

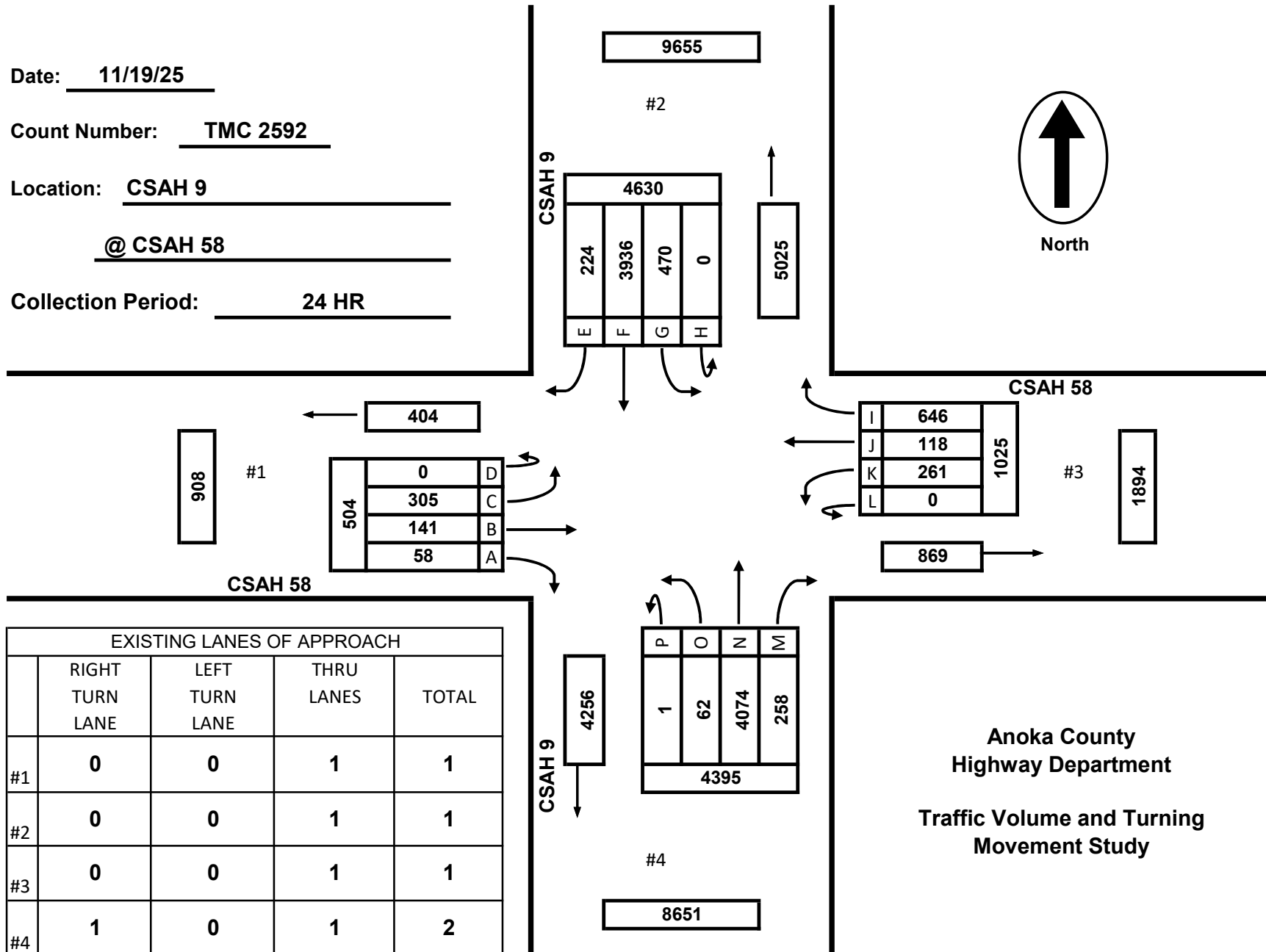
Date: 11/19/25

Count Number: TMC 2592

Location: CSAH 9

@ CSAH 58

Collection Period: 24 HR



Date: 11/19/25

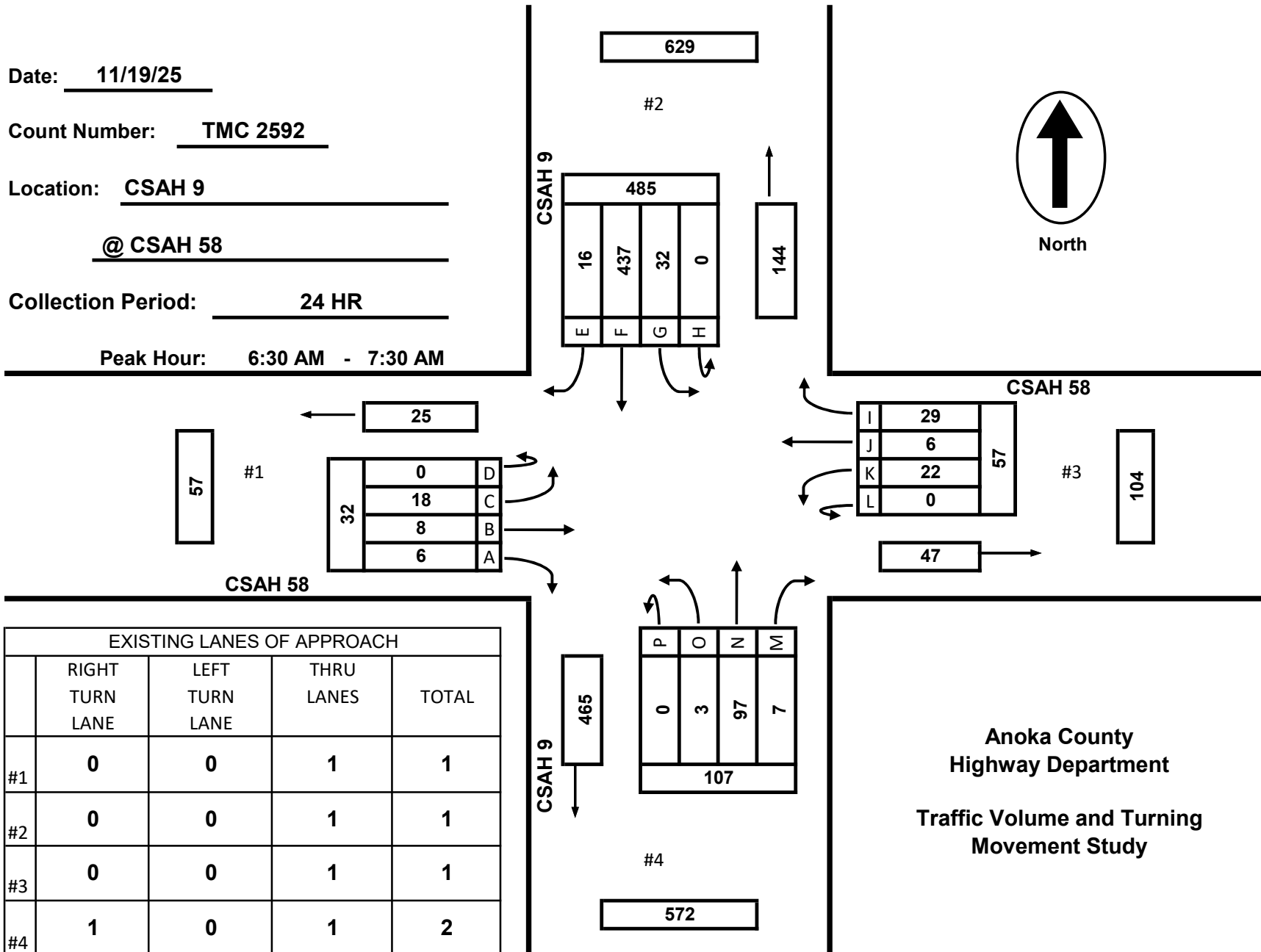
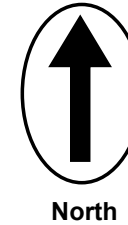
Count Number: TMC 2592

Location: CSAH 9

@ CSAH 58

Collection Period: 24 HR

Peak Hour: 6:30 AM - 7:30 AM



Date: 11/19/25

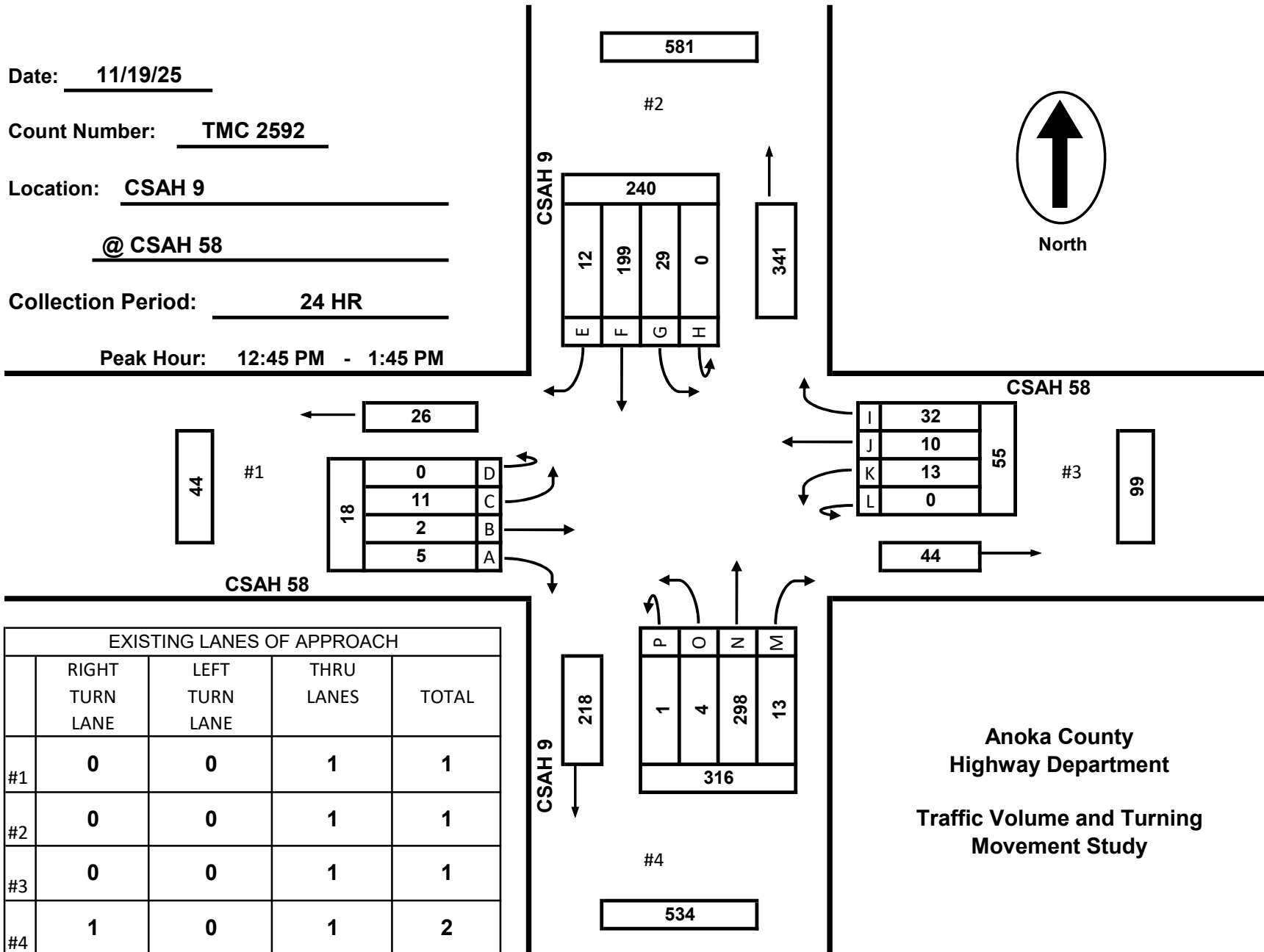
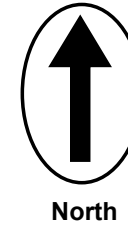
Count Number: TMC 2592

Location: CSAH 9

@ CSAH 58

Collection Period: 24 HR

Peak Hour: 12:45 PM - 1:45 PM



Date: 11/19/25

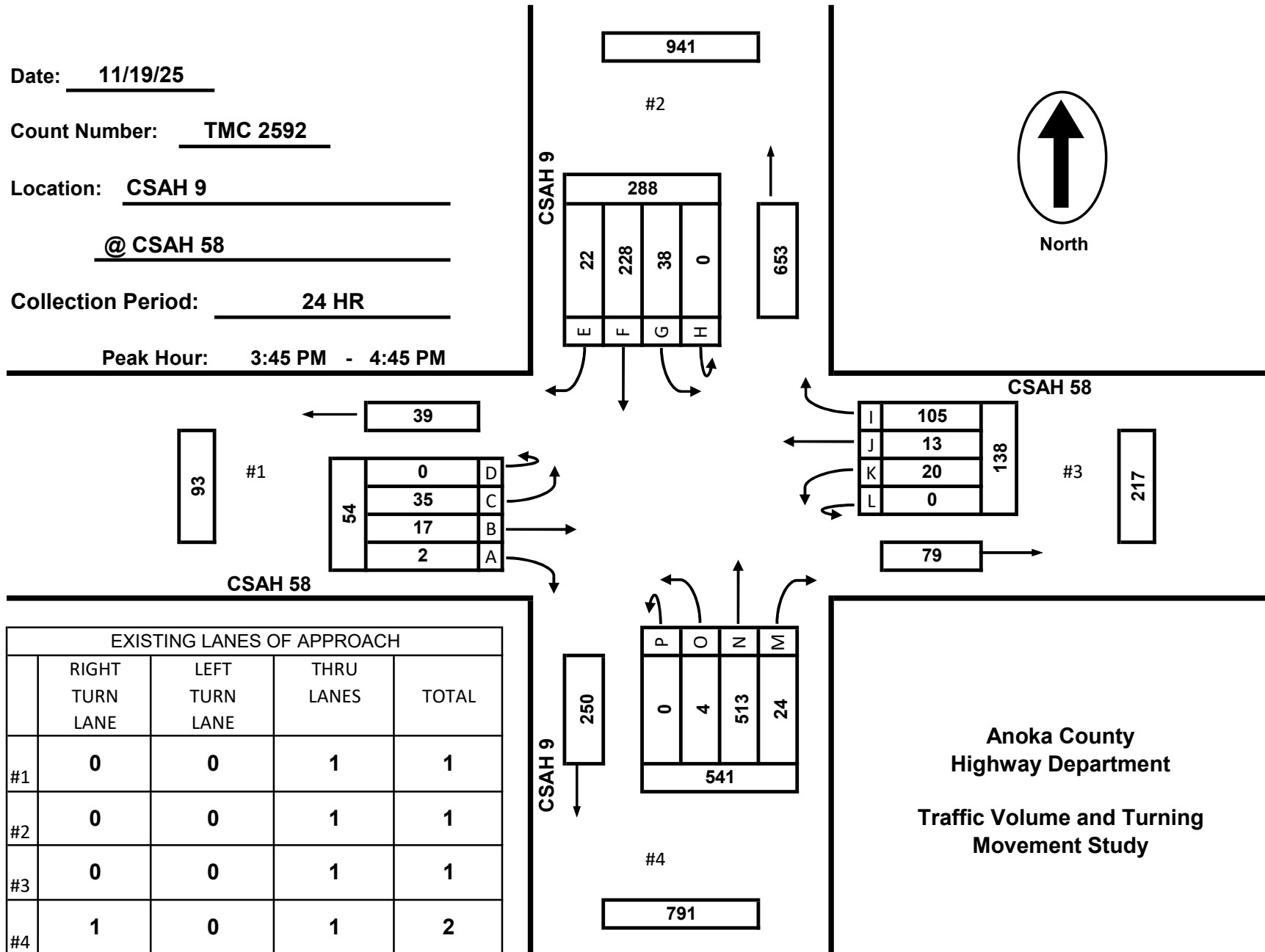
Count Number: TMC 2592

Location: CSAH 9

@ CSAH 58

Collection Period: 24 HR

Peak Hour: 3:45 PM - 4:45 PM



TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025

Time	Southbound CSAH 9						Westbound CSAH 58						Northbound CSAH 9						Eastbound CSAH 58						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	7	2	0	9	0	0	0	0	0	0	11
12:15 AM	0	0	1	0	0	1	0	0	0	2	0	2	0	0	3	0	0	3	0	0	1	0	0	1	7
12:30 AM	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
12:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	6
Hourly Total	0	0	7	0	0	7	0	0	0	2	0	2	0	0	15	3	0	18	0	0	1	0	0	1	28
1:00 AM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	4
1:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	3
1:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
1:45 AM	0	1	2	0	0	3	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	6
Hourly Total	0	1	4	0	0	5	0	1	0	2	0	3	0	0	8	0	0	8	0	0	0	0	0	0	16
2:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	1	1	0	0	2	8
2:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	6
2:30 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
2:45 AM	0	1	7	0	0	8	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	10
Hourly Total	0	2	13	0	0	15	0	0	0	0	0	0	0	0	12	0	0	12	0	1	1	0	0	2	29
3:00 AM	0	0	6	0	0	6	0	1	0	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	10
3:15 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	1	16	0	0	17	0	0	0	0	0	0	25
3:30 AM	0	0	11	0	0	11	0	0	0	1	0	1	0	0	3	0	0	3	0	0	0	0	0	0	15
3:45 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	14
Hourly Total	0	0	38	0	0	38	0	1	0	1	0	2	0	1	23	0	0	24	0	0	0	0	0	0	64
4:00 AM	0	0	19	1	0	20	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	21
4:15 AM	0	2	21	1	0	24	0	3	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	0	28
4:30 AM	0	1	27	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	29
4:45 AM	0	3	37	1	0	41	0	3	0	0	0	3	0	0	4	0	0	4	0	1	1	1	0	3	51
Hourly Total	0	6	104	3	0	113	0	6	0	0	0	6	0	0	6	0	0	6	0	1	1	2	0	4	129
5:00 AM	0	3	56	0	0	59	0	3	0	1	0	4	0	0	3	0	0	3	0	0	1	0	0	1	67
5:15 AM	0	2	79	2	0	83	0	2	0	1	0	3	0	0	6	1	0	7	0	0	0	1	0	1	94
5:30 AM	0	5	77	2	0	84	0	4	2	2	0	8	0	0	5	0	0	5	0	1	0	0	0	1	98
5:45 AM	0	1	74	0	0	75	0	7	0	0	0	7	0	0	17	2	0	19	0	0	2	1	0	3	104
Hourly Total	0	11	286	4	0	301	0	16	2	4	0	22	0	0	31	3	0	34	0	1	3	2	0	6	363
6:00 AM	0	3	84	3	0	90	0	3	1	4	0	8	0	0	9	0	0	9	0	2	0	2	0	4	111
6:15 AM	0	6	116	1	0	123	0	7	0	7	0	14	0	0	10	2	0	12	0	2	1	0	0	3	152
6:30 AM	0	9	110	7	0	126	0	4	2	8	0	14	0	2	23	4	0	29	0	7	2	3	0	12	181
6:45 AM	0	9	97	4	0	110	0	2	1	8	0	11	0	1	35	2	0	38	0	5	2	2	0	9	168
Hourly Total	0	27	407	15	0	449	0	16	4	27	0	47	0	3	77	8	0	88	0	16	5	7	0	28	612
7:00 AM	0	3	116	4	0	123	0	9	2	4	0	15	0	0	11	1	0	12	0	1	1	0	0	2	152
7:15 AM	0	11	114	1	0	126	0	7	1	9	0	17	0	0	28	0	0	28	0	5	3	1	0	9	180
7:30 AM	0	13	69	2	0	84	0	6	2	4	0	12	0	0	32	4	0	36	0	4	3	0	0	7	139
7:45 AM	0	14	81	3	0	98	0	11	1	12	0	24	0	0	28	5	0	33	0	4	4	2	0	10	165
Hourly Total	0	41	380	10	0	431	0	33	6	29	0	68	0	0	99	10	0	109	0	14	11	3	0	28	636

TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025

Time	Southbound CSAH 9						Westbound CSAH 58						Northbound CSAH 9						Eastbound CSAH 58						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	81	3	0	91	0	7	2	6	0	15	0	1	21	1	0	23	0	8	5	2	0	15	144
8:15 AM	0	11	70	3	0	84	0	4	2	6	0	12	0	1	34	6	0	41	0	3	2	0	0	5	142
8:30 AM	0	6	76	3	0	85	0	5	1	7	0	13	0	0	25	2	0	27	0	3	1	0	0	4	129
8:45 AM	0	8	71	4	0	83	0	4	3	6	0	13	0	1	23	2	0	26	0	9	3	5	0	17	139
Hourly Total	0	32	298	13	0	343	0	20	8	25	0	53	0	3	103	11	0	117	0	23	11	7	0	41	554
9:00 AM	0	11	66	3	0	80	0	9	1	10	0	20	0	0	29	6	0	35	0	3	3	2	0	8	143
9:15 AM	0	14	79	1	0	94	0	2	3	17	0	22	0	1	28	2	0	31	0	5	3	1	0	9	156
9:30 AM	0	5	77	3	0	85	0	7	0	10	0	17	0	1	30	2	0	33	0	4	1	0	0	5	140
9:45 AM	0	14	64	3	0	81	0	1	1	6	0	8	0	2	40	4	0	46	0	6	2	0	0	8	143
Hourly Total	0	44	286	10	0	340	0	19	5	43	0	67	0	4	127	14	0	145	0	18	9	3	0	30	582
10:00 AM	0	5	66	5	0	76	0	1	0	5	0	6	0	1	33	1	0	35	0	8	1	2	0	11	128
10:15 AM	0	4	64	3	0	71	0	7	1	4	0	12	0	2	38	6	0	46	0	3	0	0	0	3	132
10:30 AM	0	4	65	4	0	73	0	8	2	3	0	13	0	1	38	1	0	40	0	3	3	3	0	9	135
10:45 AM	0	5	46	3	0	54	0	3	0	4	0	7	0	1	41	6	0	48	0	4	2	1	0	7	116
Hourly Total	0	18	241	15	0	274	0	19	3	16	0	38	0	5	150	14	0	169	0	18	6	6	0	30	511
11:00 AM	0	6	60	3	0	69	0	4	2	8	0	14	0	0	43	1	0	44	0	3	3	0	0	6	133
11:15 AM	0	10	50	2	0	62	0	3	1	9	0	13	0	0	48	4	0	52	0	4	3	2	0	9	136
11:30 AM	0	4	58	0	0	62	0	3	3	12	0	18	0	0	44	3	0	47	0	2	1	2	0	5	132
11:45 AM	0	4	48	3	0	55	0	3	2	8	0	13	0	0	43	4	0	47	0	7	0	2	0	9	124
Hourly Total	0	24	216	8	0	248	0	13	8	37	0	58	0	0	178	12	0	190	0	16	7	6	0	29	525
12:00 PM	0	4	51	5	0	60	0	3	0	10	0	13	0	2	75	6	0	83	0	1	0	1	0	2	158
12:15 PM	0	6	50	3	0	59	0	3	1	8	0	12	0	0	61	3	0	64	0	2	2	0	0	4	139
12:30 PM	0	4	55	0	0	59	0	6	4	9	0	19	0	0	57	5	0	62	0	4	3	0	0	7	147
12:45 PM	0	6	59	3	0	68	0	5	1	8	0	14	0	0	87	6	0	93	0	2	1	1	0	4	179
Hourly Total	0	20	215	11	0	246	0	17	6	35	0	58	0	2	280	20	0	302	0	9	6	2	0	17	623
1:00 PM	0	10	33	4	0	47	0	4	1	10	0	15	0	3	70	2	0	75	0	5	0	1	0	6	143
1:15 PM	0	8	55	4	0	67	0	3	3	10	0	16	0	1	65	1	0	67	0	2	0	2	0	4	154
1:30 PM	0	5	52	1	0	58	0	1	5	4	0	10	1	0	76	4	0	81	0	2	1	1	0	4	153
1:45 PM	0	6	53	3	0	62	0	3	2	9	0	14	0	2	76	8	0	86	0	8	3	1	0	12	174
Hourly Total	0	29	193	12	0	234	0	11	11	33	0	55	1	6	287	15	0	309	0	17	4	5	0	26	624
2:00 PM	0	9	47	2	0	58	0	3	2	8	0	13	0	1	93	6	0	100	0	3	2	0	0	5	176
2:15 PM	0	6	57	4	0	67	0	5	0	11	0	16	0	1	83	7	0	91	0	1	4	1	0	6	180
2:30 PM	0	5	43	6	0	54	0	1	1	10	0	12	0	0	93	5	0	98	0	4	6	0	0	10	174
2:45 PM	0	10	45	3	0	58	0	2	3	12	0	17	0	3	90	7	0	100	0	7	3	0	0	10	185
Hourly Total	0	30	192	15	0	237	0	11	6	41	0	58	0	5	359	25	0	389	0	15	15	1	0	31	715
3:00 PM	0	5	55	1	0	61	0	3	4	11	0	18	0	2	84	1	0	87	0	6	5	1	0	12	178
3:15 PM	0	8	54	10	0	72	0	3	2	20	0	25	0	3	115	4	0	122	0	7	6	0	0	13	232
3:30 PM	0	9	54	3	0	66	0	2	4	24	0	30	0	3	103	12	0	118	0	10	6	1	0	17	231
3:45 PM	0	11	55	6	0	72	0	4	0	14	0	18	0	0	132	11	0	143	0	4	4	2	0	10	243
Hourly Total	0	33	218	20	0	271	0	12	10	69	0	91	0	8	434	28	0	470	0	27	21	4	0	52	884

TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025

Time	Southbound CSAH 9						Westbound CSAH 58						Northbound CSAH 9						Eastbound CSAH 58						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	9	62	5	0	76	0	3	7	32	0	42	0	3	137	7	0	147	0	13	6	0	0	19	284
4:15 PM	0	12	54	8	0	74	0	6	1	35	0	42	0	1	113	3	0	117	0	9	2	0	0	11	244
4:30 PM	0	6	57	3	0	66	0	7	5	24	0	36	0	0	131	3	0	134	0	9	5	0	0	14	250
4:45 PM	0	7	63	6	0	76	0	2	3	24	0	29	0	1	113	6	0	120	0	10	1	0	0	11	236
Hourly Total	0	34	236	22	0	292	0	18	16	115	0	149	0	5	494	19	0	518	0	41	14	0	0	55	1014
5:00 PM	0	6	47	4	0	57	0	8	1	25	0	34	0	0	100	4	0	104	0	12	3	1	0	16	211
5:15 PM	0	10	61	6	0	77	0	7	2	17	0	26	0	0	110	6	0	116	0	10	4	1	0	15	234
5:30 PM	0	11	50	8	0	69	0	1	1	19	0	21	0	3	101	8	0	112	0	12	1	1	0	14	216
5:45 PM	0	7	49	8	0	64	0	4	4	19	0	27	0	3	106	8	0	117	0	6	3	0	0	9	217
Hourly Total	0	34	207	26	0	267	0	20	8	80	0	108	0	6	417	26	0	449	0	40	11	3	0	54	878
6:00 PM	0	4	40	2	0	46	0	4	4	9	0	17	0	0	89	7	0	96	0	6	1	2	0	9	168
6:15 PM	0	7	45	5	0	57	0	3	1	7	0	11	0	1	71	3	0	75	0	3	0	0	0	3	146
6:30 PM	0	8	42	6	0	56	0	1	2	7	0	10	0	4	89	3	0	96	0	2	1	0	0	3	165
6:45 PM	0	5	22	3	0	30	0	1	3	6	0	10	0	1	76	4	0	81	0	3	1	0	0	4	125
Hourly Total	0	24	149	16	0	189	0	9	10	29	0	48	0	6	325	17	0	348	0	14	3	2	0	19	604
7:00 PM	0	10	25	3	0	38	0	1	2	10	0	13	0	0	52	4	0	56	0	0	0	0	0	0	107
7:15 PM	0	15	19	1	0	35	0	2	1	7	0	10	0	1	61	4	0	66	0	2	0	0	0	2	113
7:30 PM	0	7	25	4	0	36	0	3	1	7	0	11	0	2	41	4	0	47	0	2	3	1	0	6	100
7:45 PM	0	2	18	2	0	22	0	0	2	2	0	4	0	2	59	4	0	65	0	1	1	1	0	3	94
Hourly Total	0	34	87	10	0	131	0	6	6	26	0	38	0	5	213	16	0	234	0	5	4	2	0	11	414
8:00 PM	0	2	19	3	0	24	0	1	0	2	0	3	0	2	59	0	0	61	0	7	1	1	0	9	97
8:15 PM	0	3	23	1	0	27	0	1	2	6	0	9	0	0	55	2	0	57	0	7	3	1	0	11	104
8:30 PM	0	4	16	2	0	22	0	3	0	5	0	8	0	1	33	5	0	39	0	1	2	1	0	4	73
8:45 PM	0	3	17	3	0	23	0	0	2	2	0	4	0	0	44	0	0	44	0	5	0	0	0	5	76
Hourly Total	0	12	75	9	0	96	0	5	4	15	0	24	0	3	191	7	0	201	0	20	6	3	0	29	350
9:00 PM	0	5	14	2	0	21	0	0	0	4	0	4	0	0	32	2	0	34	0	1	0	0	0	1	60
9:15 PM	0	2	12	0	0	14	0	1	2	1	0	4	0	0	29	1	0	30	0	4	1	0	0	5	53
9:30 PM	0	2	8	0	0	10	0	1	0	4	0	5	0	0	32	4	0	36	0	0	1	0	0	1	52
9:45 PM	0	1	9	1	0	11	0	0	1	0	0	1	0	0	27	1	0	28	0	3	0	0	0	3	43
Hourly Total	0	10	43	3	0	56	0	2	3	9	0	14	0	0	120	8	0	128	0	8	2	0	0	10	208
10:00 PM	0	1	4	0	0	5	0	2	0	1	0	3	0	0	22	0	0	22	0	1	0	0	0	1	31
10:15 PM	0	1	10	0	0	11	0	0	0	3	0	3	0	0	33	1	0	34	0	0	0	0	0	0	48
10:30 PM	0	0	6	1	0	7	0	0	1	0	0	1	0	0	14	0	0	14	0	0	0	0	0	0	22
10:45 PM	0	0	4	0	0	4	0	0	0	1	0	1	0	0	11	0	0	11	0	0	0	0	0	0	16
Hourly Total	0	2	24	1	0	27	0	2	1	5	0	8	0	0	80	1	0	81	0	1	0	0	0	1	117
11:00 PM	0	0	7	0	0	7	0	2	1	1	0	4	0	0	11	0	0	11	0	0	0	0	0	0	22
11:15 PM	0	0	3	0	0	3	0	1	0	0	0	1	0	0	12	1	0	13	0	0	0	0	0	0	17
11:30 PM	0	1	5	0	0	6	0	0	0	1	0	1	0	0	15	0	0	15	0	0	0	0	0	0	22
11:45 PM	0	1	2	1	0	4	0	1	0	1	0	2	0	0	7	0	0	7	0	0	0	0	0	0	13
Hourly Total	0	2	17	1	0	20	0	4	1	3	0	8	0	0	45	1	0	46	0	0	0	0	0	0	74
DAILY TOTAL	0	470	3936	224	0	4630	0	261	118	646	0	1025	1	62	4074	258	0	4395	0	305	141	58	0	504	10554
Cars	0	461	3833	217	0	4511	0	249	114	633	0	996	1	61	3989	254	0	4305	0	297	135	54	0	486	10298
Heavy Vehicles	0	9	103	7	0	119	0	12	4	13	0	29	0	1	85	4	0	90	0	8	6	4	0	18	256
Heavy Vehicle %	0.00%	1.91%	2.62%	3.13%	0.00%	2.57%	0.00%	4.60%	3.39%	2.01%	0.00%	2.83%	0.00%	1.61%	2.09%	1.55%	0.00%	2.05%	0.00%	2.62%	4.26%	6.90%	0.00%	3.57%	2.43%

TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025
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	
6:30 AM	0	9	110	7	0	126	0	4	2	8	0	14	0	2	23	4	0	29	0	7	2	3	0	12	181
6:45 AM	0	9	97	4	0	110	0	2	1	8	0	11	0	1	35	2	0	38	0	5	2	2	0	9	168
7:00 AM	0	3	116	4	0	123	0	9	2	4	0	15	0	0	11	1	0	12	0	1	1	0	0	2	152
7:15 AM	0	11	114	1	0	126	0	7	1	9	0	17	0	0	28	0	0	28	0	5	3	1	0	9	180
Peak Hour Total	0	32	437	16	0	485	0	22	6	29	0	57	0	3	97	7	0	107	0	18	8	6	0	32	681
Peak Hour Heavy Vehicles	0	1	10	3	0	14	0	0	0	2	0	2	0	1	8	0	0	9	0	1	1	0	0	2	27
Peak Hour Heavy Vehicles % PHF	0.00%	3.13%	2.29%	18.75%	0.00%	2.89%	0.00%	0.00%	0.00%	6.90%	0.00%	3.51%	0.00%	33.33%	8.25%	0.00%	0.00%	8.41%	0.00%	5.56%	12.50%	0.00%	0.00%	6.25%	3.96%
	0.000	0.727	0.942	0.571	0.000	0.962	0.000	0.611	0.050	0.806	0.000	0.838	0.000	0.375	0.693	0.438	0.000	0.704	0.000	0.643	0.667	0.500	0.000	0.667	0.941

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	
12:45 PM	0	6	59	3	0	68	0	5	1	8	0	14	0	0	87	6	0	93	0	2	1	1	0	4	179
1:00 PM	0	10	33	4	0	47	0	4	1	10	0	15	0	3	70	2	0	75	0	5	0	1	0	6	143
1:15 PM	0	8	55	4	0	67	0	3	3	10	0	16	0	1	65	1	0	67	0	2	0	2	0	4	154
1:30 PM	0	5	52	1	0	58	0	1	5	4	0	10	1	0	76	4	0	81	0	2	1	1	0	4	153
Peak Hour Total	0	29	199	12	0	240	0	13	10	32	0	55	1	4	298	13	0	316	0	11	2	5	0	18	629
Peak Hour Heavy Vehicles	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	8
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	2.51%	0.00%	0.00%	2.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.67%	0.00%	0.00%	0.63%	0.00%	0.00%	0.00%	20.00%	0.00%	5.56%	1.27%
	0.000	0.725	0.843	0.750	0.000	0.882	0.000	0.650	0.500	0.800	0.000	0.859	0.250	0.333	0.856	0.542	0.000	0.849	0.000	0.550	0.500	0.625	0.000	0.750	0.878

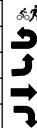
PM Peak Hour (14:00 - 24:00)

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	
3:45 PM	0	11	55	6	0	72	0	4	0	14	0	18	0	0	132	11	0	143	0	4	4	2	0	10	243
4:00 PM	0	9	62	5	0	76	0	3	7	32	0	42	0	3	137	7	0	147	0	13	6	0	0	19	284
4:15 PM	0	12	54	8	0	74	0	6	1	35	0	42	0	1	113	3	0	117	0	9	2	0	0	11	244
4:30 PM	0	6	57	3	0	66	0	7	5	24	0	36	0	0	131	3	0	134	0	9	5	0	0	14	250
Peak Hour Total	0	38	228	22	0	288	0	20	13	105	0	138	0	4	513	24	0	541	0	35	17	2	0	54	1021
Peak Hour Heavy Vehicles	0	1	4	0	0	5	0	1	0	1	0	2	0	0	7	0	0	7	0	1	0	0	0	1	15
Peak Hour Heavy Vehicles % PHF	0.00%	2.63%	1.75%	0.00%	0.00%	1.74%	0.00%	5.00%	0.00%	0.95%	0.00%	1.45%	0.00%	0.00%	1.36%	0.00%	0.00%	1.29%	0.00%	2.86%	0.00%	0.00%	0.00%	1.85%	1.47%
	0.000	0.792	0.919	0.688	0.000	0.947	0.000	0.714	0.464	0.750	0.000	0.821	0.000	0.333	0.936	0.545	0.000	0.920	0.000	0.673	0.708	0.250	0.000	0.711	0.899

Total Vehicles On Leg			9655		
Vehicles Entering Intersection 4630			Vehicles Exiting Intersection 5025		
Southbound					
Cars	217	3833	461	0	0
Heavy	7	103	9	0	0
Total	224	3936	470	0	0



Total Vehicles on Leg 908	Vehicles Entering Intersection 504	Eastbound	Cars	Heavy	Total
	Vehicles Exiting Intersection 404		0	0	0
			0	0	0
			297	8	305
			135	6	141
			54	4	58



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 1025	Total Vehicles on Leg 1894
633	13	646			
114	4	118			
249	12	261			
0	0	0			
0	0	0			



Cars	0	1	61	3989	254
Heavy	0	0	1	85	4
Total	0	1	62	4074	258
Northbound					
Vehicles Entering Intersection 4395			Vehicles Exiting Intersection 4256		
Total Vehicles On Leg			8651		



TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025

Time	Southbound Heavy CSAH 9						Westbound Heavy CSAH 58						Northbound Heavy CSAH 9						Eastbound Heavy CSAH 58						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	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
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	1	0	0	1	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	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:00 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
4:15 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
4:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
4:45 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	3	0	0	3	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	1	0	1	7
5:00 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
5:15 AM	0	0	5	0	0	5	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6
5:30 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
5:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	0	15	0	0	15	0	0	0	1	0	1	0	0	2	1	0	3	0	0	0	0	0	0	19
6:00 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	8
6:15 AM	0	0	6	0	0	6	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	8
6:30 AM	0	0	3	1	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	0	1	9
6:45 AM	0	0	3	1	0	4	0	0	0	1	0	1	0	1	3	0	0	4	0	0	0	0	0	0	9
Hourly 'Heavy Vehicles'	0	0	19	2	0	21	0	1	0	1	0	2	0	1	9	0	0	10	0	1	0	0	0	1	34
7:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	3
7:15 AM	0	1	4	0	0	5	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6
7:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	0	1	7
7:45 AM	0	1	2	1	0	4	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	7
Hourly 'Heavy Vehicles'	0	2	10	2	0	14	0	0	0	2	0	2	0	0	5	0	0	5	0	0	2	0	0	2	23

TMC 2592 - CSAH 9 @ CSAH 58

Andover MN

Wednesday, November 19, 2025

Time	Southbound Heavy CSAH 9						Westbound Heavy CSAH 58						Northbound Heavy CSAH 9						Eastbound Heavy CSAH 58						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'		
8:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	0	1	1	2	0	4	7
8:15 AM	0	0	2	0	0	2	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4
8:30 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	5
8:45 AM	0	0	2	0	0	2	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	2	5	0	0	7	0	1	3	0	0	0	4	0	0	5	0	0	5	0	1	1	2	0	4	20
9:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3
9:15 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4
9:30 AM	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	1	1	0	2	0	0	0	0	0	0	4
9:45 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	0	1	6
Hourly 'Heavy Vehicles'	0	2	7	0	0	9	0	1	0	0	0	0	1	0	0	4	1	0	5	0	1	1	0	0	2	17
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	3
10:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	4	0	1	0	0	0	1	6
10:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
10:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	3	0	0	3	0	0	0	0	0	0	0	0	8	0	0	0	8	0	2	0	0	0	2	13
11:00 AM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	5
11:15 AM	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
11:30 AM	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	3
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	0	1
Hourly 'Heavy Vehicles'	0	1	5	0	0	6	0	0	0	2	0	0	2	0	0	3	0	0	3	0	0	0	0	0	0	11
12:00 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	0	2
12:15 PM	0	0	1	1	0	2	0	0	0	1	0	0	1	0	0	4	1	0	5	0	0	0	0	0	0	8
12:30 PM	0	0	2	0	0	2	0	1	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	4
12:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	6	1	0	7	0	1	0	1	0	0	2	0	0	7	1	0	8	0	0	0	0	0	0	17
1:00 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	0	1
1:15 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	0	1
1:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3
1:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	1	0	1	9
2:00 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	0	4
2:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	4
2:30 PM	0	0	5	1	0	6	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	7
2:45 PM	0	0	2	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	4
Hourly 'Heavy Vehicles'	0	0	8	1	0	9	0	0	0	2	0	0	2	0	0	7	0	0	7	0	1	0	0	0	1	19
3:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	1	0	0	1	6
3:15 PM	0	0	3	1	0	4	0	1	0	1	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	7
3:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
3:45 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	0	2
Hourly 'Heavy Vehicles'	0	0	5	1	0	6	0	1	1	1	0	3	0	0	6	0	0	0	6	0	0	2	0	0	2	17

TMC 2592 - CSAH 9 @ CSAH 58
Andover MN
Wednesday, November 19, 2025

Time	Southbound Heavy CSAH 9						Westbound Heavy CSAH 58						Northbound Heavy CSAH 9						Eastbound Heavy CSAH 58						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	1	2	0	0	3	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	8	
4:15 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	3	
4:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2	
4:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	0	2	0	0	0	0	0	3	
Hourly 'Heavy Vehicles'	0	1	3	0	0	4	0	1	0	2	0	3	0	0	8	0	0	0	8	0	1	0	0	0	1	16
5:00 PM	0	0	0	0	0	0	0	3	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	0	4	
5:15 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	
5:30 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	
5:45 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	
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	3	0	0	0	3	0	0	4	0	0	4	0	0	0	0	0	0	0	8
6:00 PM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
6:15 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	
6:30 PM	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	
6:45 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	2	0	0	2	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	5
7:00 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	
7:15 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	
7:30 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	
7:45 PM	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	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	5
8:00 PM	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	
8:15 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	
8:30 PM	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	
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	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	3
9:00 PM	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	
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	
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	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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	4	
10:00 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	
10:15 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	
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	2	0	0	2	0	0	0	0	0	0	0	2
11:00 PM	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	
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	1	0	0	1	0	0	0	0	0	0	1	
11:45 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	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	4
DAILY 'Heavy Vehicles'	0	9	103	7	0	119	0	12	4	13	0	29	0	1	85	4	0	90	0	8	6	4	0	18	256	

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2592
Date	11/19/2025
Intersection Geometrics	Multi-Way Stop

Intersection Information			
Major Street (N/S Road)	CSAH 9	Minor Street (E/W Road)	CSAH 58
Analyzed with	1 approach lane	Analyzed with	1 Approach Lane
Total Approach Volume	9025 vehicles	Total Approach Volume	1529 vehicles
Total Ped/Bike Volume	0 crossings	Total Ped/Bike Volume	0 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0%

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

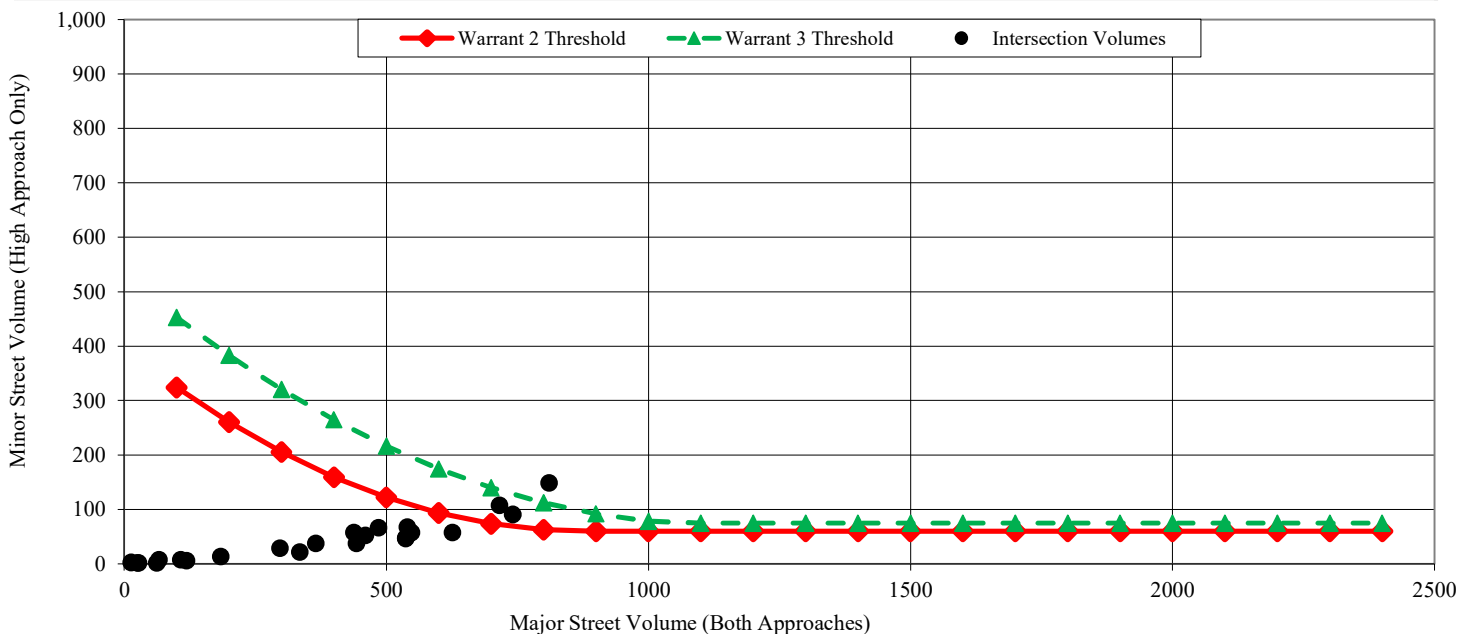
Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Not Satisfied	Not Satisfied
Required values reached for	2 hours	7 hours	3 (Cond. A) & 12 (Cond. B)
Criteria - Major Street (veh/hr)	350	525	280 (Cond. A) & 420 (Cond. B)
Criteria - Minor 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?	Not Satisfied
Required values reached for	3 hours
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Examined	Satisfied
Required values reached for		1 hour
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	2592
Date	11/19/2025
Intersection Geometrics	Multi-Way Stop

Intersection Information			
Major Street (N/S Road)	CSAH 9	Minor Street (E/W Road)	CSAH 58
Analyzed with	1 approach lane	Analyzed with	1 Approach Lane
Total Approach Volume	9025 vehicles	Total Approach Volume	1529 vehicles
Total Ped/Bike Volume	0 crossings	Total Ped/Bike Volume	0 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0%

Reduction applied to Multi-Way Stop Warrant thresholds due to high speeds on CSAH 9.

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	3 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)	