

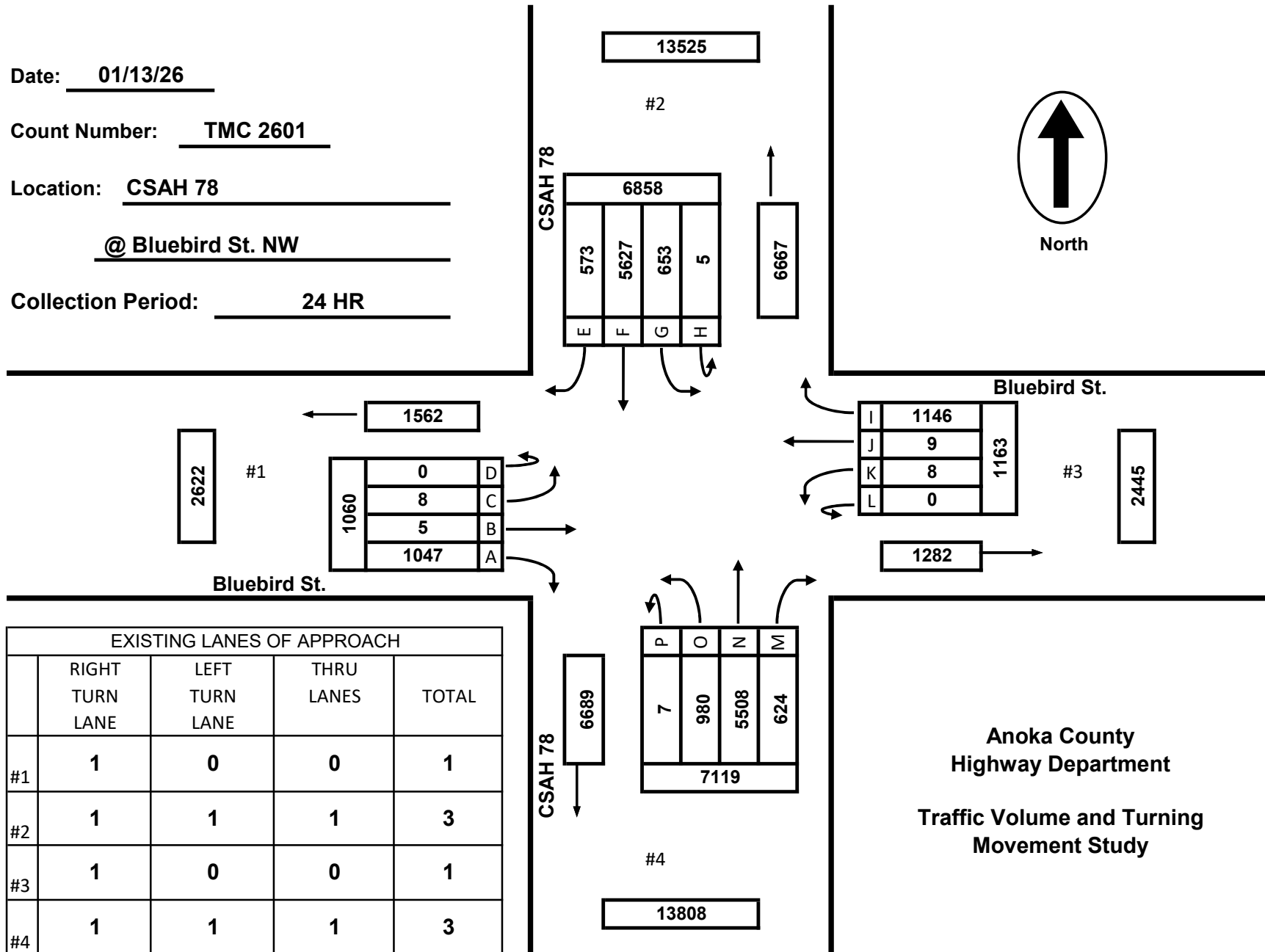
Date: 01/13/26

Count Number: TMC 2601

Location: CSAH 78

@ Bluebird St. NW

Collection Period: 24 HR



Date: 01/13/26

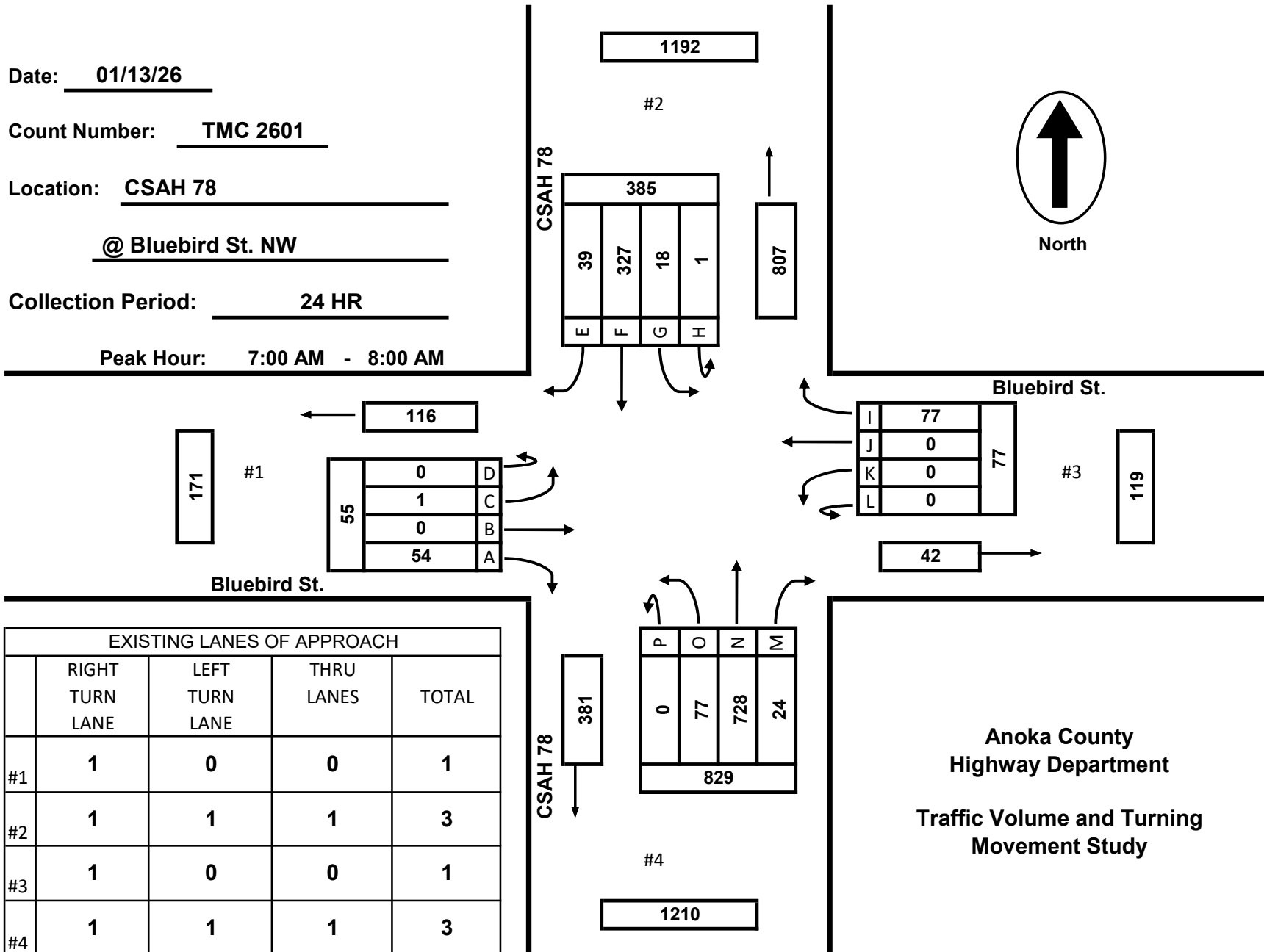
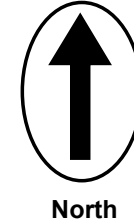
Count Number: TMC 2601

Location: CSAH 78

@ Bluebird St. NW

Collection Period: 24 HR

Peak Hour: 7:00 AM - 8:00 AM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 01/13/26

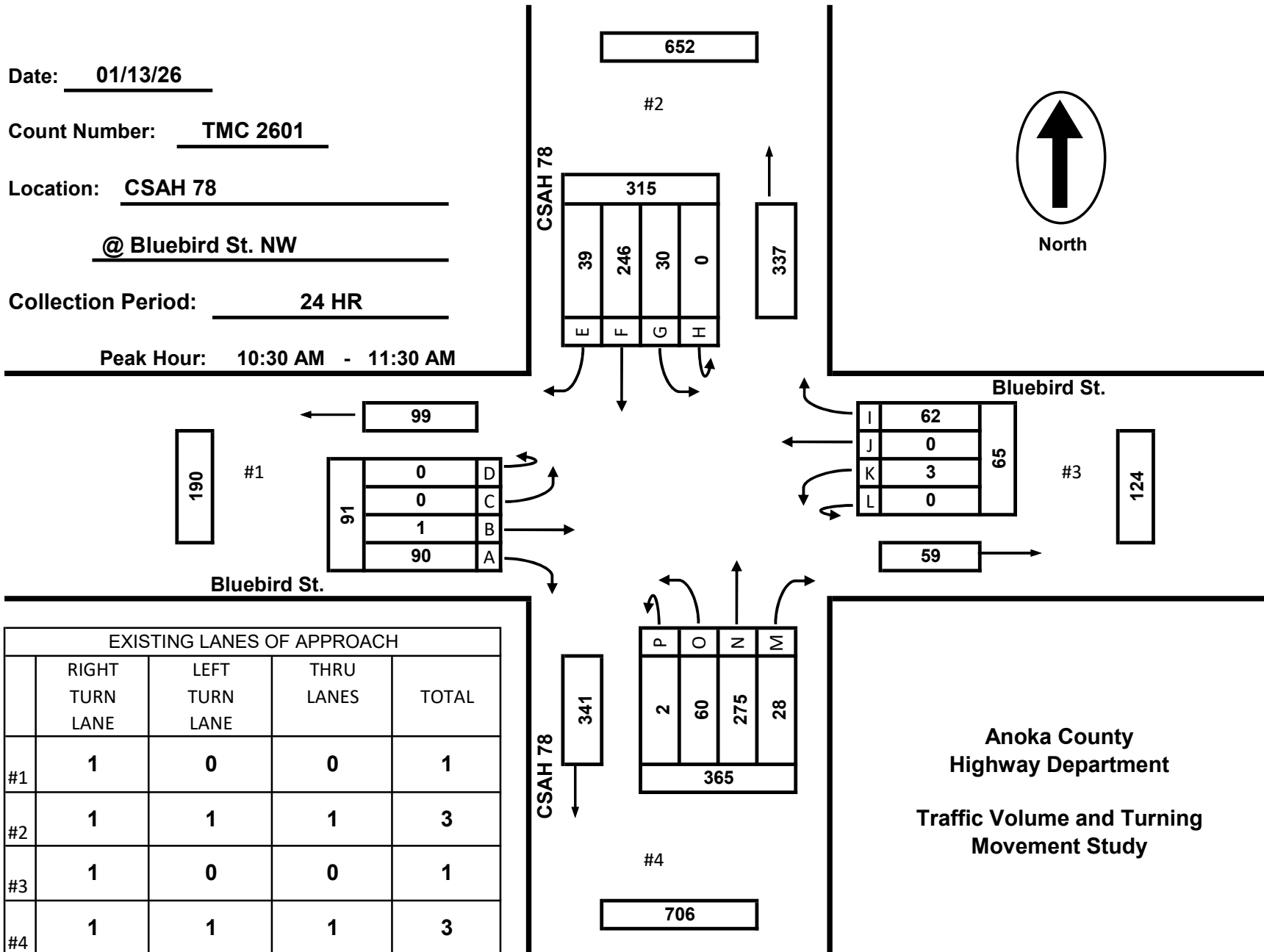
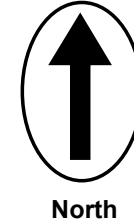
Count Number: TMC 2601

Location: CSAH 78

@ Bluebird St. NW

Collection Period: 24 HR

Peak Hour: 10:30 AM - 11:30 AM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 01/13/26

Count Number: TMC 2601

Location: CSAH 78

@ Bluebird St. NW

Collection Period: 24 HR

Peak Hour: 4:00 PM - 5:00 PM

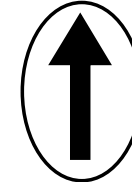
1277

#2

CSAH 78

778			
64	633	81	0
E	F	G	H

499



North

Bluebird St.

I	126
J	0
K	0
L	0

#3

262

136

Bluebird St.

191

#1

0	D
0	C
0	B
46	A

CSAH 78

P	O	N	M
1	81	373	55
510			

#4

1190

680

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

Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

**TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026**

Time	Southbound CSAH 78						Westbound Bluebird St.						Northbound CSAH 78						Eastbound Bluebird St.						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	8	2	0	10	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	11
12:15 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	8
12:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	9
12:45 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
Hourly Total	0	0	22	2	0	24	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	32
1:00 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
1:15 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
1:30 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	2
1:45 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	2
Hourly Total	0	0	7	0	0	7	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	11
2:00 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	2
2:15 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	6
2:30 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
2:45 AM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	3
Hourly Total	0	0	8	0	0	8	0	0	0	1	0	1	0	0	5	0	0	5	0	0	0	0	0	0	14
3:00 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	5
3:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	10
3:30 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	5
3:45 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	7
Hourly Total	0	0	8	0	0	8	0	0	0	0	0	0	0	0	18	1	0	19	0	0	0	0	0	0	27
4:00 AM	0	2	4	0	0	6	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	15
4:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	0	0	0	19
4:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	23	3	0	26	0	0	0	0	0	0	27
4:45 AM	0	11	7	1	0	19	0	0	1	1	0	2	0	1	31	13	0	45	0	0	0	0	0	0	66
Hourly Total	0	13	11	3	0	27	0	0	1	1	0	2	0	1	81	16	0	98	0	0	0	0	0	0	127
5:00 AM	0	10	6	1	0	17	0	0	0	0	0	0	0	2	40	8	0	50	0	0	0	1	0	1	68
5:15 AM	0	4	6	0	0	10	0	0	1	1	0	2	0	1	48	4	0	53	0	0	0	0	0	0	65
5:30 AM	0	4	11	0	0	15	0	0	0	1	0	1	0	6	52	3	0	61	0	0	0	1	0	1	78
5:45 AM	0	3	16	0	0	19	0	0	0	1	0	1	0	5	57	13	0	75	0	0	0	6	0	6	101
Hourly Total	0	21	39	1	0	61	0	0	1	3	0	4	0	14	197	28	0	239	0	0	0	8	0	8	312
6:00 AM	0	7	19	0	0	26	0	0	0	0	0	0	0	4	73	9	0	86	0	0	0	8	0	8	120
6:15 AM	0	1	43	1	0	45	0	0	0	6	0	6	0	7	88	9	0	104	0	1	2	13	0	16	171
6:30 AM	0	5	29	4	0	38	0	1	0	6	0	7	0	15	126	10	0	151	0	0	0	12	0	12	208
6:45 AM	0	7	31	8	0	46	0	0	0	5	0	5	0	22	126	14	0	162	0	0	0	5	0	5	218
Hourly Total	0	20	122	13	0	155	0	1	0	17	0	18	0	48	413	42	0	503	0	1	2	38	0	41	717
7:00 AM	0	4	35	1	0	40	0	0	0	6	0	6	0	21	261	7	0	289	0	1	0	14	0	15	350
7:15 AM	1	3	87	17	0	108	0	0	0	18	0	18	0	24	186	5	0	215	0	0	0	17	0	17	358
7:30 AM	0	5	84	12	0	101	0	0	0	34	0	34	0	15	148	6	0	169	0	0	0	13	1	13	317
7:45 AM	0	6	121	9	0	136	0	0	0	19	0	19	0	17	133	6	0	156	0	0	0	10	1	10	321
Hourly Total	1	18	327	39	0	385	0	0	0	77	0	77	0	77	728	24	0	829	0	1	0	54	2	55	1346

**TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026**

Time	Southbound CSAH 78						Westbound Bluebird St.						Northbound CSAH 78						Eastbound Bluebird St.						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	7	80	7	0	94	0	0	0	19	0	19	2	28	141	9	0	180	0	0	0	9	0	9	302
8:15 AM	0	9	49	8	0	66	0	0	0	10	0	10	0	21	141	17	0	179	0	0	0	9	0	9	264
8:30 AM	0	17	51	9	0	77	0	0	0	10	0	10	0	14	91	12	0	117	0	0	0	7	0	7	211
8:45 AM	0	11	50	7	0	68	0	0	0	12	0	12	0	15	74	10	0	99	0	0	0	5	0	5	184
Hourly Total	0	44	230	31	0	305	0	0	0	51	0	51	2	78	447	48	0	575	0	0	0	30	0	30	961
9:00 AM	0	14	55	10	0	79	0	1	0	8	0	9	0	19	90	21	0	130	0	0	1	14	0	15	233
9:15 AM	0	17	62	4	0	83	0	0	0	24	0	24	0	16	107	19	0	142	0	1	0	14	0	15	264
9:30 AM	0	12	54	3	0	69	0	0	1	15	2	16	0	25	76	8	0	109	0	0	0	11	0	11	205
9:45 AM	0	14	46	8	0	68	0	0	0	13	0	13	0	14	54	11	0	79	0	0	0	18	0	18	178
Hourly Total	0	57	217	25	0	299	0	1	1	60	2	62	0	74	327	59	0	460	0	1	1	57	0	59	880
10:00 AM	0	7	48	8	0	63	0	0	0	10	0	10	0	9	68	5	0	82	0	0	0	11	1	11	166
10:15 AM	0	12	53	14	0	79	0	0	0	10	0	10	0	9	65	5	0	79	0	0	0	13	0	13	181
10:30 AM	0	11	54	8	0	73	0	1	0	10	0	11	1	17	78	8	0	104	0	0	0	27	0	27	215
10:45 AM	0	9	59	10	0	78	0	1	0	17	2	18	1	13	76	7	0	97	0	0	1	23	0	24	217
Hourly Total	0	39	214	40	0	293	0	2	0	47	2	49	2	48	287	25	0	362	0	0	1	74	1	75	779
11:00 AM	0	4	57	9	0	70	0	0	0	14	0	14	0	15	66	8	0	89	0	0	0	26	0	26	199
11:15 AM	0	6	76	12	0	94	0	1	0	21	0	22	0	15	55	5	0	75	0	0	0	14	0	14	205
11:30 AM	0	10	69	8	0	87	0	0	1	19	1	20	0	13	54	7	0	74	0	0	0	18	1	18	199
11:45 AM	0	3	56	14	0	73	0	0	0	22	1	22	0	17	65	6	0	88	0	0	0	18	0	18	201
Hourly Total	0	23	258	43	0	324	0	1	1	76	2	78	0	60	240	26	0	326	0	0	0	76	1	76	804
12:00 PM	0	12	63	11	0	86	0	0	0	23	0	23	1	15	59	8	0	83	0	0	0	29	0	29	221
12:15 PM	1	10	65	5	0	81	0	0	0	19	0	19	0	8	71	4	0	83	0	0	0	10	0	10	193
12:30 PM	0	5	71	18	0	94	0	0	0	21	0	21	0	21	58	2	0	81	0	0	0	17	0	17	213
12:45 PM	0	7	63	10	0	80	0	0	0	15	2	15	0	22	61	8	0	91	0	0	0	13	0	13	199
Hourly Total	1	34	262	44	0	341	0	0	0	78	2	78	1	66	249	22	0	338	0	0	0	69	0	69	826
1:00 PM	1	4	68	5	0	78	0	0	0	16	1	16	0	16	64	4	0	84	0	0	0	17	1	17	195
1:15 PM	0	5	71	13	0	89	0	0	0	13	1	13	0	13	57	3	0	73	0	0	0	22	0	22	197
1:30 PM	0	5	76	11	1	92	0	1	0	15	2	16	0	16	57	2	0	75	0	0	0	9	1	9	192
1:45 PM	0	7	64	9	0	80	0	0	0	11	1	11	0	11	69	5	0	85	0	1	0	13	0	14	190
Hourly Total	1	21	279	38	1	339	0	1	0	55	5	56	0	56	247	14	0	317	0	1	0	61	2	62	774
2:00 PM	0	10	88	9	0	107	0	0	0	17	1	17	0	15	76	6	0	97	0	0	0	14	1	14	235
2:15 PM	0	12	128	12	0	152	0	0	0	26	0	26	0	12	78	0	0	90	0	0	0	25	1	25	293
2:30 PM	0	13	131	20	0	164	0	0	1	31	0	32	0	11	64	7	0	82	0	0	0	13	0	13	291
2:45 PM	0	7	122	13	0	142	0	0	0	31	0	31	0	18	84	3	0	105	0	0	0	4	0	4	282
Hourly Total	0	42	469	54	0	565	0	0	1	105	1	106	0	56	302	16	0	374	0	0	0	56	2	56	1101
3:00 PM	0	8	155	8	0	171	0	0	0	21	10	21	0	15	116	6	0	137	0	0	0	13	0	13	342
3:15 PM	0	6	144	23	0	173	0	0	0	26	38	26	0	20	136	8	0	164	0	0	0	21	0	21	384
3:30 PM	0	6	134	12	1	152	0	0	0	21	0	21	0	18	82	13	0	113	0	0	0	11	0	11	297
3:45 PM	2	13	140	16	0	171	0	1	0	23	1	24	0	18	86	10	0	114	0	0	0	8	0	8	317
Hourly Total	2	33	573	59	1	667	0	1	0	91	49	92	0	71	420	37	0	528	0	0	0	53	0	53	1340

TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026

Time	Southbound CSAH 78						Westbound Bluebird St.						Northbound CSAH 78						Eastbound Bluebird St.						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	13	163	16	0	192	0	0	0	24	0	24	0	19	113	10	0	142	0	0	0	15	0	15	373
4:15 PM	0	19	169	13	2	201	0	0	0	29	0	29	1	27	66	17	0	111	0	0	0	10	0	10	351
4:30 PM	0	22	154	21	0	197	0	0	0	42	0	42	0	20	88	11	0	119	0	0	0	10	0	10	368
4:45 PM	0	27	147	14	0	188	0	0	0	31	0	31	0	15	106	17	0	138	0	0	0	11	0	11	368
Hourly Total	0	81	633	64	2	778	0	0	0	126	0	126	1	81	373	55	0	510	0	0	0	46	0	46	1460
5:00 PM	0	11	133	15	0	159	0	0	1	27	0	28	0	21	96	12	0	129	0	1	0	12	0	13	329
5:15 PM	0	23	160	10	0	193	0	0	0	30	0	30	0	16	64	11	0	91	0	0	0	25	0	25	339
5:30 PM	0	19	131	10	0	160	0	0	0	29	0	29	0	17	57	13	0	87	0	0	0	17	0	17	293
5:45 PM	0	23	128	8	0	159	0	0	0	21	0	21	0	14	73	24	0	111	0	0	0	27	0	27	318
Hourly Total	0	76	552	43	0	671	0	0	1	107	0	108	0	68	290	60	0	418	0	1	0	81	0	82	1279
6:00 PM	0	19	147	7	0	173	0	0	0	28	0	28	0	21	63	17	0	101	0	1	1	26	0	28	330
6:15 PM	0	18	129	10	0	157	0	1	0	30	0	31	0	12	58	14	0	84	0	0	0	26	0	26	298
6:30 PM	0	20	118	4	0	142	0	0	1	26	0	27	0	17	58	15	0	90	0	0	0	15	0	15	274
6:45 PM	0	19	96	1	0	116	0	0	0	23	0	23	0	11	49	12	0	72	0	0	0	20	0	20	231
Hourly Total	0	76	490	22	0	588	0	1	1	107	0	109	0	61	228	58	0	347	0	1	1	87	0	89	1133
7:00 PM	0	16	88	5	0	109	0	0	1	8	0	9	0	16	62	16	0	94	0	0	0	35	0	35	247
7:15 PM	0	11	106	7	0	124	0	0	0	18	0	18	0	17	91	23	0	131	0	0	0	21	0	21	294
7:30 PM	0	7	108	5	0	120	0	0	0	13	0	13	1	23	60	8	0	92	0	0	0	33	0	33	258
7:45 PM	0	6	80	3	0	89	0	0	0	23	0	23	0	5	43	9	0	57	0	0	0	30	0	30	199
Hourly Total	0	40	382	20	0	442	0	0	1	62	0	63	1	61	256	56	0	374	0	0	0	119	0	119	998
8:00 PM	0	1	72	6	0	79	0	0	0	10	0	10	0	5	30	3	0	38	0	0	0	22	0	22	149
8:15 PM	0	4	73	4	0	81	0	0	0	11	0	11	0	4	53	8	0	65	0	0	0	10	0	10	167
8:30 PM	0	3	59	4	0	66	0	0	0	12	0	12	0	27	115	11	0	153	0	1	0	28	0	29	260
8:45 PM	0	1	49	6	0	56	0	0	0	15	0	15	0	5	50	6	0	61	0	0	0	33	0	33	165
Hourly Total	0	9	253	20	0	282	0	0	0	48	0	48	0	41	248	28	0	317	0	1	0	93	0	94	741
9:00 PM	0	0	54	2	0	56	0	0	1	8	0	9	0	3	23	2	0	28	0	1	0	30	0	31	124
9:15 PM	0	2	36	2	0	40	0	0	0	7	0	7	0	5	23	2	0	30	0	0	0	0	0	0	77
9:30 PM	0	2	37	2	0	41	0	0	0	4	0	4	0	6	23	0	0	29	0	0	0	12	0	12	86
9:45 PM	0	0	37	2	0	39	0	0	0	0	0	0	0	0	16	1	0	17	0	0	0	1	0	1	57
Hourly Total	0	4	164	8	0	176	0	0	1	19	0	20	0	14	85	5	0	104	0	1	0	43	0	44	344
10:00 PM	0	0	20	1	0	21	0	0	0	5	0	5	0	0	13	2	0	15	0	0	0	0	0	0	41
10:15 PM	0	1	12	2	0	15	0	0	0	3	0	3	0	1	9	1	0	11	0	0	0	0	0	0	29
10:30 PM	0	0	20	0	0	20	0	0	0	2	0	2	0	1	3	0	0	4	0	0	0	1	0	1	27
10:45 PM	0	1	16	1	0	18	0	0	0	2	0	2	0	0	5	0	0	5	0	0	0	0	0	0	25
Hourly Total	0	2	68	4	0	74	0	0	0	12	0	12	0	2	30	3	0	35	0	0	0	1	0	1	122
11:00 PM	0	0	18	0	0	18	0	0	0	1	0	1	0	0	4	1	0	5	0	0	0	1	0	1	25
11:15 PM	0	0	7	0	0	7	0	0	0	1	0	1	0	1	11	0	0	12	0	0	0	0	0	0	20
11:30 PM	0	0	7	0	0	7	0	0	0	1	0	1	0	2	7	0	0	9	0	0	0	0	0	0	17
11:45 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	10
Hourly Total	0	0	39	0	0	39	0	0	0	3	0	3	0	3	25	1	0	29	0	0	0	1	0	1	72
DAILY TOTAL	5	653	5627	573	4	6858	0	8	9	1146	63	1163	7	980	5508	624	0	7119	0	8	5	1047	8	1060	16200
Cars	5	650	5555	567	4	6777	0	8	9	1136	62	1153	7	969	5409	619	0	7004	0	8	5	1046	8	1059	15993
Heavy Vehicles	0	3	72	6	0	81	0	0	0	10	1	10	0	11	99	5	0	115	0	0	0	1	0	1	207
Heavy Vehicle %	0.00%	0.46%	1.28%	1.05%	0.00%	1.18%	0.00%	0.00%	0.00%	0.87%	1.59%	0.86%	0.00%	1.12%	1.80%	0.80%	0.00%	1.62%	0.00%	0.00%	0.00%	0.10%	0.00%	0.09%	1.28%

TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026
AM Peak Hour (00:00 to 10:00)

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	4	35	1	0	40	0	0	0	6	0	6	0	21	261	7	0	289	0	1	0	14	0	15	350
7:15 AM	1	3	87	17	0	108	0	0	0	18	0	18	0	24	186	5	0	215	0	0	0	17	0	17	358
7:30 AM	0	5	84	12	0	101	0	0	0	34	0	34	0	15	148	6	0	169	0	0	0	13	1	13	317
7:45 AM	0	6	121	9	0	136	0	0	0	19	0	19	0	17	133	6	0	156	0	0	0	10	1	10	321
Peak Hour Total	1	18	327	39	0	385	0	0	0	77	0	77	0	77	728	24	0	829	0	1	0	54	2	55	1346
Peak Hour Heavy Vehicles	0	0	5	1	0	6	0	0	0	3	0	3	0	0	6	0	0	6	0	0	0	0	0	0	15
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	1.53%	2.56%	0.00%	1.56%	0.00%	0.00%	0.00%	3.90%	0.00%	3.90%	0.00%	0.00%	0.82%	0.00%	0.00%	0.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.11%
	0.250	0.750	0.676	0.574	0.000	0.708	0.000	0.000	0.000	0.566	0.000	0.566	0.000	0.802	0.697	0.857	0.000	0.717	0.000	0.250	0.000	0.794	0.500	0.809	0.940

Mid Peak Hour (10:00 - 14:00)

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	
10:30 AM	0	11	54	8	0	73	0	1	0	10	0	11	1	17	78	8	0	104	0	0	0	27	0	27	215
10:45 AM	0	9	59	10	0	78	0	1	0	17	2	18	1	13	76	7	0	97	0	0	1	23	0	24	217
11:00 AM	0	4	57	9	0	70	0	0	0	14	0	14	0	15	66	8	0	89	0	0	0	26	0	26	199
11:15 AM	0	6	76	12	0	94	0	1	0	21	0	22	0	15	55	5	0	75	0	0	0	14	0	14	205
Peak Hour Total	0	30	246	39	0	315	0	3	0	62	2	65	2	60	275	28	0	365	0	0	1	90	0	91	836
Peak Hour Heavy Vehicles	0	0	3	2	0	5	0	0	0	2	0	2	0	0	3	0	0	3	0	0	0	0	0	0	10
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	1.22%	5.13%	0.00%	1.59%	0.00%	0.00%	0.00%	3.23%	0.00%	3.08%	0.00%	0.00%	1.09%	0.00%	0.00%	0.82%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.20%
	0.000	0.682	0.809	0.813	0.000	0.838	0.000	0.750	0.000	0.738	0.250	0.739	0.500	0.882	0.881	0.875	0.000	0.877	0.000	0.000	0.250	0.833	0.000	0.843	0.963

PM Peak Hour (14:00 - 24:00)

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	13	163	16	0	192	0	0	0	24	0	24	0	19	113	10	0	142	0	0	0	15	0	15	373
4:15 PM	0	19	169	13	2	201	0	0	0	29	0	29	1	27	66	17	0	111	0	0	0	10	0	10	351
4:30 PM	0	22	154	21	0	197	0	0	0	42	0	42	0	20	88	11	0	119	0	0	0	10	0	10	368
4:45 PM	0	27	147	14	0	188	0	0	0	31	0	31	0	15	106	17	0	138	0	0	0	11	0	11	368
Peak Hour Total	0	81	633	64	2	778	0	0	0	126	0	126	1	81	373	55	0	510	0	0	0	46	0	46	1460
Peak Hour Heavy Vehicles	0	0	4	1	0	5	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	14
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.63%	1.56%	0.00%	0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.41%	0.00%	0.00%	1.76%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.96%
	0.000	0.750	0.936	0.762	0.250	0.968	0.000	0.000	0.000	0.750	0.000	0.750	0.250	0.750	0.825	0.809	0.000	0.898	0.000	0.000	0.000	0.767	0.000	0.767	0.979

Total Vehicles On Leg			13525		
Vehicles Entering Intersection 6858			Vehicles Exiting Intersection 6667		
Southbound					
Cars	567	5555	650	5	4
Heavy	6	72	3	0	0
Total	573	5627	653	5	4



Total Vehicles on Leg 2622	Vehicles Entering Intersection 1060	Eastbound	Cars	Heavy	Total
			8	0	8
			0	0	0
	Vehicles Exiting Intersection 1562		8	0	8
			5	0	5
			1046	1	1047



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 1163	Total Vehicles on Leg 2445
1136	10	1146		Vehicles Exiting Intersection 1282	
9	0	9			
8	0	8			
0	0	0			
62	1	63			



Cars	0	7	969	5409	619
Heavy	0	0	11	99	5
Total	0	7	980	5508	624
Northbound					
Vehicles Entering Intersection 7119			Vehicles Exiting Intersection 6689		
Total Vehicles On Leg			13808		



TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026

Time	Southbound Heavy CSAH 78						Westbound Heavy Bluebird St.						Northbound Heavy CSAH 78						Eastbound Heavy Bluebird St.						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
2:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
3:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 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	1
4:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	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
5:00 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	1
5:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 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 'Heavy Vehicles'	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6:00 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
6:15 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	1
6:30 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
6:45 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	2
Hourly 'Heavy Vehicles'	0	0	10	0	0	10	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	11
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	3
7:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5
7:30 AM	0	0	1	1	0	2	0	0	0	3	0	3	0	0	1	0	0	1	0	0	0	0	0	0	6
7:45 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 'Heavy Vehicles'	0	0	5	1	0	6	0	0	0	3	0	3	0	0	6	0	0	6	0	0	0	0	0	0	15

**TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN
Tuesday, January 13, 2026**

Time	Southbound Heavy CSAH 78						Westbound Heavy Bluebird St.						Northbound Heavy CSAH 78						Eastbound Heavy Bluebird St.						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	
8:00 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	2	4	3	0	9	0	0	0	0	0	0	14
8:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	3	8	0	0	11	0	0	0	0	0	0	12
8:30 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	1
8:45 AM	0	0	4	0	0	4	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	0	10	0	0	10	0	0	0	1	0	1	0	5	14	3	0	22	0	0	0	0	0	0	33
9:00 AM	0	0	2	0	0	2	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	4
9:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	17
9:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	5
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	4	0	0	4	0	0	0	1	0	1	0	0	20	1	0	21	0	0	0	0	0	0	26
10:00 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
10:15 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	1
10:30 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	2
10:45 AM	0	0	1	2	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	0	5	2	0	7	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	12
11:00 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11:30 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
11:45 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 'Heavy Vehicles'	0	0	4	0	0	4	0	0	0	2	0	2	0	0	1	0	0	1	0	0	0	0	0	0	7
12:00 PM	0	1	3	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12:45 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
Hourly 'Heavy Vehicles'	0	1	4	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	7
1:00 PM	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
1:15 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
1:30 PM	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
1:45 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 'Heavy Vehicles'	0	0	4	1	0	5	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	0	0	0	11
2:00 PM	0	1	2	0	0	3	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	4
2:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	6
2:30 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
2:45 PM	0	0	5	0	0	5	0	0	0	1	0	1	0	1	2	0	0	3	0	0	0	0	0	0	9
Hourly 'Heavy Vehicles'	0	1	12	0	0	13	0	0	0	1	1	1	0	1	6	0	0	7	0	0	0	1	0	1	22
3:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	3	13	0	0	16	0	0	0	0	0	0	17
3:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	10
3:30 PM	0	1	3	0	0	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
3:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3	1	0	4	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	1	6	0	0	7	0	0	0	2	0	2	0	4	23	1	0	28	0	0	0	0	0	0	37

TMC 2601 - CSAH 78 @ Bluebird St. NW
Andover MN

Tuesday, January 13, 2026

Time	Southbound Heavy CSAH 78						Westbound Heavy Bluebird St.						Northbound Heavy CSAH 78						Eastbound Heavy Bluebird St.						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	
4:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
4:15 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	5
4:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	3
4:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	4	1	0	5	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	0	0	0	14
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	5
5:15 PM	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
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	6
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	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
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY 'Heavy Vehicles'	0	3	72	6	0	81	0	0	0	10	1	10	0	11	99	5	0	115	0	0	0	1	0	1	207

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2601
Date	01/13/2026
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (N/S Road)	CSAH 78	Minor Street (E/W Road)	Bluebird St.
Analyzed with	2 or more approach lanes	Analyzed with	1 Approach Lane
Total Approach Volume	13977 vehicles	Total Approach Volume	2223 vehicles
Total Ped/Bike Volume	4 crossings	Total Ped/Bike Volume	71 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0% applied for EB/WB

No high speed or isolated community reduction applied to the Volume Warrant thresholds.

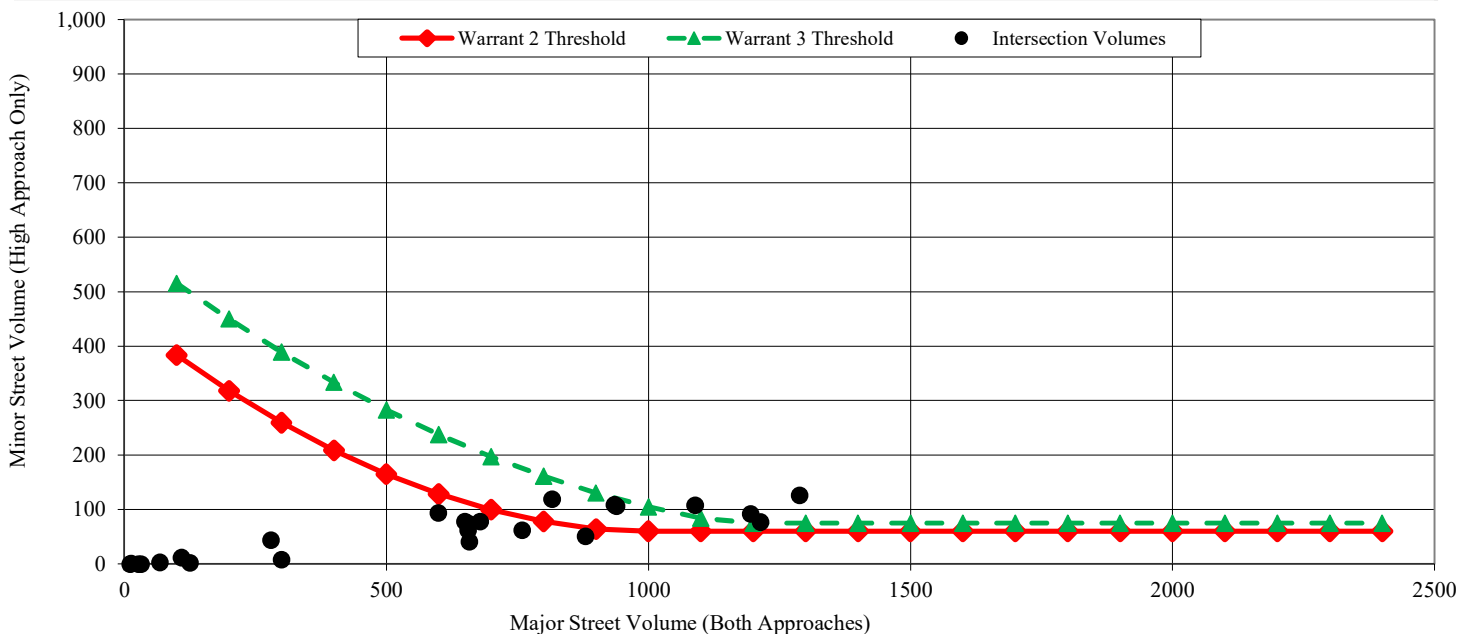
Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Satisfied	Not Satisfied
Required values reached for	5 hours	12 hours	7 (Cond. A) & 14 (Cond. B)
Criteria - Major Street (veh/hr)	420	630	336 (Cond. A) & 504 (Cond. B)
Criteria - Minor Street (veh/hr)	105	53	84 (Cond. A) & 42 (Cond. B)

* Should be applied only after an adequate trial of other alternatives that could cause less delay and inconvenience to traffic has failed to solve the traffic problems.

Warrant 2, Four Hour Vehicular Volume	
Condition Satisfied?	Satisfied
Required values reached for	7 hours
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Examined	Satisfied
Required values reached for		4 hours
Criteria - Total Approach Volume (veh in one hour)		See Figure Below
Criteria - Minor Street High Side Volume (veh in one hour)		
Criteria - Minor Street High Side Delay (veh-hrs)		

Figure 4C-2 (Warrant 2 - 70% Factor) & Figure 4C-4 (Warrant 3 - 70% Factor)



Traffic Signal Warrant Analysis

Multi-Way Stop Warrants

TMC	2601
Date	01/13/2026
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (N/S Road)	CSAH 78	Minor Street (E/W Road)	Bluebird St.
Analyzed with	2 or more approach lanes	Analyzed with	1 Approach Lane
Total Approach Volume	13977 vehicles	Total Approach Volume	2223 vehicles
Total Ped/Bike Volume	4 crossings	Total Ped/Bike Volume	71 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0% applied for EB/WB

Reduction applied to Multi-Way Stop Warrant thresholds due to high speeds on CSAH 78.

Condition A - Traffic Signal Warrant	
Condition Satisfied?	Not Examined
Criteria*	

* Multi-way stop control may be used as an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.

Condition B - Crash Experience	
Condition Satisfied?	Not Examined
Required values reached for	
Criteria - Crash Experience	

Condition C - Intersection Volume & Delay	
Condition Satisfied?	Not Satisfied
Required values reached for	9 hours & sec. average delay/veh
Criteria - Major Street (veh/hr)	210 for any 8 hours of an average day
Criteria - Minor Street (total vol-veh, ped, & bikes/hr)	140 for the same 8 hours of an average day
Criteria - Delay (average sec/veh)	30 during the highest hour

Condition D - Combination Volume, Crash Experience, & Delay	
Condition Satisfied?	Not Examined
Required values reached for	
Criteria - Major Street (veh/hr)	
Criteria - Minor Street (total vol-veh, ped, & bikes/hr)	
Criteria - Crash Experience	
Criteria - Delay (average sec/veh)	