

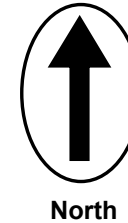
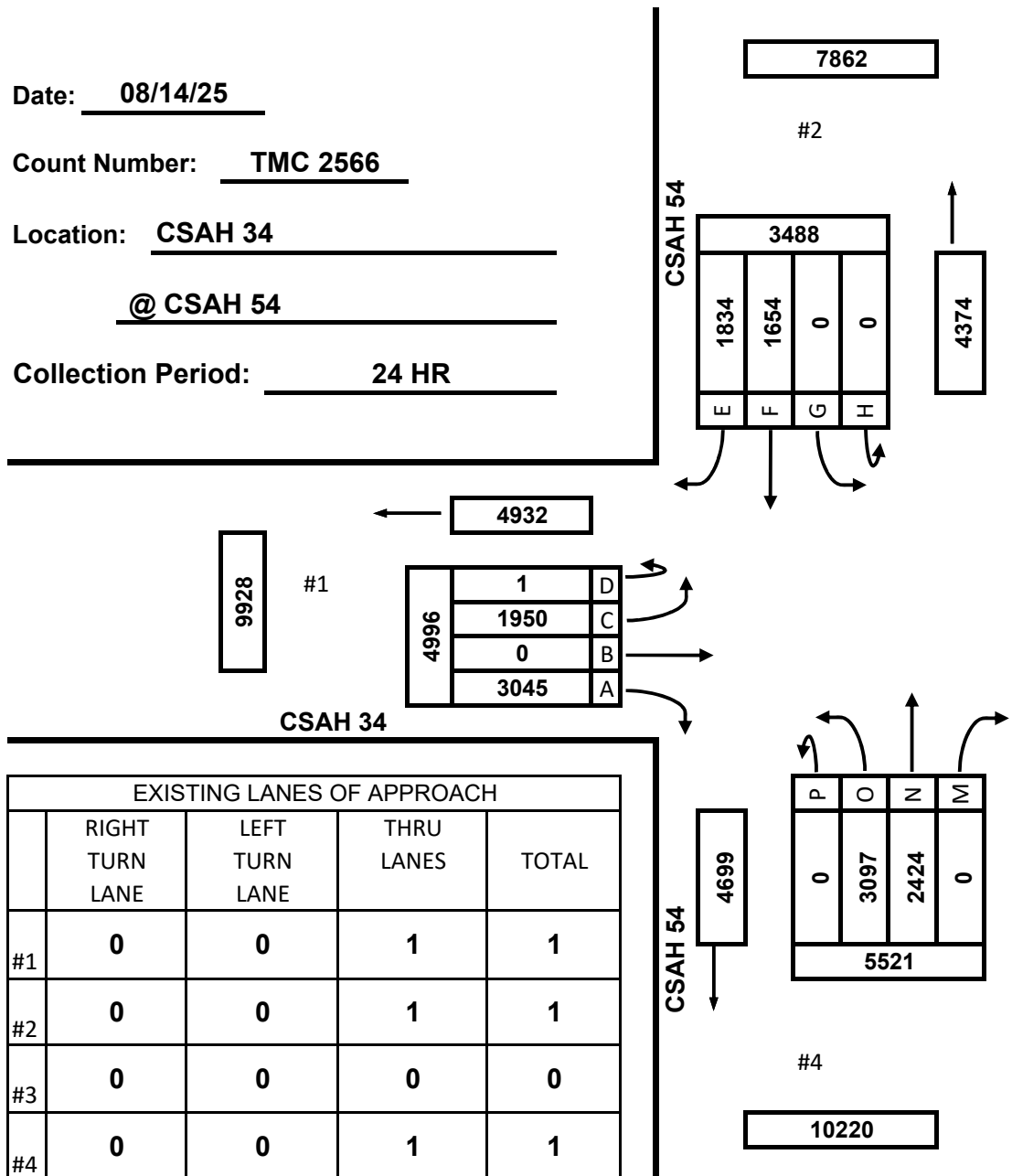
Date: 08/14/25

Count Number: TMC 2566

Location: CSAH 34

@ CSAH 54

Collection Period: 24 HR



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 08/14/25

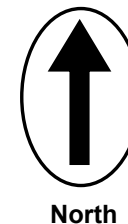
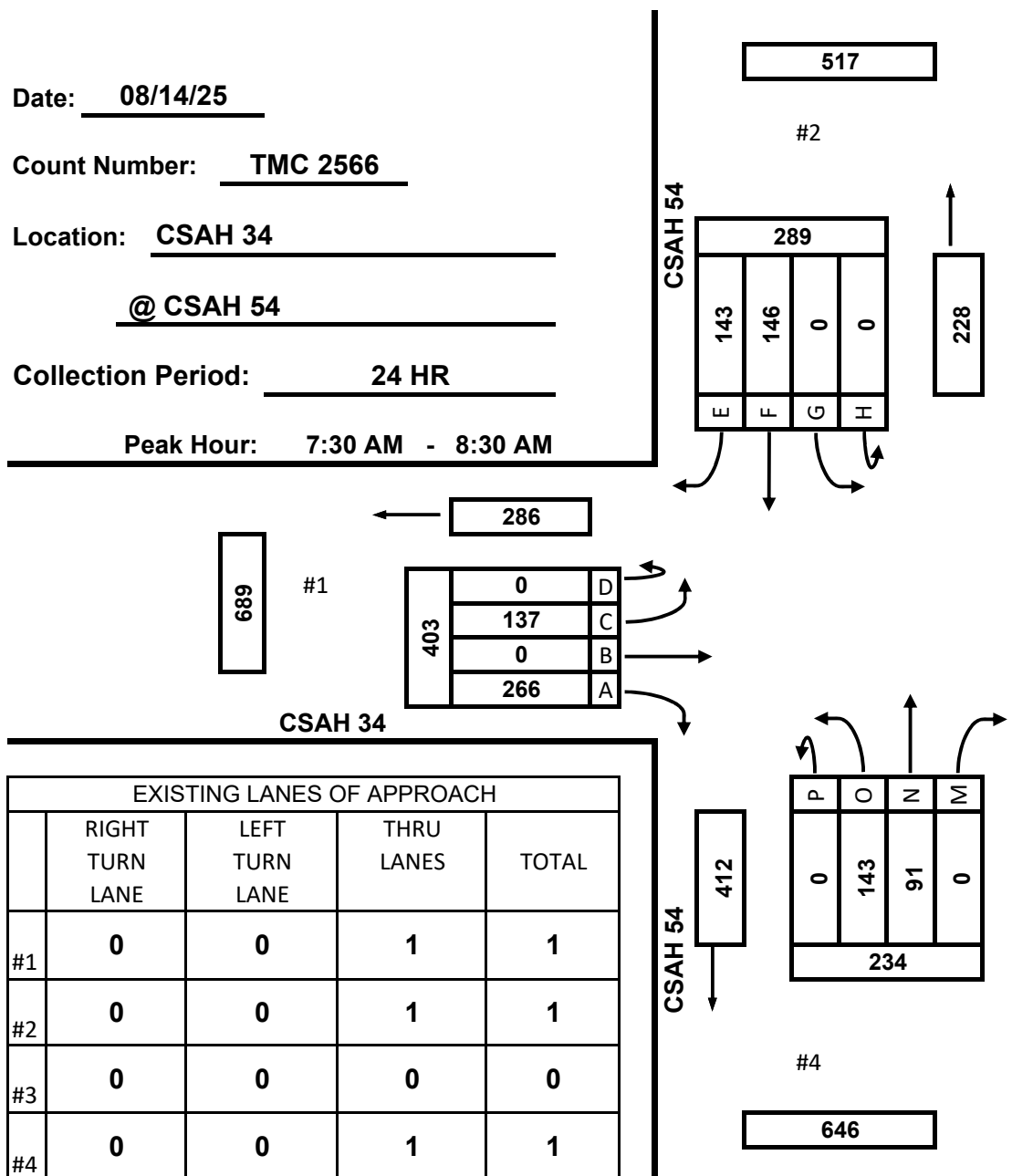
Count Number: TMC 2566

Location: CSAH 34

@ CSAH 54

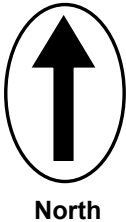
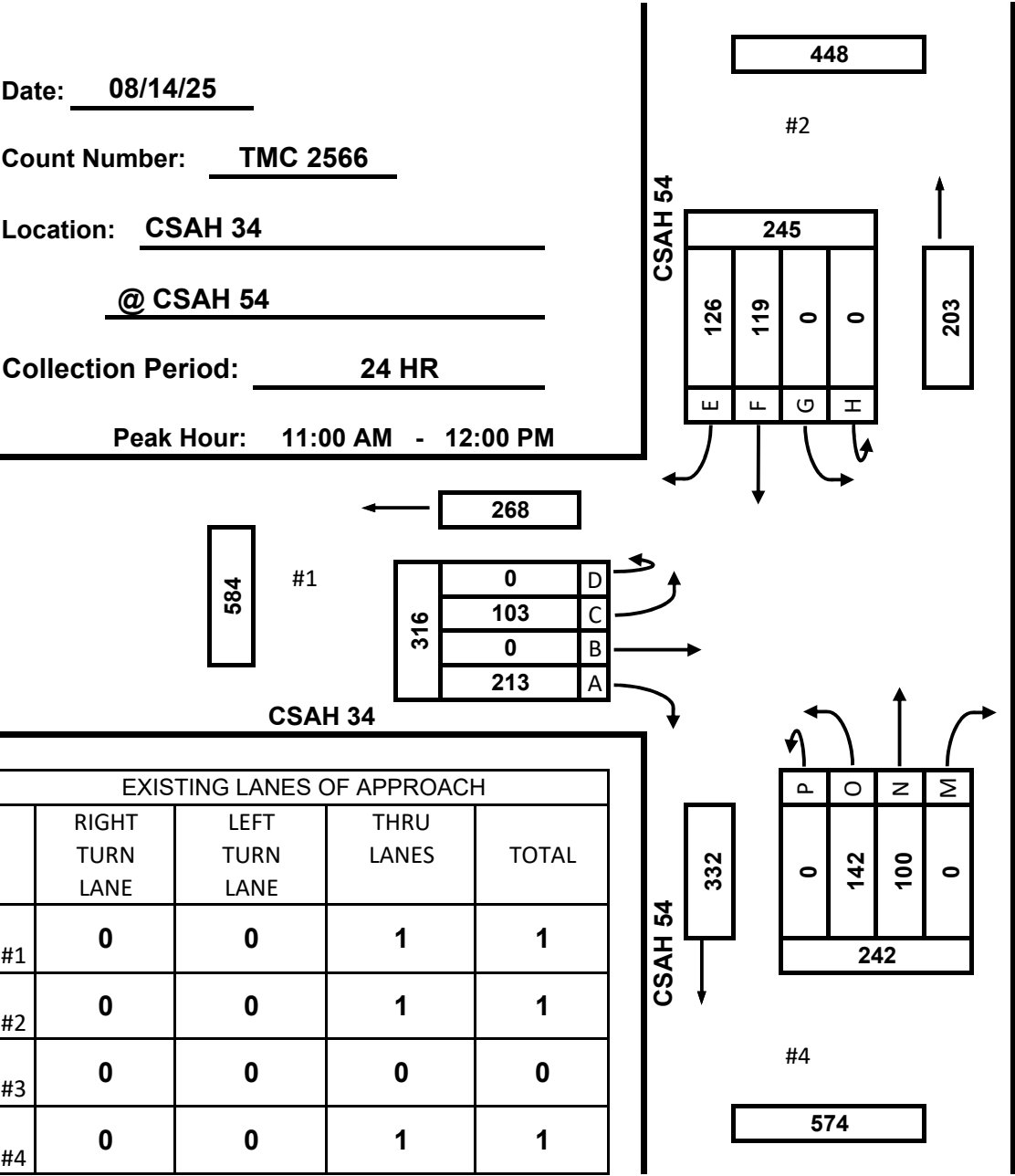
Collection Period: 24 HR

Peak Hour: 7:30 AM - 8:30 AM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 08/14/25
 Count Number: TMC 2566
 Location: CSAH 34
@ CSAH 54
 Collection Period: 24 HR
 Peak Hour: 11:00 AM - 12:00 PM



Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

Date: 08/14/25

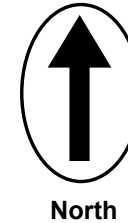
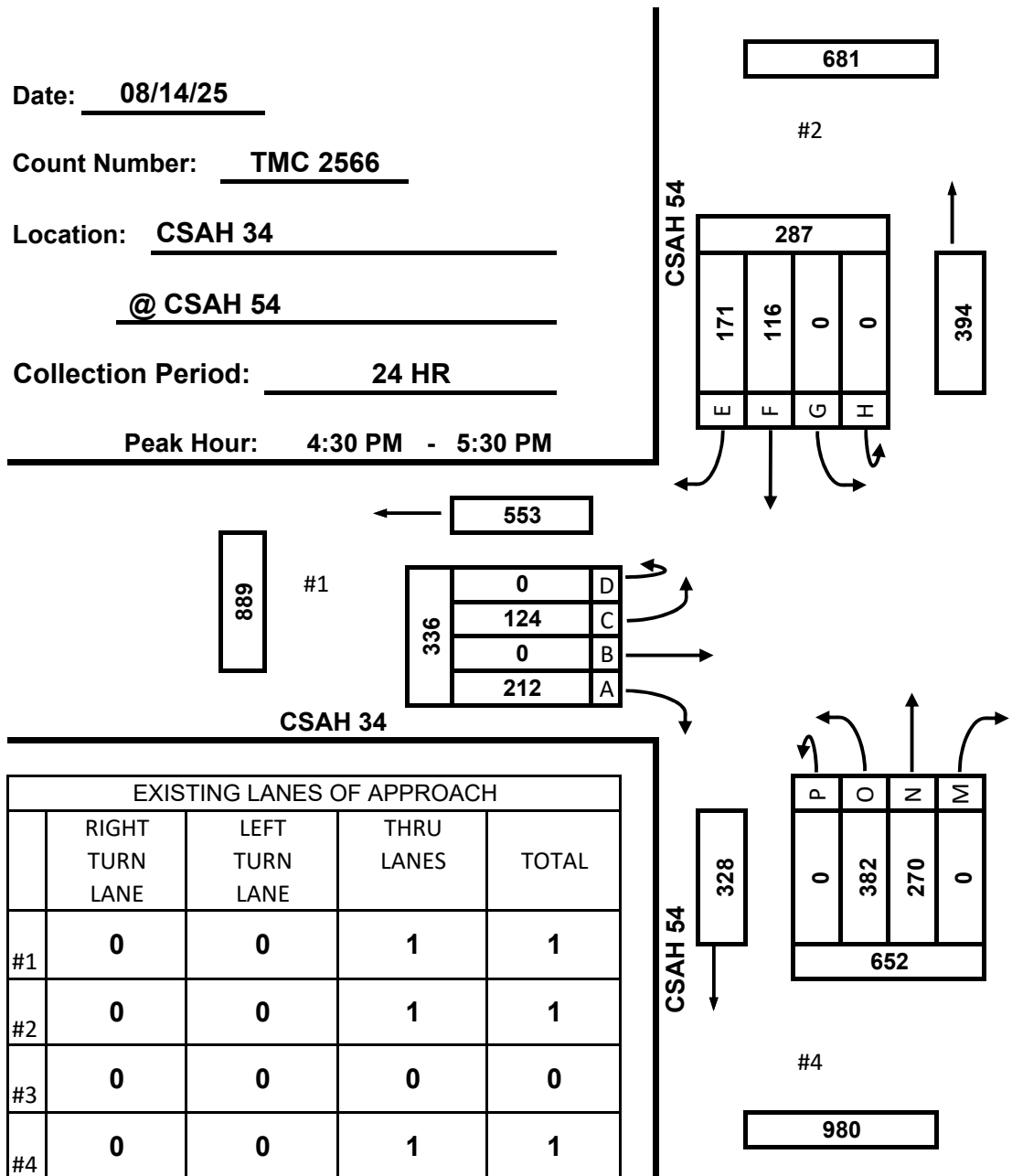
Count Number: TMC 2566

Location: CSAH 34

@ CSAH 54

Collection Period: 24 HR

Peak Hour: 4:30 PM - 5:30 PM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

Time	Southbound CSAH 54						Westbound None						Northbound CSAH 54						Eastbound CSAH 34						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	3	0	3	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	3	0	3	24
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	0	0	0	8
12:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	2	5	0	0	0	0	2	0	0	0	2	10
12:45 AM	0	0	2	3	0	5	0	0	0	0	0	0	0	2	6	0	0	0	0	3	0	2	0	5	18
Hourly Total	0	0	2	7	0	9	0	0	0	0	0	0	0	18	23	0	0	0	0	5	0	5	0	10	60
1:00 AM	0	0	2	3	0	5	0	0	0	0	0	0	0	0	11	0	0	0	0	4	0	0	0	4	20
1:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0	1	0	3	8
1:30 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	2	1	0	0	0	0	2	0	3	0	5	10
1:45 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	2	0	2	8
Hourly Total	0	0	2	8	0	10	0	0	0	0	0	0	0	3	19	0	0	0	0	8	0	6	0	14	46
2:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	3	2	0	0	0	0	1	0	0	0	1	7
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	4	0	4	7
2:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	1	6	0	0	0	0	2	0	1	0	3	12
2:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	1	10	0	0	0	0	3	0	2	0	5	17
Hourly Total	0	0	1	3	0	4	0	0	0	0	0	0	0	6	20	0	0	0	0	6	0	7	0	13	43
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	17	0	0	0	0	0	0	1	0	1	20
3:15 AM	0	0	3	1	0	4	0	0	0	0	0	0	0	1	21	0	0	0	0	2	0	2	0	4	30
3:30 AM	0	0	3	3	0	6	0	0	0	0	0	0	0	2	12	0	0	0	0	4	0	1	0	5	25
3:45 AM	0	0	3	1	0	4	0	0	0	0	0	0	0	1	12	0	0	0	0	3	0	2	0	5	22
Hourly Total	0	0	10	5	0	15	0	0	0	0	0	0	0	5	62	0	0	0	0	9	0	6	0	15	97
4:00 AM	0	0	6	2	0	8	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	5	0	5	19
4:15 AM	0	0	11	4	0	15	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	6	0	7	23
4:30 AM	0	0	15	3	0	18	0	0	0	0	0	0	0	3	3	0	0	0	0	3	0	11	0	14	38
4:45 AM	0	0	10	3	0	13	0	0	0	0	0	0	0	2	2	0	0	0	0	6	0	18	0	24	41
Hourly Total	0	0	42	12	0	54	0	0	0	0	0	0	0	8	9	0	0	0	0	10	0	40	0	50	121
5:00 AM	0	0	12	4	0	16	0	0	0	0	0	0	0	1	1	0	0	0	0	6	0	24	0	30	48
5:15 AM	0	0	18	7	0	25	0	0	0	0	0	0	0	3	2	0	0	0	0	4	0	19	0	23	53
5:30 AM	0	0	17	12	0	29	0	0	0	0	0	0	0	6	3	0	0	0	0	12	0	42	0	54	92
5:45 AM	0	0	23	7	0	30	0	0	0	0	0	0	0	6	15	0	0	0	0	17	0	40	0	57	108
Hourly Total	0	0	70	30	0	100	0	0	0	0	0	0	0	16	21	0	0	0	0	39	0	125	0	164	301
6:00 AM	0	0	18	14	0	32	0	0	0	0	0	0	0	6	26	0	0	0	0	19	0	29	0	48	112
6:15 AM	0	0	27	19	0	46	0	0	0	0	0	0	0	11	22	0	0	0	0	23	0	56	0	79	158
6:30 AM	0	0	30	22	0	52	0	0	0	0	0	0	0	16	34	0	0	0	0	18	0	65	0	83	185
6:45 AM	0	0	26	13	0	39	0	0	0	0	0	0	0	17	33	0	0	0	0	30	0	63	0	93	182
Hourly Total	0	0	101	68	0	169	0	0	0	0	0	0	0	50	115	0	0	0	0	90	0	213	0	303	637
7:00 AM	0	0	45	24	0	69	0	0	0	0	0	0	0	15	10	0	0	0	0	33	0	58	0	91	185
7:15 AM	0	0	45	34	0	79	0	0	0	0	0	0	0	27	15	0	0	0	0	22	0	78	0	100	221
7:30 AM	0	0	48	30	0	78	0	0	0	0	0	0	0	31	24	0	0	0	0	34	0	69	0	103	236
7:45 AM	0	0	37	40	0	77	0	0	0	0	0	0	0	30	21	0	0	0	0	38	0	68	0	106	234
Hourly Total	0	0	175	128	0	303	0	0	0	0	0	0	0	103	70	0	0	0	0	127	0	273	0	400	876

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

Time	Southbound CSAH 54						Westbound None						Northbound CSAH 54						Eastbound CSAH 34						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	29	38	0	67	0	0	0	0	0	0	0	35	28	0	0	63	0	35	0	65	0	100	230
8:15 AM	0	0	32	35	0	67	0	0	0	0	0	0	0	47	18	0	0	65	0	30	0	64	0	94	226
8:30 AM	0	0	27	28	0	55	0	0	0	0	0	0	0	40	20	0	0	60	0	25	0	70	0	95	210
8:45 AM	0	0	28	19	0	47	0	0	0	0	0	0	0	28	23	0	0	51	0	32	0	62	0	94	192
Hourly Total	0	0	116	120	0	236	0	0	0	0	0	0	0	150	89	0	0	239	0	122	0	261	0	383	858
9:00 AM	0	0	23	19	0	42	0	0	0	0	0	0	0	32	28	0	0	60	0	30	0	53	0	83	185
9:15 AM	0	0	20	22	0	42	0	0	0	0	0	0	0	23	35	0	0	58	0	34	0	57	0	91	191
9:30 AM	0	0	25	11	0	36	0	0	0	0	0	0	0	28	29	0	0	57	0	18	0	51	0	69	162
9:45 AM	0	0	19	20	0	39	0	0	0	0	0	0	0	36	21	0	0	57	0	33	0	50	0	83	179
Hourly Total	0	0	87	72	0	159	0	0	0	0	0	0	0	119	113	0	0	232	0	115	0	211	0	326	717
10:00 AM	0	0	21	23	0	44	0	0	0	0	0	0	0	31	27	0	0	58	0	28	0	58	0	86	188
10:15 AM	0	0	30	17	0	47	0	0	0	0	0	0	0	36	32	0	0	68	0	32	0	42	0	74	189
10:30 AM	0	0	32	24	0	56	0	0	0	0	0	0	0	29	33	0	0	62	0	30	0	59	0	89	207
10:45 AM	0	0	19	19	0	43	0	0	0	0	0	0	0	33	26	0	0	59	0	32	0	43	0	75	177
Hourly Total	0	0	107	83	0	190	0	0	0	0	0	0	0	129	118	0	0	247	0	122	0	202	0	324	761
11:00 AM	0	0	35	23	0	58	0	0	0	0	0	0	0	31	27	0	0	58	0	23	0	51	0	74	190
11:15 AM	0	0	27	27	0	54	0	0	0	0	0	0	0	35	18	0	0	53	0	35	0	55	0	90	197
11:30 AM	0	0	34	35	0	69	0	0	0	0	0	0	0	38	27	0	0	65	0	29	0	54	0	83	217
11:45 AM	0	0	23	41	0	64	0	0	0	0	0	0	0	38	28	0	0	66	0	16	0	53	0	69	199
Hourly Total	0	0	119	126	0	245	0	0	0	0	0	0	0	142	100	0	0	242	0	103	0	213	0	316	803
12:00 PM	0	0	24	28	0	52	0	0	0	0	0	0	0	39	27	0	0	66	0	29	0	42	0	71	189
12:15 PM	0	0	19	26	0	45	0	0	0	0	0	0	0	32	31	0	0	63	0	23	0	39	0	62	170
12:30 PM	0	0	27	21	0	48	0	0	0	0	0	0	0	47	36	0	0	83	0	22	0	50	0	72	203
12:45 PM	0	0	19	24	0	43	0	0	0	0	0	0	0	45	50	0	0	95	0	30	0	42	0	72	210
Hourly Total	0	0	89	99	0	188	0	0	0	0	0	0	0	163	144	0	0	307	0	104	0	173	0	277	772
1:00 PM	0	0	19	33	0	52	0	0	0	0	0	0	0	39	33	0	0	72	0	27	0	38	0	65	189
1:15 PM	0	0	18	23	0	41	0	0	0	0	0	0	0	50	44	0	0	94	0	26	0	37	0	63	198
1:30 PM	0	0	20	27	0	47	0	0	0	0	0	0	0	36	31	0	0	67	0	37	0	48	0	85	199
1:45 PM	0	0	27	23	0	50	0	0	0	0	0	0	0	46	38	0	0	84	0	28	0	51	0	79	213
Hourly Total	0	0	84	106	0	190	0	0	0	0	0	0	0	171	146	0	0	317	0	118	0	174	0	292	799
2:00 PM	0	0	21	24	0	45	0	0	0	0	0	0	0	47	36	0	0	83	0	38	0	36	0	74	202
2:15 PM	0	0	21	29	0	50	0	0	0	0	0	0	0	56	27	0	0	83	0	37	0	48	0	85	218
2:30 PM	0	0	13	30	0	43	0	0	0	0	0	0	0	65	61	0	0	126	0	34	0	46	0	80	249
2:45 PM	0	0	18	22	0	40	0	0	0	0	0	0	0	74	41	0	0	115	0	29	0	43	0	72	227
Hourly Total	0	0	73	105	0	178	0	0	0	0	0	0	0	242	165	0	0	407	0	138	0	173	0	311	896
3:00 PM	0	0	26	34	0	60	0	0	0	0	0	0	0	73	49	0	0	122	0	37	0	37	0	74	256
3:15 PM	0	0	21	29	0	50	0	0	0	0	0	0	0	67	62	0	0	129	0	29	0	29	0	58	237
3:30 PM	0	0	21	36	0	57	0	0	0	0	0	0	0	78	48	0	0	126	0	42	0	47	0	89	272
3:45 PM	0	0	25	30	0	55	0	0	0	0	0	0	0	91	56	0	0	147	0	41	0	43	0	84	286
Hourly Total	0	0	93	129	0	222	0	0	0	0	0	0	0	309	215	0	0	524	0	149	0	156	0	305	1051

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

Time	Southbound CSAH 54						Westbound None						Northbound CSAH 54						Eastbound CSAH 34						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	21	38	0	59	0	0	0	0	0	0	0	84	52	0	0	136	0	40	0	35	0	75	270
4:15 PM	0	0	34	51	0	85	0	0	0	0	0	0	0	105	52	0	0	157	0	35	0	41	0	76	318
4:30 PM	0	0	32	38	0	70	0	0	0	0	0	0	0	94	72	0	0	166	0	35	0	50	0	85	321
4:45 PM	0	0	33	42	0	75	0	0	0	0	0	0	0	98	50	0	0	148	0	37	0	66	0	103	326
Hourly Total	0	0	120	169	0	289	0	0	0	0	0	0	0	381	226	0	0	607	0	147	0	192	0	339	1235
5:00 PM	0	0	30	51	0	81	0	0	0	0	0	0	0	95	67	0	0	162	0	25	0	41	0	66	309
5:15 PM	0	0	21	40	0	61	0	0	0	0	0	0	0	95	81	0	0	176	0	27	0	55	0	82	319
5:30 PM	0	0	37	38	0	75	0	0	0	0	0	0	0	82	59	0	0	141	0	39	0	46	0	85	301
5:45 PM	0	0	32	36	0	68	0	0	0	0	0	0	0	50	45	0	0	95	0	43	0	50	0	93	256
Hourly Total	0	0	120	165	0	285	0	0	0	0	0	0	0	322	252	0	0	574	0	134	0	192	0	326	1185
6:00 PM	0	0	26	38	0	64	0	0	0	0	0	0	0	82	41	0	0	123	0	30	0	26	0	56	243
6:15 PM	0	0	25	29	0	54	0	0	0	0	0	0	0	66	32	0	0	98	0	29	0	57	0	86	238
6:30 PM	0	0	16	29	0	45	0	0	0	0	0	0	0	47	35	0	0	82	0	30	0	41	0	71	198
6:45 PM	0	0	16	26	0	42	0	0	0	0	0	0	0	45	26	0	0	71	0	25	0	31	0	56	169
Hourly Total	0	0	83	122	0	205	0	0	0	0	0	0	0	240	134	0	0	374	0	114	0	155	0	269	848
7:00 PM	0	0	17	32	0	49	0	0	0	0	0	0	0	50	37	0	0	87	0	24	0	27	0	51	187
7:15 PM	0	0	14	23	0	37	0	0	0	0	0	0	0	42	41	0	0	83	0	29	0	28	0	57	177
7:30 PM	0	0	12	33	0	45	0	0	0	0	0	0	0	39	41	0	0	80	0	23	0	36	0	59	184
7:45 PM	0	0	11	17	0	28	0	0	0	0	0	0	0	41	27	0	0	68	0	34	0	19	0	53	124
Hourly Total	0	0	54	105	0	159	0	0	0	0	0	0	0	172	146	0	0	318	0	110	0	110	0	220	697
8:00 PM	0	0	13	19	0	32	0	0	0	0	0	0	0	45	42	0	0	87	0	17	0	27	0	44	163
8:15 PM	0	0	15	27	0	42	0	0	0	0	0	0	0	39	27	0	0	66	0	28	0	22	0	50	158
8:30 PM	0	0	10	21	0	31	0	0	0	0	0	0	0	43	21	0	0	64	1	25	0	12	0	38	133
8:45 PM	0	0	12	11	0	23	0	0	0	0	0	0	0	38	28	0	0	66	0	18	0	17	0	35	124
Hourly Total	0	0	50	78	0	128	0	0	0	0	0	0	0	165	118	0	0	283	1	88	0	78	0	167	578
9:00 PM	0	0	15	13	0	28	0	0	0	0	0	0	0	28	28	0	0	56	0	16	0	14	0	30	114
9:15 PM	0	0	7	11	0	18	0	0	0	0	0	0	0	22	13	0	0	35	0	12	0	12	0	24	77
9:30 PM	0	0	6	14	0	20	0	0	0	0	0	0	0	20	19	0	0	39	0	7	0	19	0	26	85
9:45 PM	0	0	5	9	0	14	0	0	0	0	0	0	0	21	3	0	0	24	0	10	0	7	0	17	55
Hourly Total	0	0	33	47	0	80	0	0	0	0	0	0	0	91	63	0	0	154	0	45	0	52	0	97	331
10:00 PM	0	0	4	18	0	22	0	0	0	0	0	0	0	13	13	0	0	26	0	10	0	6	0	16	64
10:15 PM	0	0	0	11	0	11	0	0	0	0	0	0	0	17	4	0	0	21	0	11	0	5	0	16	48
10:30 PM	0	0	6	3	0	9	0	0	0	0	0	0	0	18	12	0	0	30	0	5	0	9	0	14	53
10:45 PM	0	0	5	1	0	6	0	0	0	0	0	0	0	17	5	0	0	22	0	7	0	3	0	10	38
Hourly Total	0	0	15	33	0	48	0	0	0	0	0	0	0	65	34	0	0	99	0	33	0	23	0	56	203
11:00 PM	0	0	3	4	0	7	0	0	0	0	0	0	0	7	9	0	0	16	0	2	0	0	0	2	25
11:15 PM	0	0	4	3	0	7	0	0	0	0	0	0	0	4	6	0	0	10	0	8	0	1	0	9	26
11:30 PM	0	0	1	6	0	7	0	0	0	0	0	0	0	8	3	0	0	11	0	4	0	0	0	4	22
11:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	8	4	0	0	12	0	0	0	4	0	4	17
Hourly Total	0	0	8	14	0	22	0	0	0	0	0	0	0	27	22	0	0	49	0	14	0	5	0	19	90
DAILY TOTAL	0	0	1654	1834	0	3488	0	0	0	0	0	0	0	3097	2424	0	0	5521	1	1950	0	3045	0	4996	14005
Cars	0	0	1614	1788	0	3402	0	0	0	0	0	0	0	3070	2379	0	0	5449	1	1893	0	3012	0	4906	13757
Heavy Vehicles	0	0	40	46	0	86	0	0	0	0	0	0	0	27	45	0	0	72	0	57	0	33	0	90	248
Heavy Vehicle %	0.00%	0.00%	2.42%	2.51%	0.00%	2.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.87%	1.86%	0.00%	0.00%	1.30%	0.00%	2.92%	0.00%	1.08%	0.00%	1.80%	1.77%

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 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	
7:30 AM	0	0	48	30	0	78	0	0	0	0	0	0	0	31	24	0	0	55	0	34	0	69	0	103	236
7:45 AM	0	0	37	40	0	77	0	0	0	0	0	0	0	30	21	0	0	51	0	38	0	68	0	106	234
8:00 AM	0	0	29	38	0	67	0	0	0	0	0	0	0	35	28	0	0	63	0	35	0	65	0	100	230
8:15 AM	0	0	32	35	0	67	0	0	0	0	0	0	0	47	18	0	0	65	0	30	0	64	0	94	226
Peak Hour Total	0	0	146	143	0	289	0	0	0	0	0	0	0	143	91	0	0	234	0	137	0	266	0	403	926
Peak Hour Heavy Vehicles	0	0	2	6	0	8	0	0	0	0	0	0	0	4	0	0	0	4	0	3	0	3	0	6	18
Peak Hour Heavy Vehicles %	0.00%	0.00%	1.37%	4.20%	0.00%	2.77%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.80%	0.00%	0.00%	0.00%	1.71%	0.00%	2.19%	0.00%	1.13%	0.00%	1.49%	1.94%
PHF	0.000	0.000	0.760	0.894	0.000	0.926	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.761	0.813	0.000	0.000	0.900	0.000	0.901	0.000	0.964	0.000	0.950	0.981

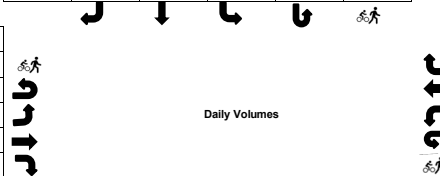
Mid Peak Hour (10:00 - 14:00)

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	
11:00 AM	0	0	35	23	0	58	0	0	0	0	0	0	0	31	27	0	0	58	0	23	0	51	0	74	190
11:15 AM	0	0	27	27	0	54	0	0	0	0	0	0	0	35	18	0	0	53	0	35	0	55	0	90	197
11:30 AM	0	0	34	35	0	69	0	0	0	0	0	0	0	38	27	0	0	65	0	29	0	54	0	83	217
11:45 AM	0	0	23	41	0	64	0	0	0	0	0	0	0	38	28	0	0	66	0	16	0	53	0	69	199
Peak Hour Total	0	0	119	126	0	245	0	0	0	0	0	0	0	142	100	0	0	242	0	103	0	213	0	316	803
Peak Hour Heavy Vehicles	0	0	4	4	0	8	0	0	0	0	0	0	0	2	1	0	0	3	0	5	0	3	0	8	19
Peak Hour Heavy Vehicles %	0.00%	0.00%	3.36%	3.17%	0.00%	3.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.41%	1.00%	0.00%	0.00%	1.24%	0.00%	4.85%	0.00%	1.41%	0.00%	2.53%	2.37%
PHF	0.000	0.000	0.850	0.768	0.000	0.888	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.934	0.893	0.000	0.000	0.917	0.000	0.736	0.000	0.968	0.000	0.878	0.925

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	
4:30 PM	0	0	32	38	0	70	0	0	0	0	0	0	0	94	72	0	0	166	0	35	0	50	0	85	321
4:45 PM	0	0	33	42	0	75	0	0	0	0	0	0	0	98	50	0	0	148	0	37	0	66	0	103	326
5:00 PM	0	0	30	51	0	81	0	0	0	0	0	0	0	95	67	0	0	162	0	25	0	41	0	66	309
5:15 PM	0	0	21	40	0	61	0	0	0	0	0	0	0	95	81	0	0	176	0	27	0	55	0	82	319
Peak Hour Total	0	0	116	171	0	287	0	0	0	0	0	0	0	382	270	0	0	652	0	124	0	212	0	336	1275
Peak Hour Heavy Vehicles	0	0	1	3	0	4	0	0	0	0	0	0	0	2	3	0	0	5	0	2	0	0	0	2	11
Peak Hour Heavy Vehicles %	0.00%	0.00%	0.86%	1.75%	0.00%	1.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.52%	1.11%	0.00%	0.00%	0.77%	0.00%	1.61%	0.00%	0.00%	0.00%	0.60%	0.86%
PHF	0.000	0.000	0.879	0.838	0.000	0.886	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.974	0.833	0.000	0.000	0.926	0.000	0.838	0.000	0.803	0.000	0.816	0.978

Total Vehicles On Leg			7862		
Vehicles Entering Intersection 3488			Vehicles Exiting Intersection 4374		
Southbound					
Cars	1788	1614	0	0	0
Heavy	46	40	0	0	0
Total	1834	1654	0	0	0



Daily Volumes

Total Vehicles on Leg 9928	Vehicles Entering Intersection 4996	Eastbound	Cars	Heavy	Total
	Vehicles Exiting Intersection 4932		0	0	0
			1	0	1
			1893	57	1950
			0	0	0
			3012	33	3045

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

Cars	0	0	3070	2379	0
Heavy	0	0	27	45	0
Total	0	0	3097	2424	0
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
5521			4699		
Total Vehicles On Leg			10220		

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

Time	Southbound Heavy CSAH 54						Westbound Heavy None						Northbound Heavy CSAH 54						Eastbound Heavy CSAH 34						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	1	0	1	1
Hourly 'Heavy Vehicles'	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
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	1	0	0	0	1	0	0	0	0	0	1
2:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	1	0	0	0	0	0	1
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	1	0	0	0	0	1
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	1	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0
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	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	2	0	0	0	2	2
5:45 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	2	0	0	0	2	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	0	1	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	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	2	4
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	0	0	0	0	0	1	1	0	0	2	0	1	0	2	0	3	7
7:00 AM	0	0	3	4	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	8
7:15 AM	0	0	1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3	8
7:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	4
7:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	2	4
Hourly 'Heavy Vehicles'	0	0	6	8	0	14	0	0	0	0	0	0	0	3	0	0	0	3	0	4	0	3	0	7	24

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

	Southbound Heavy CSAH 54						Westbound Heavy None						Northbound Heavy CSAH 54						Eastbound Heavy CSAH 34						VEHICLE 'Heavy Vehicles'	
Time	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	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	6	
8:15 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	4	
8:30 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	6	
8:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	3	
Hourly 'Heavy Vehicles'	0	0	0	9	0	9	0	0	0	0	0	0	0	2	0	0	0	0	2	0	4	0	4	0	8	19
9:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	2	4	0	0	0	6	0	3	0	0	0	3	11
9:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	2	0	4	8
9:30 AM	0	0	4	1	0	5	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	4	0	6	13
9:45 AM	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	9	3	0	12	0	0	0	0	0	0	0	2	8	0	0	0	10	0	7	0	6	0	13	35
10:00 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	4
10:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	2	6
10:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	2	2	0	0	0	4	0	2	0	1	0	3	9
10:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3	4
Hourly 'Heavy Vehicles'	0	0	6	2	0	8	0	0	0	0	0	0	0	2	4	0	0	0	6	0	6	0	3	0	9	23
11:00 AM	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	5
11:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	6
11:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	3
11:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	1	0	1	0	2	5
Hourly 'Heavy Vehicles'	0	0	4	4	0	8	0	0	0	0	0	0	0	2	1	0	0	0	3	0	5	0	3	0	8	19
12:00 PM	0	0	1	2	0	3	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	2	6
12:15 PM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	4
12:30 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
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	2	4	0	6	0	0	0	0	0	0	0	2	1	0	0	0	3	0	3	0	1	0	4	13
1:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	4
1:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	3	4	0	0	0	7	0	0	0	0	0	0	8
1:30 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	5
1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	4	0	5	6
Hourly 'Heavy Vehicles'	0	0	4	1	0	5	0	0	0	0	0	0	0	3	7	0	0	0	10	0	1	0	7	0	8	23
2:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	2	0	5	0	0	0	5	9
2:15 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	4
2:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	2	1	0	0	0	3	0	1	0	1	0	2	6
2:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	0	0	0	2	5
Hourly 'Heavy Vehicles'	0	0	4	2	0	6	0	0	0	0	0	0	0	5	3	0	0	0	8	0	9	0	1	0	10	24
3:00 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	2	5
3:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	0	0	0	2	5
3:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
3:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	4	0	0	0	4	0	1	0	1	0	2	7
Hourly 'Heavy Vehicles'	0	0	1	4	0	5	0	0	0	0	0	0	0	2	5	0	0	0	7	0	6	0	1	0	7	19

TMC 2566 - CSAH 34 @ CSAH 54
Lino Lakes MN
Thursday, August 14, 2025

	Southbound Heavy CSAH 54						Westbound Heavy None						Northbound Heavy CSAH 54						Eastbound Heavy CSAH 34						VEHICLE 'Heavy Vehicles'	
Time	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	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	4
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	2	3
4:30 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	0	1
4:45 PM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	4
Hourly 'Heavy Vehicles'	0	0	1	3	0	4	0	0	0	0	0	0	0	0	4	0	0	0	4	0	4	0	0	0	4	12
5:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	0	1	0	0	0	1	4
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	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	0	1	0	1	0	0	0	0	0	0	0	2	4	0	0	0	6	0	1	0	0	0	1	8
6:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
6:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	4
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	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	1	1	0	2	0	0	0	0	0	0	0	1	3	0	0	0	4	0	0	0	1	0	1	7
7:00 PM	0	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
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
7:30 PM	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	1
7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	4
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	0
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	0
8:30 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	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	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	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	1	0	0	0	1	1
9:15 PM	0	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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
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	0
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	2	4
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	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	0
10:30 PM	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	1
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	0
Hourly 'Heavy Vehicles'	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	1
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	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	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	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	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	0
DAILY 'Heavy Vehicles'	0	0	40	46	0	86	0	0	0	0	0	0	0	27	45	0	0	72	0	57	0	33	0	90	248	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 54

Number of Lanes : 1

Total Approach Volume: 5,521

Southbound: CSAH 54

Number of Lanes : 1

Total Approach Volume: 3,488

Minor Street Approaches

Eastbound: CSAH 34

Number of Lanes : 1

Total Approach Volume: 4,996

Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Satisfied

Warrant 1A - Minimum Vehicular Volume.....Satisfied

Required volumes reached for 15 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied

Required volumes reached for 6 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Satisfied

Required 1A volumes reached for 16 hours, 8 are needed

Required 1B volumes reached for 12 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Satisfied

Number of hours (15) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (54) volumes exceed minimum >= required (1). Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Satisfied

Volumes exceed minimums for at least 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 2566

Study Date : 08/19/2025

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

15 one hour periods meet minimums.
Warrant IS met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **350**

Veh/Hr Minor = **105**

Major Road						Minor Road			
CSAH 54						CSAH 34			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
16:15 - 17:15	633	+	311	=	944	330	0	Yes	
17:15 - 18:15	535	+	268	=	803	316	0	Yes	
15:15 - 16:15	538	+	221	=	759	306	0	Yes	
14:15 - 15:15	446	+	193	=	639	311	0	Yes	
18:15 - 19:15	338	+	190	=	528	264	0	Yes	
07:15 - 08:15	211	+	301	=	512	409	0	Yes	
13:15 - 14:15	328	+	183	=	511	301	0	Yes	
12:15 - 13:15	313	+	188	=	501	271	0	Yes	
11:15 - 12:15	250	+	239	=	489	313	0	Yes	
19:15 - 20:15	318	+	142	=	460	213	0	Yes	
10:15 - 11:15	247	+	204	=	451	312	0	Yes	
08:15 - 09:15	236	+	211	=	447	366	0	Yes	
09:15 - 10:15	230	+	161	=	391	329	0	Yes	
20:15 - 21:15	252	+	124	=	376	153	0	Yes	
06:15 - 07:15	158	+	206	=	364	346	0	Yes	
06:00 - 07:00	165	+	169	=	334	303	0	No	
05:45 - 06:45	136	+	160	=	296	267	0	No	
05:30 - 06:30	95	+	137	=	232	238	0	No	
21:15 - 22:15	124	+	74	=	198	83	0	No	
05:15 - 06:15	67	+	116	=	183	182	0	No	
21:30 - 22:30	110	+	67	=	177	75	0	No	
21:45 - 22:45	101	+	56	=	157	63	0	No	
22:00 - 23:00	99	+	48	=	147	56	0	No	
05:00 - 06:00	37	+	100	=	137	164	0	No	
22:15 - 23:15	89		33		122	42	0	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

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 6 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **525**

Veh/Hr Minor = **52**

Major Road						Minor Road		
CSAH 54						CSAH 34		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:45 - 17:45	627	+	292	=	919	336	0	Yes
15:45 - 16:45	606	+	269	=	875	320	0	Yes
14:45 - 15:45	492	+	207	=	699	293	0	Yes
17:45 - 18:45	398	+	231	=	629	306	0	Yes
13:45 - 14:45	376	+	188	=	564	318	0	Yes
12:30 - 13:30	344	+	184	=	528	272	0	Yes
07:30 - 08:30	234	+	289	=	523	403	0	No
07:15 - 08:15	211	+	301	=	512	409	0	No
13:30 - 14:30	317	+	192	=	509	323	0	No
07:45 - 08:45	239	+	266	=	505	395	0	No
12:15 - 13:15	313	+	188	=	501	271	0	No
12:00 - 13:00	307	+	188	=	495	277	0	No
18:45 - 19:45	321	+	173	=	494	223	0	No
11:30 - 12:30	260	+	230	=	490	285	0	No
11:15 - 12:15	250	+	239	=	489	313	0	No
11:45 - 12:45	278	+	209	=	487	274	0	No
11:00 - 12:00	242	+	245	=	487	316	0	No
19:00 - 20:00	318	+	159	=	477	220	0	No
07:00 - 08:00	173	+	303	=	476	400	0	No
08:00 - 09:00	239	+	236	=	475	383	0	No
19:15 - 20:15	318	+	142	=	460	213	0	No
10:45 - 11:45	235	+	224	=	459	322	0	No
10:15 - 11:15	247	+	204	=	451	312	0	No
19:30 - 20:30	301	+	147	=	448	206	0	No
08:15 - 09:15	236		211		447	366	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

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

16 hours meet 1A minimums.
12 hours meet 1B minimums.
Warrant IS met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **280 420**
Veh/Hr Minor = **84 42**

Major Road CSAH 54						Minor Road CSAH 34				
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?		
16:45 - 17:45	627	+	292	=	919	336	0	Yes		
15:45 - 16:45	606	+	269	=	875	320	0	Yes		
14:45 - 15:45	492	+	207	=	699	293	0	Yes		
17:45 - 18:45	398	+	231	=	629	306	0	Yes		
13:45 - 14:45	376	+	188	=	564	318	0	Yes		
12:45 - 13:45	328	+	183	=	511	285	0	Yes		
07:45 - 08:45	239	+	266	=	505	395	0	Yes		
18:45 - 19:45	321	+	173	=	494	223	0	Yes		
11:45 - 12:45	278	+	209	=	487	274	0	Yes		
10:45 - 11:45	235	+	224	=	459	322	0	Yes		
06:45 - 07:45	172	+	265	=	437	387	0	Yes		
09:45 - 10:45	245		186		431	332	0	Yes		

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?		
16:45 - 17:45	627	+	292	=	919	336	0	Yes		
15:45 - 16:45	606	+	269	=	875	320	0	Yes		
14:45 - 15:45	492	+	207	=	699	293	0	Yes		
17:45 - 18:45	398	+	231	=	629	306	0	Yes		
13:45 - 14:45	376	+	188	=	564	318	0	Yes		
12:45 - 13:45	328	+	183	=	511	285	0	Yes		
07:45 - 08:45	239	+	266	=	505	395	0	Yes		
18:45 - 19:45	321	+	173	=	494	223	0	Yes		
11:45 - 12:45	278	+	209	=	487	274	0	Yes		
10:45 - 11:45	235	+	224	=	459	322	0	Yes		
06:45 - 07:45	172	+	265	=	437	387	0	Yes		
09:45 - 10:45	245		186		431	332	0	Yes		

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

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.

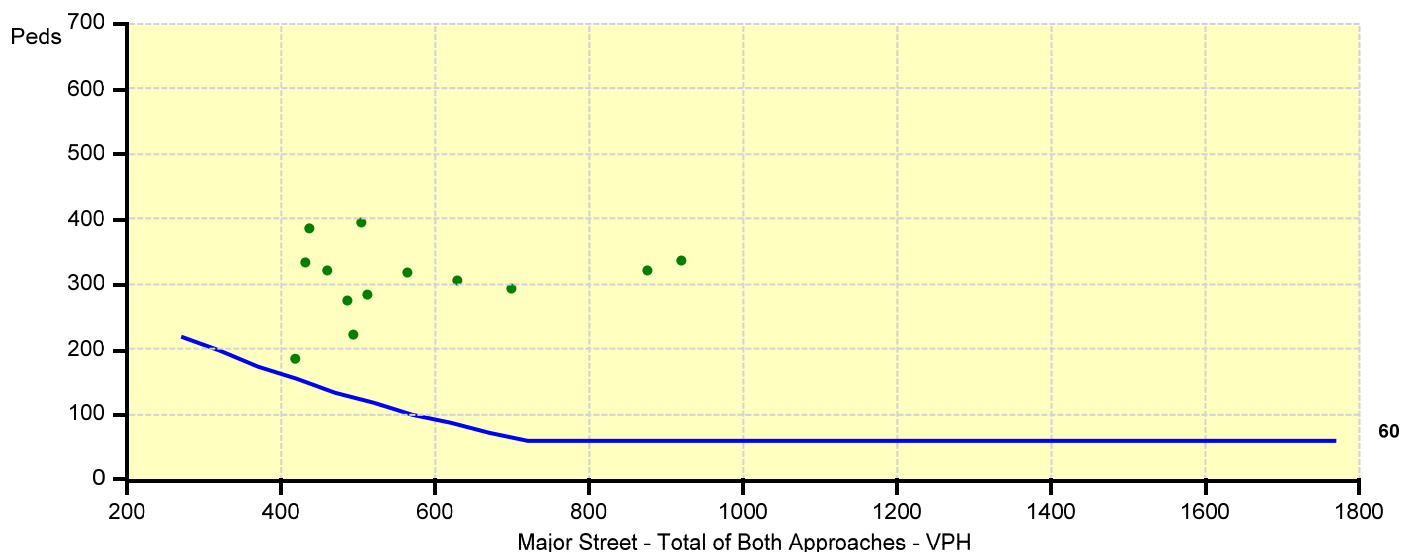
Summary

15 one hour periods meet minimums.
Warrant IS met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Major Road						Minor Road		
CSAH 54						CSAH 34		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:45 - 17:45	627	+	292	=	919	336	0	Yes
15:45 - 16:45	606	+	269	=	875	320	0	Yes
14:45 - 15:45	492	+	207	=	699	293	0	Yes
17:45 - 18:45	398	+	231	=	629	306	0	Yes
13:45 - 14:45	376	+	188	=	564	318	0	Yes
12:45 - 13:45	328	+	183	=	511	285	0	Yes
07:45 - 08:45	239	+	266	=	505	395	0	Yes
18:45 - 19:45	321	+	173	=	494	223	0	Yes
11:45 - 12:45	278	+	209	=	487	274	0	Yes
10:45 - 11:45	235	+	224	=	459	322	0	Yes
06:45 - 07:45	172	+	265	=	437	387	0	Yes
09:45 - 10:45	245	+	186	=	431	332	0	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

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.

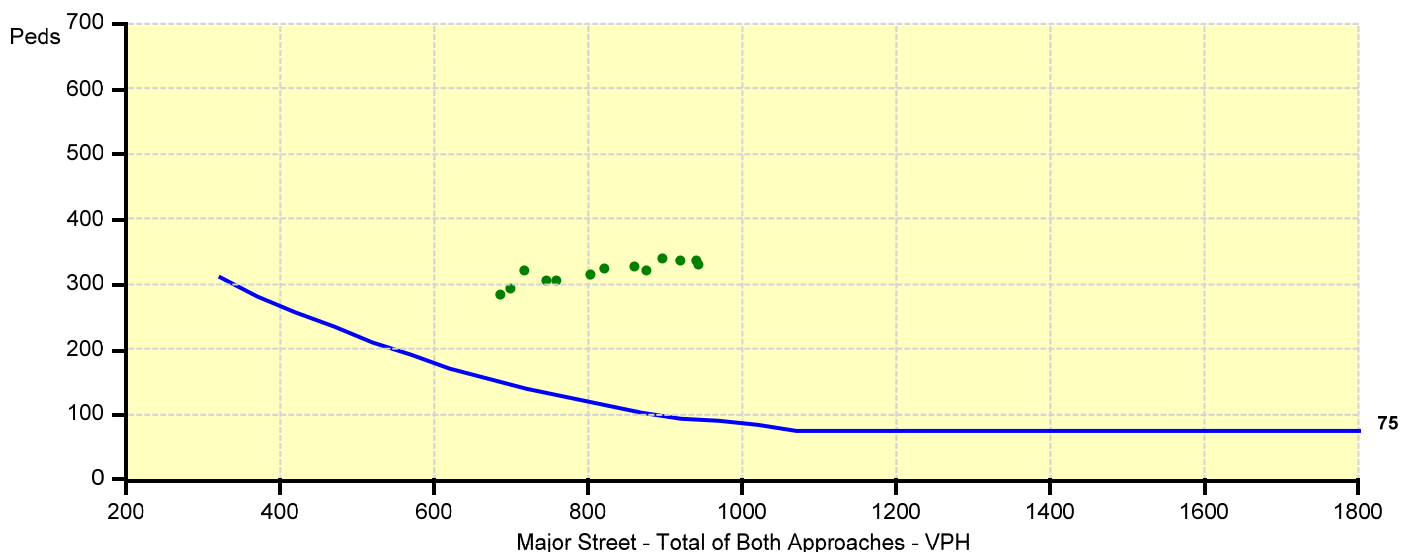
Summary

52 one hour periods meet minimums.
Warrant IS met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **1**
Number of Minor Lanes = **1**

Major Road						Minor Road		
CSAH 54						CSAH 34		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:15 - 17:15	633	+	311	=	944	330	0	Yes
16:30 - 17:30	652	+	287	=	939	336	0	Yes
16:45 - 17:45	627	+	292	=	919	336	0	Yes
16:00 - 17:00	607	+	289	=	896	339	0	Yes
15:45 - 16:45	606	+	269	=	875	320	0	Yes
17:00 - 18:00	574	+	285	=	859	326	0	Yes
15:30 - 16:30	566	+	256	=	822	324	0	Yes
17:15 - 18:15	535	+	268	=	803	316	0	Yes
15:15 - 16:15	538	+	221	=	759	306	0	Yes
15:00 - 16:00	524	+	222	=	746	305	0	Yes
17:30 - 18:30	457	+	261	=	718	320	0	Yes
14:45 - 15:45	492		207		699	293	0	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2566

Study Date : 08/19/2025

Multiway Stop Warrants - Summary

Major Street Approaches

Northbound: CSAH 54

Number of Lanes : 1

Total Approach Volume: 5,521

Southbound: CSAH 54

Number of Lanes : 1

Total Approach Volume: 3,488

Minor Street Approaches

Eastbound: CSAH 34

Number of Lanes : 1

Total Approach Volume: 4,996

Westbound: None

Number of Lanes : 2+

Total Approach Volume: 0

Warrant Summary (Rural Values Apply)

Criteria A - Interim Measure..... **Not Evaluated**
If traffic signals are justified, stop signs can be installed as an interim measure.

Criteria B - Crash Experience..... **Not Satisfied**
Number of crashes (-1) is less than minimum required (5).

Criteria C - Minimum Volumes and Delays..... **Satisfied**
Average of 8 highest hours meets or exceeds volume criteria.

Criteria D - 80% of Volumes, Delays, and Crashes..... **Not Satisfied**
Number of crashes (-1) is less than minimum required (4).
Average of 8 highest hours meets or exceeds volume criteria.

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:30 - 17:30	939	651.4	336	322.3	210	140	Yes
15:30 - 16:30	822		324				
17:30 - 18:30	718		320				
14:30 - 15:30	685		284				
07:30 - 08:30	523		403				
13:30 - 14:30	509		323				
11:00 - 12:00	487		316				
12:30 - 13:30	528		272				
08:30 - 09:30	415		363				
06:30 - 07:30	406		367				
09:45 - 10:45	431		332				
18:30 - 19:30	496		235				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:30 - 17:30	939	651.4	336	322.3	240	160	Yes
15:30 - 16:30	822		324				
17:30 - 18:30	718		320				
14:30 - 15:30	685		284				
07:30 - 08:30	523		403				
13:30 - 14:30	509		323				
11:00 - 12:00	487		316				
12:30 - 13:30	528		272				
08:30 - 09:30	415		363				
06:30 - 07:30	406		367				
09:45 - 10:45	431		332				
18:30 - 19:30	496		235				