	0	0	21	0	0	0	0	0	0	0	2	9	0	0	11	0	1	0	3	0	4	36
8:30 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	1	18	0	0	19	0	0	0	0	0	0	35
8:45 AM	0	0	20	0	0	20	0	0	0	0	0	0	0	1	8	0	0	9	0	0	0	3	0	3	32
Hourly Total	0	0	72	0	0	72	0	0	0	0	0	0	0	4	48	0	0	52	0	1	0	7	0	8	132
9:00 AM	0	0	8	1	0	9	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	22
9:15 AM	0	0	17	1	0	18	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	2	0	2	34
9:30 AM	0	0	17	1	0	18	0	0	0	0	0	0	1	0	17	0	0	18	0	1	0	1	0	2	38
9:45 AM	0	0	18	1	0	19	0	0	0	0	0	0	1	1	15	0	0	17	0	0	0	1	0	1	37
Hourly Total	0	0	60	4	0	64	0	0	0	0	0	0	2	1	58	0	0	61	0	1	0	5	0	6	131
10:00 AM	0	0	19	2	0	21	0	0	0	0	0	0	0	1	11	0	0	12	0	0	0	5	0	5	38
10:15 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	1	14	0	0	15	0	0	0	0	0	0	31
10:30 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	24	0	0	24	0	0	0	4	0	4	44
10:45 AM	0	0	17	0	0	17	0	0	0	0	0	0	0	2	15	0	0	17	0	0	0	4	0	4	38
Hourly Total	0	0	68	2	0	70	0	0	0	0	0	0	0	4	64	0	0	68	0	0	0	13	0	13	151
11:00 AM	0	0	25	1	0	26	0	0	0	0	0	0	0	0	17	0	0	17	0	1	0	1	0	2	45
11:15 AM	0	0	23	1	0	24	0	0	0	0	0	0	0	3	24	0	0	27	0	2	0	0	0	2	53
11:30 AM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	17	0	0	17	0	0	0	2	0	2	31
11:45 AM	0	0	29	3	0	32	0	0	0	0	0	0	0	1	24	0	0	25	0	0	0	3	0	3	60
Hourly Total	0	0	89	5	0	94	0	0	0	0	0	0	0	4	82	0	0	86	0	3	0	6	0	9	189
12:00 PM	0	0	23	0	0	23	0	0	0	0	0	0	0	1	22	0	0	23	0	0	0	0	0	0	46
12:15 PM	0	0	20	0	0	20	0	0	0	0	0	0	0	1	19	0	0	20	0	0	0	0	0	0	40
12:30 PM	0	0	11	2	0	13	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	1	0	1	33
12:45 PM	0	0	17	2	0	19	0	0	0	0	0	0	0	2	25	0	0	27	0	4	0	0	0	4	50
Hourly Total	0	0	71	4	0	75	0	0	0	0	0	0	0	4	85	0	0	89	0	4	0	1	0	5	169
1:00 PM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	40
1:15 PM	0	0	17	0	0	17	0	0	0	0	0	0	0	2	14	0	0	16	0	0	0	3	0	3	36
1:30 PM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	24	0	0	24	0	0	0	2	0	2	45
1:45 PM	0	0	19	0	0	19	0	0	0	0	0	0	0	3	20	0	0	23	0	0	0	2	0	2	44
Hourly Total	0	0	74	0	0	74	0	0	0	0	0	0	0	5	79	0	0	84	0	0	0	7	0	7	165
2:00 PM	0	0	14	2	0	16	0	0	0	0	0	0	0	1	30	0	0	31	0	0	0	3	0	3	50
2:15 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	0	30	0	0	30	0	1	0	1	0	2	50
2:30 PM	0	0	21	1	0	22	0	0	0	0	0	0	0	2	24	0	0	26	0	1	0	0	0	1	49
2:45 PM	0	0	14	2	0	16	0	0	0	0	0	0	0	1	43	0	0	44	0	0	0	3	0	3	63
Hourly Total	0	0	67	5	0	72	0	0	0	0	0	0	0	4	127	0	0	131	0	2	0	7	0	9	212
3:00 PM	0	0	21	1	0	22	0	0	0	0	0	0	0	0	32	0	0	32	0	0	0	0	0	0	54
3:15 PM	0	0	17	2	0	19	0	0	0	0	0	0	0	1	46	0	0	47	0	0	0	0	0	0	66
3:30 PM	0	0	25	0	0	25	0	0	0	0	0	0	0	0	41	0	0	41	0	0	0	3	0	3	69
3:45 PM	0	0	22	0	0	22	0	0	0	0	0	0	0	2	35	0	0	37	0	1	0	0	0	1	60
Hourly Total	0	0	85	3	0	88	0	0	0	0	0	0	0	3	154	0	0	157	0	1	0	3	0	4	249

**CR 62 (Kettle River Blvd) and 155th Ave
Columbus MN
Thursday, August 19, 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	29	1	0	30	0	0	0	0	0	0	1	1	57	0	0	59	0	0	0	3	0	3	92
4:15 PM	0	0	19	1	0	20	0	0	0	0	0	0	0	2	52	0	0	54	0	1	0	2	0	3	77
4:30 PM	0	0	25	2	0	27	0	0	0	0	0	0	1	2	49	0	0	52	0	1	0	1	0	2	81
4:45 PM	0	0	22	1	0	23	0	0	0	0	0	0	0	1	44	0	0	45	0	0	0	2	0	2	70
Hourly Total	0	0	95	5	0	100	0	0	0	0	0	0	2	6	202	0	0	210	0	2	0	8	0	10	320
5:00 PM	0	0	21	0	0	21	0	0	0	0	0	0	0	2	41	0	0	43	0	1	0	2	0	3	67
5:15 PM	0	0	18	1	0	19	0	0	0	0	0	0	0	2	54	0	0	56	0	0	0	0	0	0	75
5:30 PM	0	0	18	1	0	19	0	0	0	0	0	0	0	0	42	0	0	42	0	1	0	2	0	3	64
5:45 PM	0	0	21	1	0	22	0	0	0	0	0	0	0	3	36	0	0	39	0	1	0	1	0	2	63
Hourly Total	0	0	78	3	0	81	0	0	0	0	0	0	0	7	173	0	0	180	0	3	0	5	0	8	269
6:00 PM	0	0	23	1	0	24	0	0	0	0	0	0	0	2	26	0	0	28	0	1	0	2	0	3	55
6:15 PM	0	0	13	1	0	14	0	0	0	0	0	0	0	0	28	0	0	28	0	0	0	0	0	0	42
6:30 PM	0	0	16	2	0	18	0	0	0	0	0	0	0	3	13	0	0	16	0	0	0	1	0	1	35
6:45 PM	0	0	15	0	0	15	0	0	0	0	0	0	0	1	30	0	0	31	0	2	0	0	0	2	48
Hourly Total	0	0	67	4	0	71	0	0	0	0	0	0	0	6	97	0	0	103	0	3	0	3	0	6	180
7:00 PM	0	0	13	0	0	13	0	0	0	0	0	0	0	1	15	0	0	16	0	0	0	2	0	2	31
7:15 PM	0	0	19	1	0	20	0	0	0	0	0	0	0	1	12	0	0	13	0	0	0	1	0	1	34
7:30 PM	0	0	14	2	0	16	0	0	0	0	0	0	0	1	16	0	0	17	0	1	0	0	0	1	34
7:45 PM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	0	0	0	32
Hourly Total	0	0	60	3	0	63	0	0	0	0	0	0	0	3	61	0	0	64	0	1	0	3	0	4	131
8:00 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	18
8:15 PM	0	0	16	1	0	17	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	25
8:30 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	27
8:45 PM	0	0	7	1	0	8	0	0	0	0	0	0	0	1	14	0	0	15	0	0	0	0	0	0	23
Hourly Total	0	0	47	2	0	49	0	0	0	0	0	0	0	1	43	0	0	44	0	0	0	0	0	0	93
9:00 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	2	4	0	0	6	0	0	0	0	0	0	12
9:15 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	1	6	0	0	7	0	0	0	0	0	0	14
9:30 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	1	0	1	16
9:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4
Hourly Total	0	0	20	0	0	20	0	0	0	0	0	0	0	4	21	0	0	25	0	0	0	1	0	1	46
10:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	3	0	0	5	0	0	0	0	0	0	6
10:15 PM	0	0	3	1	0	4	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	9
10:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	5	0	0	7	0	0	0	2	0	2	10
10:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	5
Hourly Total	0	0	8	1	0	9	0	0	0	0	0	0	0	5	14	0	0	19	0	0	0	2	0	2	30
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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	4
11:30 PM	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
11:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4
Hourly Total	0	0	8	0	0	8	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	1	0	1	13
DAILY TOTAL	0	0	1287	43	0	1330	0	0	0	0	0	0	5	66	1401	0	0	1472	0	26	0	89	1	115	2917
Cars	0	0	1232	43	0	1275	0	0	0	0	0	0	5	64	1326	0	0	1395	0	26	0	86	1	112	2782
Heavy Vehicles	0	0	55	0	0	55	0	0	0	0	0	0	0	2	75	0	0	77	0	0	0	3	0	3	135
Heavy Vehicle %	0.00%	0.00%	4.27%	0.00%	0.00%	4.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.03%	5.35%	0.00%	0.00%	5.23%	0.00%	0.00%	0.00%	3.37%	0.00%	2.61%	4.63%

**CR 62 (Kettle River Blvd) and 155th Ave
Columbus MN
Thursday, August 19, 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																																																																																																																			
11:00 AM	0	0	25	1	0	26	0	0	0	0	0	0	0	0	17	0	0	17	0	1	0	1	0	2	0	0	23	1	0	24	0	0	0	0	0	0	0	3	24	0	0	27	0	0	0	2	0	2	0	0	12	0	0	12	0	0	17	0	0	17	0	0	0	2	0	2	0	0	29	3	0	32	0	0	0	0	0	0	0	1	24	0	0	25	0	0	0	3	0	3	0	0	89	5	0	94	0	0	0	0	0	0	0	4	82	0	0	86	0	3	0	6	0	9	0.000	0.000	0.767	0.417	0.000	0.734	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.854	0.000	0.000	0.796	0.000	0.375	0.000	0.500	0.000	0.750	0.000
Peak Hour Total PHF																																																																																																																																											

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	29	1	0	30	0	0	0	0	0	0	1	1	57	0	0	59	0	0	0	3	0	3	0	0	19	1	0	20	0	0	0	0	0	0	0	2	52	0	0	54	0	1	0	2	0	3	0	0	25	2	0	27	0	0	49	0	0	52	0	1	0	1	0	2	0	0	22	1	0	23	0	0	0	0	0	0	0	1	44	0	0	45	0	0	0	2	0	2	0	0	95	5	0	100	0	0	0	0	0	0	2	6	202	0	0	210	0	2	0	8	0	10	0.000	0.000	0.819	0.625	0.000	0.833	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.750	0.886	0.000	0.000	0.890	0.000	0.500	0.000	0.667	0.000	0.833	0.000
Peak Hour Total PHF																																																																																																																																											

Total Vehicles On Leg				2757			
Vehicles Entering Intersection		1330		Vehicles Exiting Intersection		1427	
Southbound							
Cars	43	1232	0	0	0		
Heavy	0	55	0	0	0		
Total	43	1287	0	0	0		

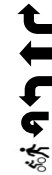


Total Vehicles on Leg 224	Eastbound	Vehicles Entering Intersection	115		
		Cars	1	0	1
		Heavy	0	0	0
		Total	26	0	26
		Vehicles Exiting Intersection	109		
		Cars	0	0	0
		Heavy	0	0	0
		Total	86	3	89



Daily Volumes

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



Total Vehicles On Leg				2853			
Vehicles Entering Intersection		1472		Vehicles Exiting Intersection		1381	
Cars	0	5	64	1326	0		
Heavy	0	0	2	75	0		
Total	0	5	66	1401	0		
Northbound							



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2135

Study Date : 09/10/2021

Signal Warrants - Summary

Major Street Approaches

Northbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,472

Southbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,330

Minor Street Approaches

Eastbound: 155th Ave.

Number of Lanes : 1

Total Approach Volume: 115

Westbound: 155th Ave.

Number of Lanes : 1

Total Approach Volume: 0

Warrant Summary (Urban 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 2135

Study Date : 09/10/2021

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 = **False**
 Number of Major Lanes = **1**
 Number of Minor Lanes = **1**

Volume Requirements

Veh/Hr Major = **500**

Veh/Hr Minor = **150**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CR 62 (Kettle River Blvd.)					155th Ave.		
16:00 - 17:00	210	+	100	=	310	10	0	No
15:45 - 16:45	202	+	99	=	301	9	0	No
15:30 - 16:30	191	+	97	=	288	10	0	No
16:30 - 17:30	196	+	90	=	286	7	0	No
16:15 - 17:15	194	+	91	=	285	10	0	No
15:15 - 16:15	184	+	96	=	280	7	0	No
16:45 - 17:45	186	+	82	=	268	8	0	No
17:00 - 18:00	180	+	81	=	261	8	0	No
17:15 - 18:15	165	+	84	=	249	8	0	No
14:45 - 15:45	164	+	82	=	246	6	0	No
15:00 - 16:00	157	+	88	=	245	4	0	No
14:30 - 15:30	149	+	79	=	228	4	0	No
17:30 - 18:30	137	+	79	=	216	8	0	No
14:15 - 15:15	132	+	78	=	210	6	0	No
14:00 - 15:00	131	+	72	=	203	9	0	No
17:45 - 18:45	111	+	78	=	189	6	0	No
13:45 - 14:45	110	+	75	=	185	8	0	No
11:15 - 12:15	92	+	91	=	183	7	0	No
13:30 - 14:30	108	+	72	=	180	9	0	No
11:00 - 12:00	86	+	94	=	180	9	0	No
11:45 - 12:45	87	+	88	=	175	4	0	No
18:00 - 19:00	103	+	71	=	174	6	0	No
11:30 - 12:30	85	+	87	=	172	5	0	No
10:30 - 11:30	85	+	83	=	168	12	0	No
13:15 - 14:15	94		71		165	10	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2135

Study Date : 09/10/2021

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 = **False**
 Number of Major Lanes = **1**
 Number of Minor Lanes = **1**

Volume Requirements

Veh/Hr Major = **750**

Veh/Hr Minor = **75**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CR 62 (Kettle River Blvd.)					155th Ave.		
16:00 - 17:00	210	+	100	=	310	10	0	No
15:45 - 16:45	202	+	99	=	301	9	0	No
15:30 - 16:30	191	+	97	=	288	10	0	No
16:30 - 17:30	196	+	90	=	286	7	0	No
16:15 - 17:15	194	+	91	=	285	10	0	No
15:15 - 16:15	184	+	96	=	280	7	0	No
16:45 - 17:45	186	+	82	=	268	8	0	No
17:00 - 18:00	180	+	81	=	261	8	0	No
17:15 - 18:15	165	+	84	=	249	8	0	No
14:45 - 15:45	164	+	82	=	246	6	0	No
15:00 - 16:00	157	+	88	=	245	4	0	No
14:30 - 15:30	149	+	79	=	228	4	0	No
17:30 - 18:30	137	+	79	=	216	8	0	No
14:15 - 15:15	132	+	78	=	210	6	0	No
14:00 - 15:00	131	+	72	=	203	9	0	No
17:45 - 18:45	111	+	78	=	189	6	0	No
13:45 - 14:45	110	+	75	=	185	8	0	No
11:15 - 12:15	92	+	91	=	183	7	0	No
13:30 - 14:30	108	+	72	=	180	9	0	No
11:00 - 12:00	86	+	94	=	180	9	0	No
11:45 - 12:45	87	+	88	=	175	4	0	No
18:00 - 19:00	103	+	71	=	174	6	0	No
11:30 - 12:30	85	+	87	=	172	5	0	No
10:30 - 11:30	85	+	83	=	168	12	0	No
13:15 - 14:15	94		71		165	10	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2135

Study Date : 09/10/2021

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 = **False**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Volume Requirements

Warrant 1A 1B
Veh/Hr Major = **400 600**

Veh/Hr Minor = **120 60**

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	210	+	100	=	310	10	0	No
15:45 - 16:45	202	+	99	=	301	9	0	No
15:30 - 16:30	191	+	97	=	288	10	0	No
16:30 - 17:30	196	+	90	=	286	7	0	No
16:15 - 17:15	194	+	91	=	285	10	0	No
15:15 - 16:15	184	+	96	=	280	7	0	No
16:45 - 17:45	186	+	82	=	268	8	0	No
17:00 - 18:00	180	+	81	=	261	8	0	No
17:15 - 18:15	165	+	84	=	249	8	0	No
14:45 - 15:45	164	+	82	=	246	6	0	No
15:00 - 16:00	157	+	88	=	245	4	0	No
14:30 - 15:30	149		79		228	4	0	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	210	+	100	=	310	10	0	No
15:45 - 16:45	202	+	99	=	301	9	0	No
15:30 - 16:30	191	+	97	=	288	10	0	No
16:30 - 17:30	196	+	90	=	286	7	0	No
16:15 - 17:15	194	+	91	=	285	10	0	No
15:15 - 16:15	184	+	96	=	280	7	0	No
16:45 - 17:45	186	+	82	=	268	8	0	No
17:00 - 18:00	180	+	81	=	261	8	0	No
17:15 - 18:15	165	+	84	=	249	8	0	No
14:45 - 15:45	164	+	82	=	246	6	0	No
15:00 - 16:00	157	+	88	=	245	4	0	No
14:30 - 15:30	149		79		228	4	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2135

Study Date : 09/10/2021

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.

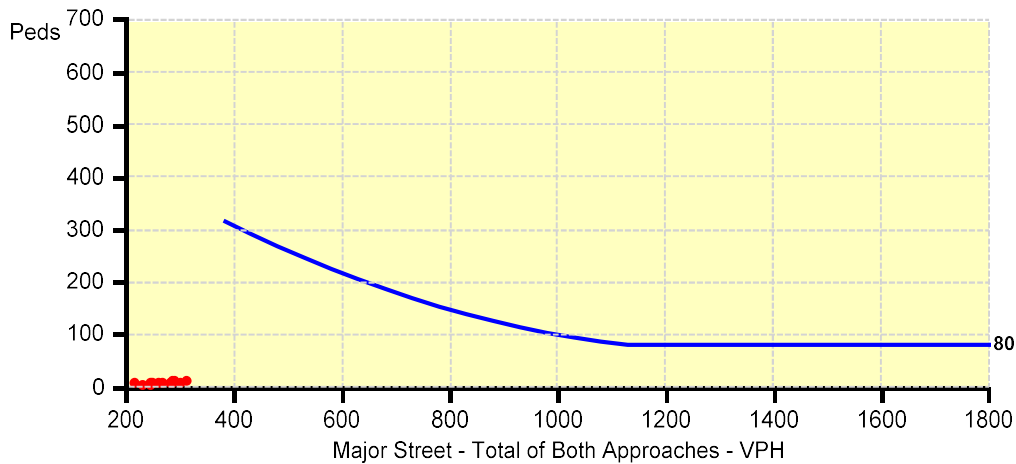
Summary

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

Site Data Required

Rural Settings Apply = **False**
 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	210	+	100	=	310	10	0	No
15:45 - 16:45	202	+	99	=	301	9	0	No
15:30 - 16:30	191	+	97	=	288	10	0	No
16:30 - 17:30	196	+	90	=	286	7	0	No
16:15 - 17:15	194	+	91	=	285	10	0	No
15:15 - 16:15	184	+	96	=	280	7	0	No
16:45 - 17:45	186	+	82	=	268	8	0	No
17:00 - 18:00	180	+	81	=	261	8	0	No
17:15 - 18:15	165	+	84	=	249	8	0	No
14:45 - 15:45	164	+	82	=	246	6	0	No
15:00 - 16:00	157	+	88	=	245	4	0	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2135

Study Date : 09/10/2021

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 = **False**
 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	210	+	100	=	310	10	0	No	
15:45 - 16:45	202	+	99	=	301	9	0	No	
15:30 - 16:30	191	+	97	=	288	10	0	No	
16:30 - 17:30	196	+	90	=	286	7	0	No	
16:15 - 17:15	194	+	91	=	285	10	0	No	
15:15 - 16:15	184	+	96	=	280	7	0	No	
16:45 - 17:45	186	+	82	=	268	8	0	No	
17:00 - 18:00	180	+	81	=	261	8	0	No	
17:15 - 18:15	165	+	84	=	249	8	0	No	
14:45 - 15:45	164	+	82	=	246	6	0	No	
15:00 - 16:00	157	+	88	=	245	4	0	No	

