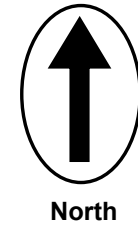


Date: 04/30/24

Count Number: TMC 2455

Location: CSAH 12
@ 111th Ln

Collection Period: 24 HR



North

7553

#2

CSAH 12

3635			
E	F	G	H
111	3382	141	1

3918

Eisenhower Elementary

I	180	324
J	7	
K	137	
L	0	

#3

640

316

483

#1

217

266	1	D
	67	C
	34	B
	164	A

111th Ln

P	O	N	M
0	98	3670	141
3909			

#4

7592

CSAH 12

3683

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

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

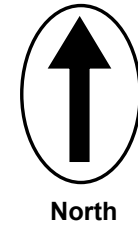
Date: 04/30/24

Count Number: TMC 2455

Location: CSAH 12
@ 111th Ln

Collection Period: 24 HR

Peak Hour: 8:45 - 9:45 AM



North

490

#2

CSAH 12

251			
2	193	55	1
E	F	G	H

239

Eisenhower Elementary

I	53	112
J	3	
K	56	
L	0	

#3

241

129

8

39

#1

31	0	D
	2	C
	18	B
	11	A

111th Ln

P	O	N	M
0	3	183	56
242			

#4

502

CSAH 12

260

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

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

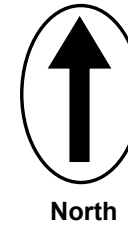
Date: 04/30/24

Count Number: TMC 2455

Location: CSAH 12
@ 111th Ln

Collection Period: 24 HR

Peak Hour: 3:15 - 4:15 PM



North

721

#2

CSAH 12

353			
E	F	G	H
9	305	39	0

368

Eisenhower Elementary

I	64	104
J	1	
K	39	
L	0	

#3

196

92

56

#1

26

30	0	D
	9	C
	8	B
	13	A

111th Ln

CSAH 12

357

P	O	N	M
0	16	295	45
356			

#4

713

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

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

**TMC 2455 - CSAH 12 @ 111th Ln
Coon Rapids MN
Tuesday, April 30, 2024**

Time	Southbound CSAH 12						Westbound Eisenhower Elementary						Northbound CSAH 12						Eastbound 111th Ln						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	3	0	0	3	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	8
12:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	6
12:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5
12:45 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	6
Hourly Total	0	0	11	0	0	11	0	0	0	0	0	0	0	1	13	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	25
1:00 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	3
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	0	0	0	0	0
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4
Hourly Total	0	0	3	0	0	3	0	0	0	0	0	0	0	2	3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	8
2:00 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	2
2:15 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	0	0	0	0	0	0	2
2:30 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	2
2:45 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	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	0	0	0	0	0	0	0	0	8
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30 AM	0	0	5	0	0	5	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
3:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6
Hourly Total	0	0	11	0	0	11	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	16
4:00 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	6
4:15 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	11
4:30 AM	0	0	6	0	0	6	0	1	0	0	0	1	0	0	5	0	0	5	0	1	0	1	0	2	0	0	0	0	0	0	14
4:45 AM	0	0	12	0	0	12	0	0	0	0	0	0	0	1	6	0	0	7	0	1	0	1	0	2	0	0	0	0	0	0	21
Hourly Total	0	0	29	0	0	29	0	1	0	0	0	1	0	1	16	0	0	17	0	2	0	3	0	5	0	0	0	0	0	0	52
5:00 AM	0	0	10	1	0	11	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	0	1	0	0	0	0	0	0	16
5:15 AM	0	0	7	1	0	8	0	0	0	0	0	0	0	0	7	0	0	7	0	1	0	0	0	1	0	0	0	0	0	0	16
5:30 AM	0	0	17	0	0	17	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	26
5:45 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	0	0	0	0	0	0	40
Hourly Total	0	0	58	2	0	60	0	0	0	0	0	0	0	0	34	0	0	34	0	2	0	2	0	4	0	0	0	0	0	0	98
6:00 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	3	0	3	0	0	0	0	0	0	21
6:15 AM	0	0	17	1	0	18	0	0	0	0	0	0	0	0	19	0	0	19	0	2	0	2	1	4	0	0	0	0	0	0	41
6:30 AM	0	0	26	0	0	26	0	0	0	0	0	0	0	0	20	0	0	20	0	0	0	4	0	4	0	0	0	0	0	0	50
6:45 AM	0	1	22	1	0	24	0	1	0	0	2	1	0	1	42	0	2	43	0	2	0	2	1	4	0	0	0	0	0	0	72
Hourly Total	0	1	72	2	0	75	0	1	0	0	2	1	0	1	92	0	2	93	0	4	0	11	2	15	0	0	0	0	0	0	184
7:00 AM	0	0	33	2	0	35	0	0	0	0	0	0	0	0	40	0	0	40	0	0	0	6	0	6	0	0	0	0	0	0	81
7:15 AM	0	1	50	3	0	54	0	0	0	1	0	1	0	0	35	1	0	36	0	1	0	7	0	8	0	0	0	0	0	0	99
7:30 AM	0	1	62	2	0	65	0	0	0	1	0	1	0	4	60	3	0	67	0	1	0	4	2	5	0	0	0	0	0	0	138
7:45 AM	0	0	50	1	0	51	0	0	0	0	1	0	0	2	88	1	2	91	0	2	1	4	0	7	0	0	0	0	0	0	149
Hourly Total	0	2	195	8	0	205	0	0	0	2	1	2	0	6	223	5	2	234	0	4	1	21	2	26	0	0	0	0	0	0	467

**TMC 2455 - CSAH 12 @ 111th Ln
Coon Rapids MN
Tuesday, April 30, 2024**

Time	Southbound CSAH 12						Westbound Eisenhower Elementary						Northbound CSAH 12						Eastbound 111th Ln						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	5	55	1	0	61	0	1	0	1	1	3	0	1	88	1	0	90	0	1	0	0	0	1	154
8:15 AM	0	8	74	1	0	83	0	0	0	0	0	0	0	0	57	5	0	62	0	1	0	4	0	5	150
8:30 AM	0	2	39	1	0	42	0	0	0	0	0	0	0	2	38	2	0	42	0	0	2	3	0	5	89
8:45 AM	0	12	56	0	0	68	0	1	0	0	0	1	0	3	52	2	0	57	0	0	0	1	0	1	127
Hourly Total	0	27	224	3	0	254	0	2	0	1	1	3	0	6	235	10	0	251	0	2	2	8	0	12	520
9:00 AM	0	24	50	1	0	75	0	30	1	22	0	53	0	0	50	28	5	78	0	0	11	6	1	17	223
9:15 AM	1	19	45	1	0	66	0	16	2	30	0	48	0	0	44	18	4	62	0	1	6	1	0	8	184
9:30 AM	0	0	42	0	0	42	0	9	0	1	0	10	0	0	37	8	0	45	0	1	1	3	1	5	102
9:45 AM	0	1	35	2	0	38	0	3	0	1	0	4	0	0	49	2	1	51	0	1	0	2	0	3	96
Hourly Total	1	44	172	4	0	221	0	58	3	54	0	115	0	0	180	56	10	236	0	3	18	12	2	33	605
10:00 AM	0	1	30	0	0	31	0	0	0	0	2	2	0	0	43	1	0	44	0	1	1	1	2	3	78
10:15 AM	0	2	51	1	0	54	0	1	0	1	0	2	0	1	46	1	0	48	0	0	0	3	0	3	107
10:30 AM	0	1	30	1	0	32	0	0	0	0	0	0	0	3	35	0	1	38	0	1	0	4	0	5	75
10:45 AM	0	1	45	2	0	48	0	2	0	3	1	5	0	2	46	3	0	51	0	0	0	1	0	1	105
Hourly Total	0	5	156	4	0	165	0	3	0	4	3	7	0	6	170	5	1	181	0	2	1	9	2	12	365
11:00 AM	0	0	39	1	0	40	0	1	0	0	0	1	0	3	56	2	0	61	0	2	0	1	0	3	105
11:15 AM	0	0	46	2	0	48	0	0	0	4	0	4	0	2	60	1	0	63	0	0	0	2	1	2	117
11:30 AM	0	1	36	1	0	38	0	0	0	3	2	3	0	0	58	0	0	58	0	1	0	1	0	2	101
11:45 AM	0	0	53	0	0	53	0	2	1	2	1	5	0	4	61	4	0	69	0	3	0	5	1	8	135
Hourly Total	0	1	174	4	0	179	0	3	1	9	3	13	0	9	235	7	0	251	0	6	0	9	2	15	458
12:00 PM	0	1	53	2	0	56	0	1	0	1	1	2	0	1	59	0	0	60	0	0	0	4	1	4	122
12:15 PM	0	0	49	5	0	54	0	2	0	0	2	2	0	2	54	0	1	56	0	2	0	2	0	4	116
12:30 PM	0	0	55	3	0	58	0	1	0	1	1	2	0	1	59	0	0	60	0	1	0	3	1	4	124
12:45 PM	0	0	51	2	0	53	0	0	0	1	0	1	0	2	64	0	0	66	0	1	0	4	0	5	125
Hourly Total	0	1	208	12	0	221	0	4	0	3	4	7	0	6	236	0	1	242	0	4	0	13	2	17	487
1:00 PM	0	1	53	1	0	55	0	0	0	1	0	1	0	0	66	0	0	66	0	0	0	3	1	3	125
1:15 PM	0	0	53	2	0	55	0	0	0	0	0	0	0	3	60	1	0	64	0	0	0	1	0	1	120
1:30 PM	0	0	45	0	0	45	0	2	0	0	1	2	0	0	60	0	0	60	0	1	0	2	3	3	110
1:45 PM	0	2	48	0	0	50	0	2	0	0	2	2	0	0	42	1	0	43	0	0	0	3	0	3	98
Hourly Total	0	3	199	3	0	205	0	4	0	1	3	5	0	3	228	2	0	233	0	1	0	9	4	10	453
2:00 PM	0	0	47	4	0	51	0	2	0	0	1	2	0	1	45	0	1	46	0	3	0	2	0	5	104
2:15 PM	0	1	54	2	0	57	0	0	0	0	1	0	0	2	60	0	0	62	1	1	0	2	0	4	123
2:30 PM	0	1	66	3	0	70	0	0	0	1	1	1	0	1	75	1	0	77	0	0	0	1	1	1	149
2:45 PM	0	2	76	3	0	81	0	2	0	2	0	4	0	1	103	1	0	105	0	0	0	3	0	3	193
Hourly Total	0	4	243	12	0	259	0	4	0	3	3	7	0	5	283	2	1	290	1	4	0	8	1	13	569
3:00 PM	0	2	93	4	0	99	0	1	0	3	1	4	0	1	69	4	3	74	0	0	1	2	4	3	180
3:15 PM	0	8	90	0	0	98	0	0	0	2	0	2	0	4	61	7	2	72	0	3	3	1	2	7	179
3:30 PM	0	8	73	3	0	84	0	2	0	1	1	3	0	3	80	18	0	101	0	2	1	4	1	7	195
3:45 PM	0	15	73	3	0	91	0	3	0	2	2	5	0	2	73	13	3	88	0	3	3	4	0	10	194
Hourly Total	0	33	329	10	0	372	0	6	0	8	4	14	0	10	283	42	8	335	0	8	8	11	7	27	748

**TMC 2455 - CSAH 12 @ 111th Ln
Coon Rapids MN
Tuesday, April 30, 2024**

Time	Southbound CSAH 12						Westbound Eisenhower Elementary						Northbound CSAH 12						Eastbound 111th Ln						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	8	69	3	0	80	0	34	1	59	1	94	0	7	81	7	9	95	0	1	1	4	2	6	275
4:15 PM	0	2	70	1	1	73	0	6	0	8	3	14	0	5	59	1	3	65	0	2	1	3	2	6	158
4:30 PM	0	0	72	6	0	78	0	4	0	11	0	15	0	3	85	1	0	89	0	3	0	2	1	5	187
4:45 PM	0	1	78	1	0	80	0	0	0	2	0	2	0	3	109	2	2	114	0	1	1	3	4	5	201
Hourly Total	0	11	289	11	1	311	0	44	1	80	4	125	0	18	334	11	14	363	0	7	3	12	9	22	821
5:00 PM	0	1	66	3	0	70	0	1	1	4	1	6	0	4	98	1	0	103	0	0	0	2	0	2	181
5:15 PM	0	0	86	2	0	88	0	2	0	1	0	3	0	3	66	0	3	69	0	3	0	3	0	6	166
5:30 PM	0	2	64	1	0	67	0	0	0	3	0	3	0	1	90	0	0	91	0	1	1	4	0	6	167
5:45 PM	0	1	57	2	0	60	0	0	1	3	0	4	0	0	71	0	0	71	0	1	0	3	0	4	139
Hourly Total	0	4	273	8	0	285	0	3	2	11	1	16	0	8	325	1	3	334	0	5	1	12	0	18	653
6:00 PM	0	1	67	0	0	68	0	2	0	0	0	2	0	2	72	0	1	74	0	2	0	3	0	5	149
6:15 PM	0	1	61	4	0	66	0	0	0	2	0	2	0	0	71	0	6	71	0	2	0	3	0	5	144
6:30 PM	0	0	63	3	0	66	0	0	0	1	0	1	0	0	76	0	0	76	0	0	0	4	0	4	147
6:45 PM	0	0	39	0	0	39	0	1	0	0	0	1	0	4	65	0	3	69	0	1	0	0	0	1	110
Hourly Total	0	2	230	7	0	239	0	3	0	3	0	6	0	6	284	0	10	290	0	5	0	10	0	15	550
7:00 PM	0	0	48	2	0	50	0	0	0	0	0	0	0	0	52	0	3	52	0	1	0	0	1	1	103
7:15 PM	0	0	55	1	0	56	0	0	0	1	0	1	0	0	51	0	0	51	0	0	0	0	0	0	108
7:30 PM	0	0	38	0	0	38	0	0	0	0	0	0	0	0	39	0	0	39	0	1	0	1	0	2	79
7:45 PM	0	1	49	3	0	53	0	1	0	0	0	1	0	0	42	0	0	42	0	1	0	1	0	2	98
Hourly Total	0	1	190	6	0	197	0	1	0	1	0	2	0	0	184	0	3	184	0	3	0	2	1	5	388
8:00 PM	0	0	37	3	0	40	0	0	0	0	0	0	0	2	30	0	0	32	0	0	0	1	0	1	73
8:15 PM	0	0	32	2	0	34	0	0	0	0	0	0	0	1	30	0	0	31	0	0	0	0	0	0	65
8:30 PM	0	0	32	1	0	33	0	0	0	0	0	0	0	1	34	0	0	35	0	0	0	5	0	5	73
8:45 PM	0	0	23	1	0	24	0	0	0	0	0	0	0	1	33	0	0	34	0	1	0	0	0	1	59
Hourly Total	0	0	124	7	0	131	0	0	0	0	0	0	0	5	127	0	0	132	0	1	0	6	0	7	270
9:00 PM	0	0	29	1	0	30	0	0	0	0	0	0	0	2	25	0	0	27	0	0	0	1	0	1	58
9:15 PM	0	0	29	0	0	29	0	0	0	0	0	0	0	0	27	0	0	27	0	0	0	0	0	0	56
9:30 PM	0	1	18	2	0	21	0	0	0	0	0	0	0	1	21	0	0	22	0	1	0	1	0	2	45
9:45 PM	0	0	17	2	0	19	0	0	0	0	0	0	0	0	24	0	0	24	0	1	0	1	0	2	45
Hourly Total	0	1	93	5	0	99	0	0	0	0	0	0	0	3	97	0	0	100	0	2	0	3	0	5	204
10:00 PM	0	0	14	1	0	15	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	24
10:15 PM	0	0	15	1	0	16	0	0	0	0	0	0	0	0	13	0	0	13	0	1	0	1	0	2	31
10:30 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	32
10:45 PM	0	0	17	1	0	18	0	0	0	0	0	0	0	1	13	0	0	14	0	0	0	2	0	2	34
Hourly Total	0	0	64	3	0	67	0	0	0	0	0	0	0	1	49	0	0	50	0	1	0	3	0	4	121
11:00 PM	0	0	18	0	0	18	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	30
11:15 PM	0	1	4	0	0	5	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	13
11:30 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	7	0	0	7	0	1	0	0	0	1	12
11:45 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	9
Hourly Total	0	1	30	0	0	31	0	0	0	0	0	0	0	1	31	0	0	32	0	1	0	0	0	1	64
DAILY TOTAL	1	141	3382	111	1	3635	0	137	7	180	29	324	0	98	3670	141	55	3909	1	67	34	164	34	266	8134
Cars	1	141	3308	109	1	3559	0	137	7	180	20	324	0	96	3585	141	48	3822	1	65	34	159	27	259	7964
Heavy Vehicles	0	0	74	2	0	76	0	0	0	0	9	0	0	2	85	0	7	87	0	2	0	5	7	7	170
Heavy Vehicle %	0.00%	0.00%	2.19%	1.80%	0.00%	2.09%	0.00%	0.00%	0.00%	0.00%	31.03%	0.00%	0.00%	2.04%	2.32%	0.00%	12.73%	2.23%	0.00%	2.99%	0.00%	3.05%	20.59%	2.63%	2.09%

**TMC 2455 - CSAH 12 @ 111th Ln
Coon Rapids MN
Tuesday, April 30, 2024
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							
8:45 AM	0	12	56	0	0	68	0	1	0	0	0	1	0	3	52	2	0	57	0	0	0	1	0	1	0	0	11	6	1	17	127
9:00 AM	0	24	50	1	0	75	0	30	1	22	0	53	0	0	50	28	5	78	0	0	11	6	1	17	223						
9:15 AM	1	19	45	1	0	66	0	16	2	30	0	48	0	0	44	18	4	62	0	1	6	1	0	8	184						
9:30 AM	0	0	42	0	0	42	0	9	0	1	0	10	0	0	37	8	0	45	0	1	1	3	1	5	102						
Peak Hour Total	1	55	193	2	0	251	0	56	3	53	0	112	0	3	183	56	9	242	0	2	18	11	2	31	636						
PHF	0.250	0.573	0.862	0.500	0.000	0.837	0.000	0.467	0.375	0.442	0.000	0.528	0.000	0.250	0.880	0.500	0.450	0.776	0.000	0.500	0.409	0.458	0.500	0.456	0.713						

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	
3:15 PM	0	8	90	0	0	98	0	0	0	2	0	2	0	4	61	7	2	72	0	3	3	1	2	7	179
3:30 PM	0	8	73	3	0	84	0	2	0	1	1	3	0	3	80	18	0	101	0	2	1	4	1	7	195
3:45 PM	0	15	73	3	0	91	0	3	0	2	2	5	0	2	73	13	3	88	0	3	3	4	0	10	194
4:00 PM	0	8	69	3	0	80	0	34	1	59	1	94	0	7	81	7	9	95	0	1	1	4	2	6	275
Peak Hour Total	0	39	305	9	0	353	0	39	1	64	4	104	0	16	295	45	14	356	0	9	8	13	5	30	843
PHF	0.000	0.650	0.847	0.750	0.000	0.901	0.000	0.287	0.250	0.271	0.500	0.277	0.000	0.571	0.910	0.625	0.389	0.881	0.000	0.750	0.667	0.813	0.625	0.750	0.766

Total Vehicles On Leg				7553			
Vehicles Entering Intersection		3635		Vehicles Exiting Intersection		3918	
Southbound							
Cars	109	3308	141	1	1		
Heavy	2	74	0	0	0		
Total	111	3382	141	1	1		



Total Vehicles on Leg 483	Vehicles Entering Intersection 266	Eastbound	Cars	Heavy	Total
			27	7	34
	1		0	1	
	65		2	67	
	Vehicles Exiting Intersection 217		34	0	34
		159	5	164	



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 324	Total Vehicles on Leg 640
180	0	180			
7	0	7			
137	0	137			
0	0	0			
20	9	29	Vehicles Exiting Intersection 316		



Cars	48	0	96	3585	141
Heavy	7	0	2	85	0
Total	55	0	98	3670	141
Northbound					
Vehicles Entering Intersection			3909		
Vehicles Exiting Intersection			3683		
Total Vehicles On Leg			7592		



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2455

Study Date : 05/02/2024

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 12

Number of Lanes : 1

Total Approach Volume: 3,916

Southbound: CSAH 12

Number of Lanes : 1

Total Approach Volume: 3,642

Minor Street Approaches

Eastbound: 111th Ave

Number of Lanes : 1

Total Approach Volume: 262

Westbound: Eisenhower Elementary School

Number of Lanes : 1

Total Approach Volume: 331

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 1 hours, 8 are needed

Required 1B volumes reached for 1 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.....Satisfied

Warrant 3A - Peak Hour Delay.....Satisfied

Number of one hour periods (4) volumes exceed minimum >= required (1). 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 2455

Study Date : 05/02/2024

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	
14:45 - 15:45	355	+	362	=	717	20	13	No
15:15 - 16:15	358	+	355	=	713	30	105	No
15:00 - 16:00	338	+	373	=	711	27	14	No
16:30 - 17:30	375	+	316	=	691	18	28	No
16:45 - 17:45	377	+	305	=	682	19	16	No
15:30 - 16:30	350	+	331	=	681	28	118	No
14:30 - 15:30	330	+	348	=	678	14	11	No
16:00 - 17:00	363	+	313	=	676	21	129	No
16:15 - 17:15	371	+	302	=	673	17	40	No
15:45 - 16:45	337	+	325	=	662	26	130	No
14:15 - 15:15	319	+	308	=	627	11	9	No
17:00 - 18:00	334	+	285	=	619	18	16	No
17:15 - 18:15	305	+	283	=	588	21	12	No
07:30 - 08:30	310	+	261	=	571	17	3	No
17:30 - 18:30	307	+	261	=	568	20	11	No
17:45 - 18:45	292	+	260	=	552	18	9	No
14:00 - 15:00	290	+	260	=	550	13	7	No
18:00 - 19:00	290	+	239	=	529	15	6	No
07:45 - 08:45	285	+	238	=	523	17	2	No
07:15 - 08:15	284	+	232	=	516	21	4	No
08:15 - 09:15	239	+	267	=	506	26	55	No
08:00 - 09:00	251	+	254	=	505	11	3	No
08:45 - 09:45	242	+	250	=	492	30	113	No
18:15 - 19:15	268	+	221	=	489	11	4	No
08:30 - 09:30	239		250		489	30	103	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2455

Study Date : 05/02/2024

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 1 hours meet 1A minimums.
Only 1 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**

Time	Major Road				Total	Minor Road		Met1A?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	337	+	325	=	662	26	130	Yes
14:45 - 15:45	355	+	362	=	717	20	13	No
15:15 - 16:15	358	+	355	=	713	30	105	No
15:00 - 16:00	338	+	373	=	711	27	14	No
16:45 - 17:45	377	+	305	=	682	19	16	No
15:30 - 16:30	350	+	331	=	681	28	118	No
14:30 - 15:30	330	+	348	=	678	14	11	No
14:15 - 15:15	319	+	308	=	627	11	9	No
17:00 - 18:00	334	+	285	=	619	18	16	No
17:15 - 18:15	305	+	283	=	588	21	12	No
07:30 - 08:30	310	+	261	=	571	17	3	No
17:30 - 18:30	307		261		568	20	11	No

Time	Major Road				Total	Minor Road		Met1B?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:15 - 16:15	358	+	355	=	713	30	105	Yes
14:45 - 15:45	355	+	362	=	717	20	13	No
15:00 - 16:00	338	+	373	=	711	27	14	No
16:30 - 17:30	375	+	316	=	691	18	28	No
16:45 - 17:45	377	+	305	=	682	19	16	No
14:30 - 15:30	330	+	348	=	678	14	11	No
16:15 - 17:15	371	+	302	=	673	17	40	No
14:15 - 15:15	319	+	308	=	627	11	9	No
17:00 - 18:00	334	+	285	=	619	18	16	No
17:15 - 18:15	305	+	283	=	588	21	12	No
07:30 - 08:30	310	+	261	=	571	17	3	No
17:30 - 18:30	307		261		568	20	11	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2455

Study Date : 05/02/2024

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.

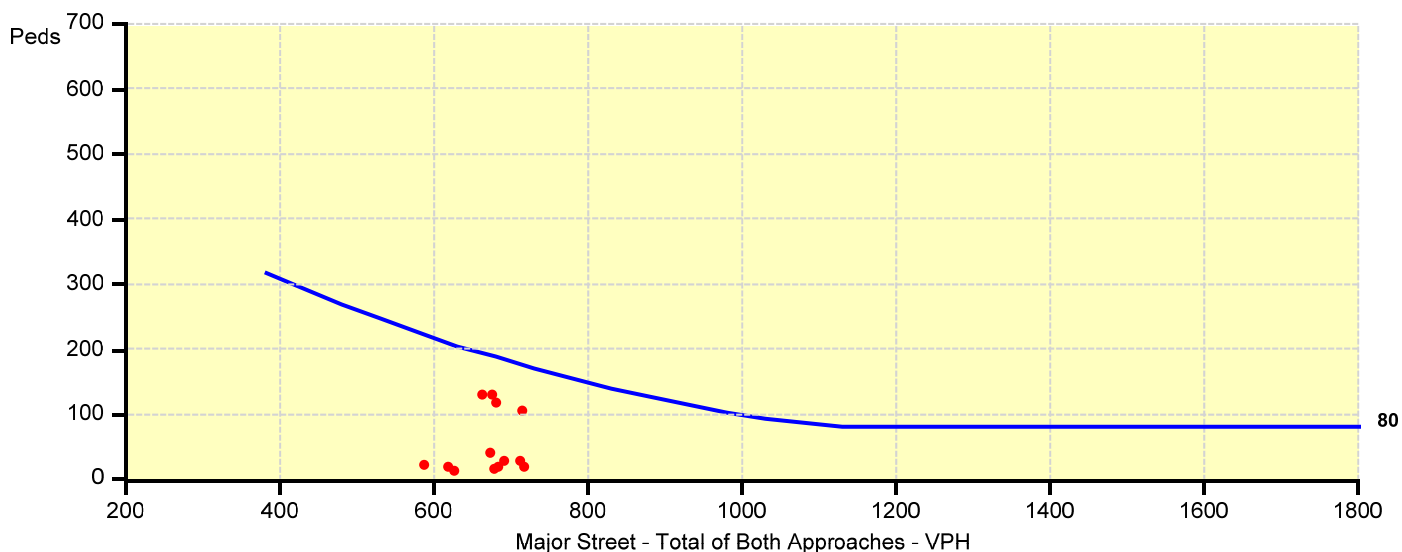
Summary

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 CSAH 12				Total	Minor Road 111th Ave		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
14:45 - 15:45	355	+	362	=	717	20	13	No
15:15 - 16:15	358	+	355	=	713	30	105	No
15:00 - 16:00	338	+	373	=	711	27	14	No
16:30 - 17:30	375	+	316	=	691	18	28	No
16:45 - 17:45	377	+	305	=	682	19	16	No
15:30 - 16:30	350	+	331	=	681	28	118	No
14:30 - 15:30	330	+	348	=	678	14	11	No
16:00 - 17:00	363	+	313	=	676	21	129	No
16:15 - 17:15	371	+	302	=	673	17	40	No
15:45 - 16:45	337	+	325	=	662	26	130	No
14:15 - 15:15	319	+	308	=	627	11	9	No
17:00 - 18:00	334		285		619	18	16	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2455

Study Date : 05/02/2024

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 CSAH 12					Minor Road 111th Ave		Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
14:45 - 15:45	355	+	362	=	717	20	13	No
15:15 - 16:15	358	+	355	=	713	30	105	No
15:00 - 16:00	338	+	373	=	711	27	14	No
16:30 - 17:30	375	+	316	=	691	18	28	No
16:45 - 17:45	377	+	305	=	682	19	16	No
15:30 - 16:30	350	+	331	=	681	28	118	No
14:30 - 15:30	330	+	348	=	678	14	11	No
16:00 - 17:00	363	+	313	=	676	21	129	No
16:15 - 17:15	371	+	302	=	673	17	40	No
15:45 - 16:45	337	+	325	=	662	26	130	No
14:15 - 15:15	319	+	308	=	627	11	9	No
17:00 - 18:00	334		285		619	18	16	No

