

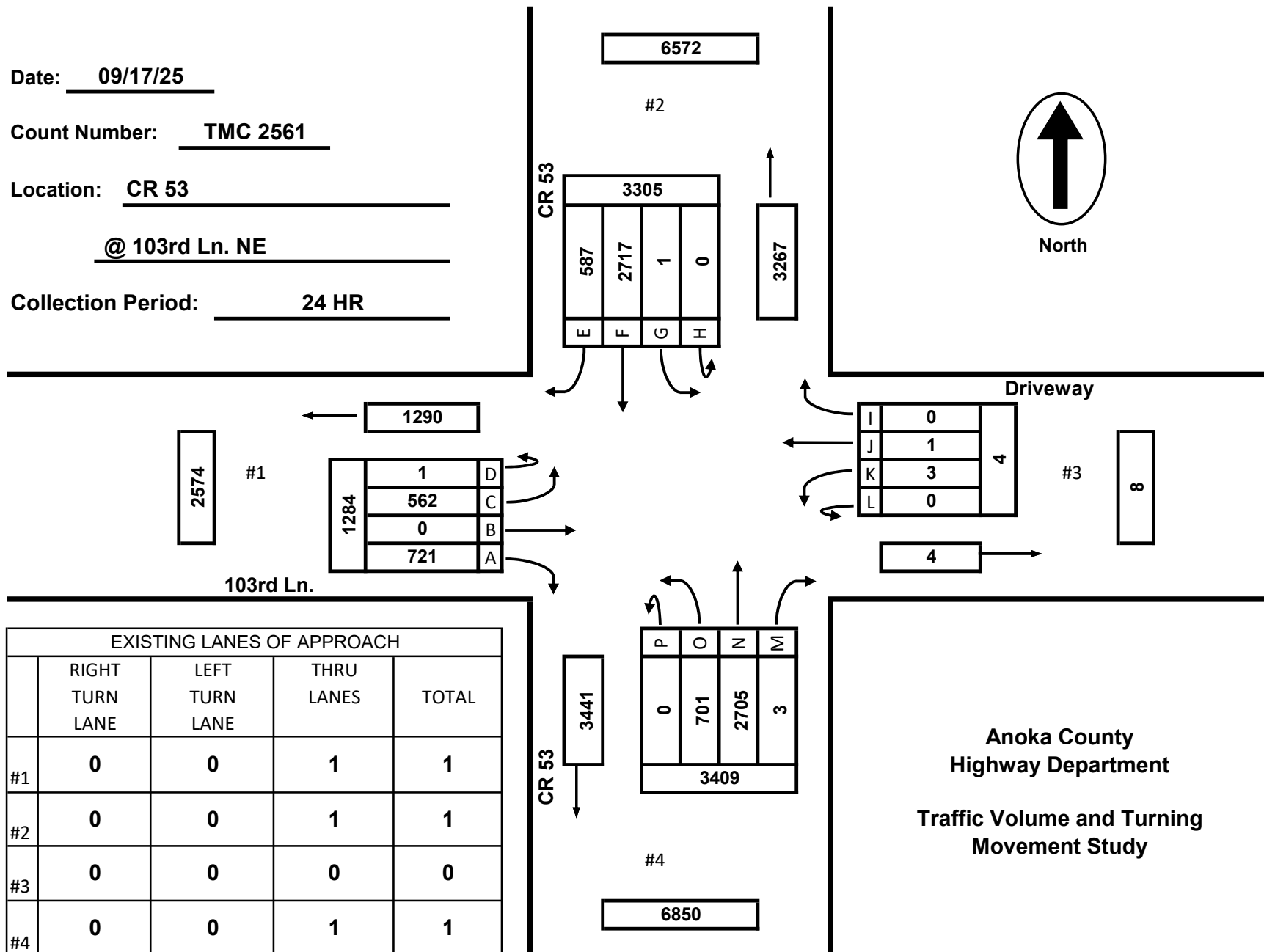
Date: 09/17/25

Count Number: TMC 2561

Location: CR 53

@ 103rd Ln. NE

Collection Period: 24 HR



Date: 09/17/25

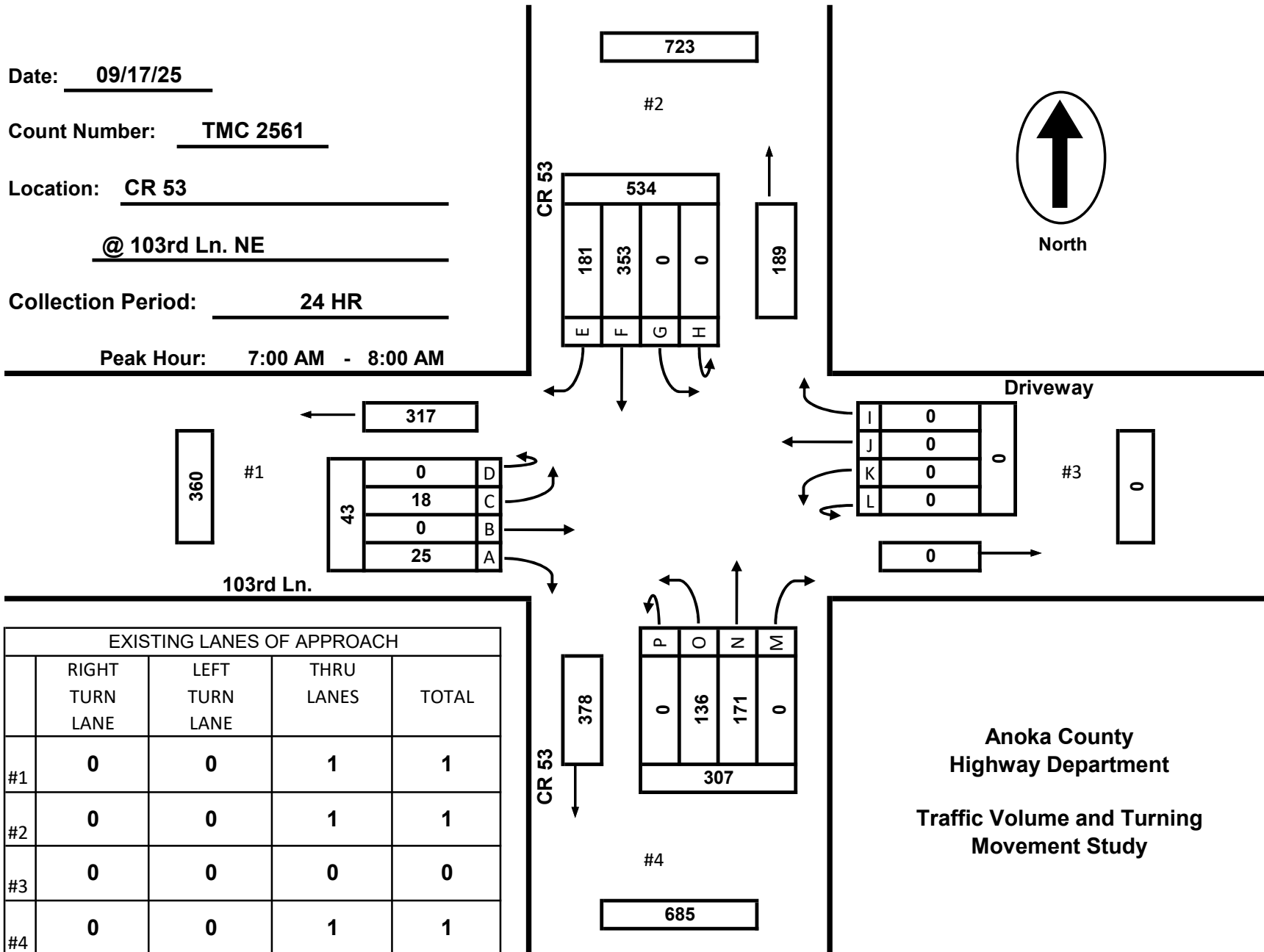
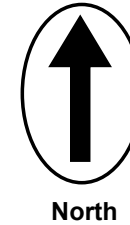
Count Number: TMC 2561

Location: CR 53

@ 103rd Ln. NE

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

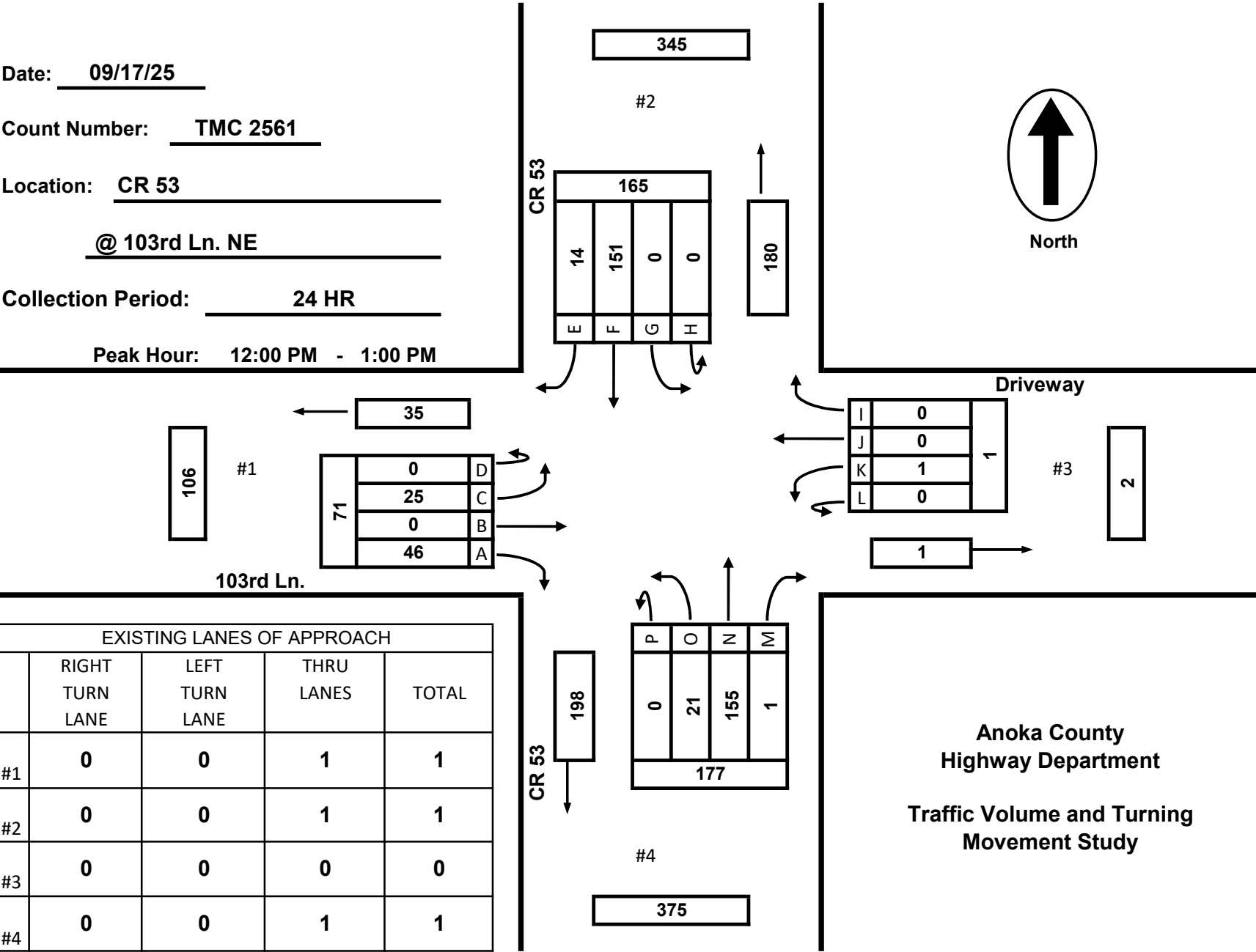
Date: 09/17/25

Count Number: TMC 2561

Location: CR 53
@ 103rd Ln. NE

Collection Period: 24 HR

Peak Hour: 12:00 PM - 1:00 PM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/17/25

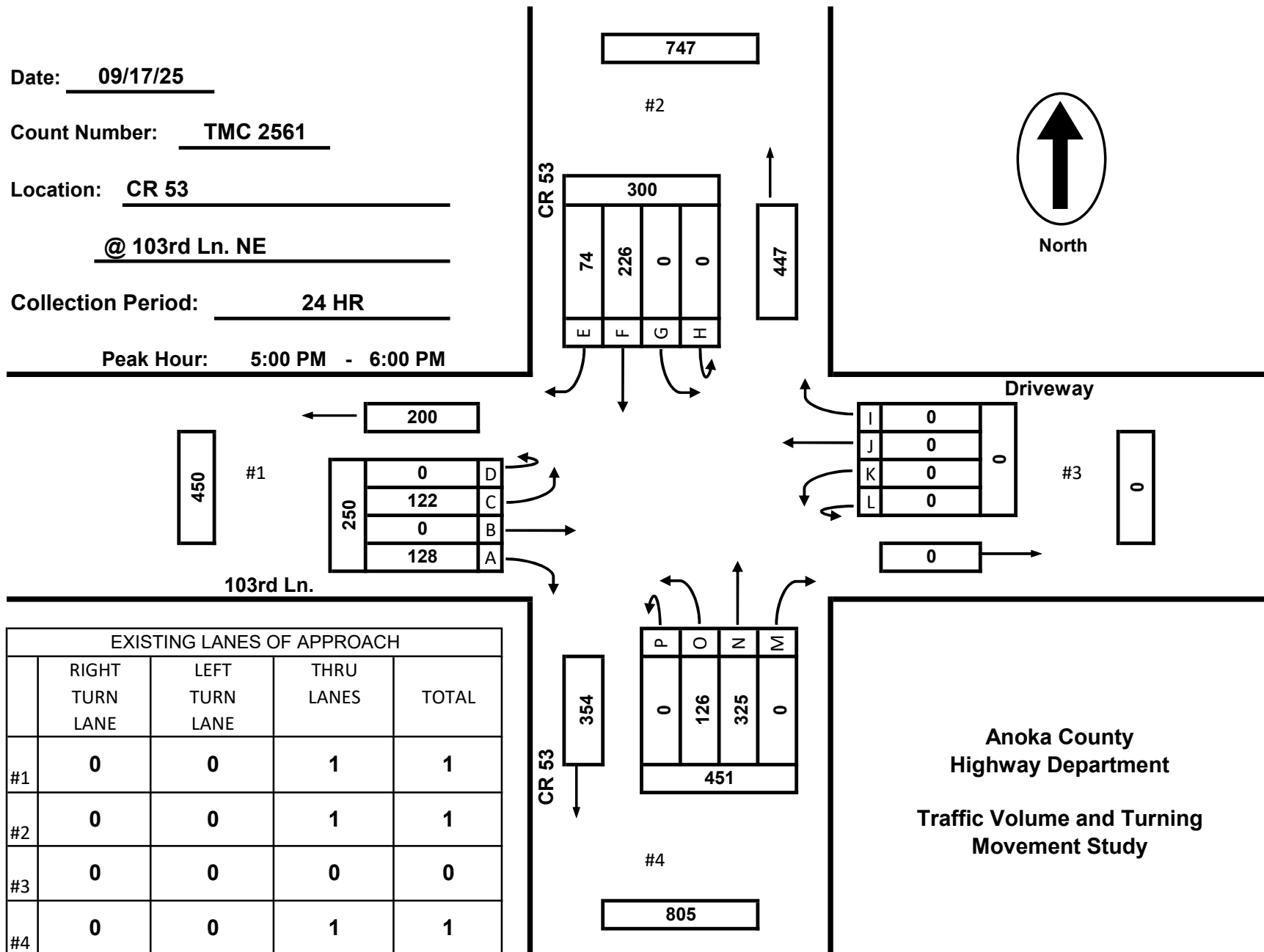
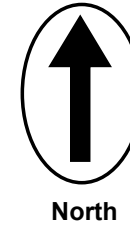
Count Number: TMC 2561

Location: CR 53

@ 103rd Ln. NE

Collection Period: 24 HR

Peak Hour: 5:00 PM - 6:00 PM



TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound CR 53						Westbound Driveway						Northbound CR 53						Eastbound 103rd Ln.						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
12:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
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	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
Hourly Total	0	0	8	0	0	8	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	13
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	3
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	3
2:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4
2:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3
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	2	0	0	2	0	0	0	0	0	0	2
Hourly Total	0	0	5	0	0	5	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	1	0	1	9
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	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:45 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	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
4:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:15 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
4:30 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
4:45 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
Hourly Total	0	0	12	0	0	12	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	15
5:00 AM	0	0	5	1	0	6	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	10
5:15 AM	0	0	9	2	0	11	0	0	0	0	0	0	0	2	2	0	0	4	0	0	0	1	0	1	16
5:30 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	1	8	0	0	9	0	0	0	2	0	2	22
5:45 AM	0	0	24	1	0	25	0	0	0	0	0	0	0	2	7	0	0	9	0	0	0	0	0	0	34
Hourly Total	0	0	49	4	0	53	0	0	0	0	0	0	0	5	20	0	0	25	0	0	0	4	0	4	82
6:00 AM	0	0	19	2	0	21	0	0	0	0	0	0	0	1	15	0	0	16	0	1	0	3	0	4	41
6:15 AM	0	0	34	1	0	35	0	1	0	0	0	1	0	2	26	0	0	28	0	2	0	2	0	4	68
6:30 AM	0	0	30	2	0	32	0	0	0	0	0	0	0	3	19	0	0	22	0	3	0	1	0	4	58
6:45 AM	0	0	46	0	0	46	0	0	0	0	0	0	0	5	28	0	0	33	0	0	0	1	0	1	80
Hourly Total	0	0	129	5	0	134	0	1	0	0	0	1	0	11	88	0	0	99	0	6	0	7	0	13	247
7:00 AM	0	0	74	8	0	82	0	0	0	0	0	0	0	6	37	0	1	43	0	1	0	4	0	5	130
7:15 AM	0	0	91	27	0	118	0	0	0	0	0	0	0	32	34	0	0	66	0	4	0	3	0	7	191
7:30 AM	0	0	111	100	1	211	0	0	0	0	0	0	0	68	39	0	0	107	0	2	0	8	1	10	328
7:45 AM	0	0	77	46	0	123	0	0	0	0	0	0	0	30	61	0	0	91	0	11	0	10	0	21	235
Hourly Total	0	0	353	181	1	534	0	0	0	0	0	0	0	136	171	0	1	307	0	18	0	25	1	43	884

TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound CR 53						Westbound Driveway						Northbound CR 53						Eastbound 103rd Ln.						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
8:00 AM	0	0	46	2	0	48	0	1	0	0	0	1	0	6	28	1	0	35	0	2	0	2	0	4	88
8:15 AM	0	0	47	3	0	50	0	0	0	0	0	0	0	7	34	0	0	41	0	3	0	3	0	6	97
8:30 AM	0	0	38	8	0	46	0	0	0	0	0	0	0	22	33	0	0	55	0	1	0	5	1	6	107
8:45 AM	0	0	57	14	0	71	0	0	0	0	0	0	0	4	44	0	0	48	0	4	0	3	0	7	126
Hourly Total	0	0	188	27	0	215	0	1	0	0	0	1	0	39	139	1	0	179	0	10	0	13	1	23	418
9:00 AM	0	0	47	7	0	54	0	0	0	0	0	0	0	3	52	0	0	55	0	5	0	10	0	15	124
9:15 AM	0	0	37	1	0	38	0	0	0	0	1	0	0	8	26	0	0	34	0	4	0	5	2	9	81
9:30 AM	0	0	31	17	0	48	0	0	0	0	0	0	0	8	33	0	0	41	0	5	0	1	4	6	95
9:45 AM	0	0	36	2	0	38	0	0	0	0	0	0	0	5	26	0	1	31	0	11	0	8	0	19	88
Hourly Total	0	0	151	27	0	178	0	0	0	0	1	0	0	24	137	0	1	161	0	25	0	24	6	49	388
10:00 AM	0	0	20	3	0	23	0	0	0	0	0	0	0	2	19	0	0	21	0	4	0	1	0	5	49
10:15 AM	0	0	24	2	0	26	0	0	0	0	0	0	0	4	26	1	0	31	0	3	0	4	0	7	64
10:30 AM	0	0	24	1	0	25	0	0	0	0	0	0	0	3	21	0	0	24	0	1	0	7	0	8	57
10:45 AM	0	0	32	1	0	33	0	0	0	0	0	0	0	3	22	0	0	25	0	21	0	23	0	44	102
Hourly Total	0	0	100	7	0	107	0	0	0	0	0	0	0	12	88	1	0	101	0	29	0	35	0	64	272
11:00 AM	0	0	23	5	0	28	0	0	0	0	0	0	0	6	27	0	0	33	0	2	0	3	0	5	66
11:15 AM	0	0	39	3	0	42	0	0	0	0	0	0	0	6	27	0	0	33	0	4	0	13	0	17	92
11:30 AM	0	0	33	6	0	39	0	0	0	0	0	0	0	9	35	0	0	44	0	0	0	4	0	4	87
11:45 AM	0	0	36	3	0	39	0	0	0	0	0	0	0	1	34	0	0	35	0	7	0	14	0	21	95
Hourly Total	0	0	131	17	0	148	0	0	0	0	0	0	0	22	123	0	0	145	0	13	0	34	0	47	340
12:00 PM	0	0	31	2	0	33	0	1	0	0	0	1	0	5	40	0	0	45	0	2	0	5	0	7	86
12:15 PM	0	0	43	2	0	45	0	0	0	0	0	0	0	4	34	1	1	39	0	1	0	8	1	9	93
12:30 PM	0	0	45	5	0	50	0	0	0	0	1	0	0	7	42	0	1	49	0	4	0	11	0	15	114
12:45 PM	0	0	32	5	0	37	0	0	0	0	2	0	0	5	39	0	0	44	0	18	0	22	0	40	121
Hourly Total	0	0	151	14	0	165	0	1	0	0	3	1	0	21	155	1	2	177	0	25	0	46	1	71	414
1:00 PM	0	0	38	3	0	41	0	0	0	0	0	0	0	3	29	0	0	32	0	3	0	6	0	9	82
1:15 PM	0	0	28	3	0	31	0	0	0	0	0	0	0	4	28	0	0	32	0	0	0	4	0	4	67
1:30 PM	0	0	40	0	0	40	0	0	0	0	0	0	0	4	28	0	0	32	0	2	0	10	0	12	84
1:45 PM	0	0	37	2	0	39	0	0	0	0	0	0	0	5	33	0	0	38	0	20	0	22	0	42	119
Hourly Total	0	0	143	8	0	151	0	0	0	0	0	0	0	16	118	0	0	134	0	25	0	42	0	67	352
2:00 PM	0	0	32	3	0	35	0	0	0	0	0	0	0	7	38	0	0	45	0	4	0	6	0	10	90
2:15 PM	0	0	45	8	0	53	0	0	0	0	0	0	0	22	39	0	0	61	1	4	0	5	0	10	124
2:30 PM	0	0	47	19	0	66	0	0	0	0	0	0	0	15	35	0	0	50	0	15	0	20	1	35	151
2:45 PM	0	0	50	12	0	62	0	0	0	0	4	0	0	12	101	0	3	113	0	37	0	46	3	83	258
Hourly Total	0	0	174	42	0	216	0	0	0	0	4	0	0	56	213	0	3	269	1	60	0	77	4	138	623
3:00 PM	0	0	51	14	0	65	0	0	0	0	0	0	0	14	44	0	0	58	0	5	0	10	0	15	138
3:15 PM	0	0	48	5	0	53	0	0	0	0	0	0	0	19	69	0	1	88	0	8	0	12	1	20	161
3:30 PM	0	0	51	9	0	60	0	0	0	0	0	0	0	10	54	0	0	64	0	6	0	11	0	17	141
3:45 PM	0	0	59	14	0	73	0	0	0	0	0	0	0	15	71	0	2	86	0	14	0	9	0	23	182
Hourly Total	0	0	209	42	0	251	0	0	0	0	0	0	0	58	238	0	3	296	0	33	0	42	1	75	622

TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound CR 53						Westbound Driveway						Northbound CR 53						Eastbound 103rd Ln.						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	0	41	5	1	46	0	0	0	0	0	0	0	10	87	0	0	97	0	5	0	2	1	7	150
4:15 PM	0	0	54	2	0	56	0	0	0	0	0	0	0	10	88	0	0	98	0	7	0	9	2	16	170
4:30 PM	0	0	59	8	0	67	0	0	0	0	0	0	0	11	88	0	0	99	0	3	0	9	0	12	178
4:45 PM	0	0	62	18	0	80	0	0	0	0	0	0	0	18	87	0	0	105	0	10	0	16	0	26	211
Hourly Total	0	0	216	33	1	249	0	0	0	0	0	0	0	49	350	0	0	399	0	25	0	36	3	61	709
5:00 PM	0	0	67	15	0	82	0	0	0	0	0	0	0	39	82	0	0	121	0	21	0	25	0	46	249
5:15 PM	0	0	59	29	1	88	0	0	0	0	0	0	0	48	95	0	0	143	0	26	0	37	1	63	294
5:30 PM	0	0	42	11	0	53	0	0	0	0	0	0	0	22	78	0	0	100	0	37	0	31	0	68	221
5:45 PM	0	0	58	19	0	77	0	0	0	0	0	0	0	17	70	0	0	87	0	38	0	35	0	73	237
Hourly Total	0	0	226	74	1	300	0	0	0	0	0	0	0	126	325	0	0	451	0	122	0	128	1	250	1001
6:00 PM	0	0	43	6	0	49	0	0	0	0	0	0	0	10	72	0	0	82	0	23	0	25	0	48	179
6:15 PM	0	0	45	7	0	52	0	0	0	0	0	0	0	17	40	0	0	57	0	7	0	6	0	13	122
6:30 PM	0	0	26	11	0	37	0	0	0	0	0	0	0	18	52	0	0	70	0	8	0	16	0	24	131
6:45 PM	0	0	36	10	0	46	0	0	1	0	0	1	0	10	47	0	0	57	0	12	0	18	0	30	134
Hourly Total	0	0	150	34	0	184	0	0	1	0	0	1	0	55	211	0	0	266	0	50	0	65	0	115	566
7:00 PM	0	1	42	4	0	47	0	0	0	0	0	0	0	3	42	0	0	45	0	9	0	15	0	24	116
7:15 PM	0	0	44	8	0	52	0	0	0	0	0	0	0	10	41	0	0	51	0	8	0	10	0	18	121
7:30 PM	0	0	34	7	0	41	0	0	0	0	0	0	0	7	33	0	0	40	0	18	0	18	0	36	117
7:45 PM	0	0	23	7	0	30	0	0	0	0	0	0	0	13	35	0	0	48	0	10	0	9	0	19	97
Hourly Total	0	1	143	26	0	170	0	0	0	0	0	0	0	33	151	0	0	184	0	45	0	52	0	97	451
8:00 PM	0	0	16	6	0	22	0	0	0	0	0	0	0	4	20	0	0	24	0	10	0	16	0	26	72
8:15 PM	0	0	26	7	1	33	0	0	0	0	0	0	0	5	26	0	0	31	0	4	0	5	1	9	73
8:30 PM	0	0	15	10	1	25	0	0	0	0	0	0	0	6	14	0	0	20	0	7	0	14	1	21	66
8:45 PM	0	0	21	9	0	30	0	0	0	0	0	0	0	6	9	0	0	15	0	2	0	3	0	5	50
Hourly Total	0	0	78	32	2	110	0	0	0	0	0	0	0	21	69	0	0	90	0	23	0	38	2	61	261
9:00 PM	0	0	24	3	0	27	0	0	0	0	0	0	0	2	12	0	0	14	0	20	0	17	0	37	78
9:15 PM	0	0	10	1	0	11	0	0	0	0	0	0	0	1	19	0	0	20	0	8	0	3	0	11	42
9:30 PM	0	0	15	2	0	17	0	0	0	0	0	0	0	2	11	0	0	13	0	2	0	5	0	7	37
9:45 PM	0	0	8	2	0	10	0	0	0	0	0	0	0	3	10	0	0	13	0	2	0	3	0	5	28
Hourly Total	0	0	57	8	0	65	0	0	0	0	0	0	0	8	52	0	0	60	0	32	0	28	0	60	185
10:00 PM	0	0	12	3	0	15	0	0	0	0	0	0	0	5	5	0	0	10	0	0	0	2	0	2	27
10:15 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	10	0	0	10	0	13	0	12	0	25	43
10:30 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	10	0	0	10	0	4	0	1	0	5	20
10:45 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	4	0	0	4	0	3	0	1	0	4	13
Hourly Total	0	0	30	3	0	33	0	0	0	0	0	0	0	5	29	0	0	34	0	20	0	16	0	36	103
11:00 PM	0	0	10	1	0	11	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	14
11:15 PM	0	0	1	0	0	1	0	0	0	0	1	0	0	1	5	0	0	6	0	1	0	0	0	1	8
11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	7	0	7	11
11:45 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	7
Hourly Total	0	0	12	2	0	14	0	0	0	0	1	0	0	3	15	0	0	18	0	1	0	7	0	8	40
DAILY TOTAL	0	1	2717	587	5	3305	0	3	1	0	9	4	0	701	2705	3	10	3409	1	562	0	721	20	1284	8002
Cars	0	1	2661	577	5	3239	0	3	1	0	8	4	0	678	2624	3	8	3305	1	542	0	702	17	1245	7793
Heavy Vehicles	0	0	56	10	0	66	0	0	0	0	1	0	0	23	81	0	2	104	0	20	0	19	3	39	209
Heavy Vehicle %	0.00%	0.00%	2.06%	1.70%	0.00%	2.00%	0.00%	0.00%	0.00%	0.00%	11.11%	0.00%	0.00%	3.28%	2.99%	0.00%	20.00%	3.05%	0.00%	3.56%	0.00%	2.64%	15.00%	3.04%	2.61%

TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 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	
7:00 AM	0	0	74	8	0	82	0	0	0	0	0	0	0	6	37	0	1	43	0	1	0	4	0	5	130
7:15 AM	0	0	91	27	0	118	0	0	0	0	0	0	0	32	34	0	0	66	0	4	0	3	0	7	191
7:30 AM	0	0	111	100	1	211	0	0	0	0	0	0	0	68	39	0	0	107	0	2	0	8	1	10	328
7:45 AM	0	0	77	46	0	123	0	0	0	0	0	0	0	30	61	0	0	91	0	11	0	10	0	21	235
Peak Hour Total	0	0	353	181	1	534	0	0	0	0	0	0	0	136	171	0	1	307	0	18	0	25	1	43	884
Peak Hour Heavy Vehicles	0	0	12	3	0	15	0	0	0	0	0	0	0	7	29	0	0	36	0	9	0	3	0	12	63
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	3.40%	1.66%	0.00%	2.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.15%	16.96%	0.00%	0.00%	11.73%	0.00%	50.00%	0.00%	12.00%	0.00%	27.91%	7.13%
	0.000	0.000	0.795	0.453	0.250	0.633	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.701	0.000	0.250	0.717	0.000	0.409	0.000	0.625	0.250	0.512	0.674

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	
12:00 PM	0	0	31	2	0	33	0	1	0	0	0	1	0	5	40	0	0	45	0	2	0	5	0	7	86
12:15 PM	0	0	43	2	0	45	0	0	0	0	0	0	0	4	34	1	1	39	0	1	0	8	1	9	93
12:30 PM	0	0	45	5	0	50	0	0	0	0	1	0	0	7	42	0	1	49	0	4	0	11	0	15	114
12:45 PM	0	0	32	5	0	37	0	0	0	0	2	0	0	5	39	0	0	44	0	18	0	22	0	40	121
Peak Hour Total	0	0	151	14	0	165	0	1	0	0	3	1	0	21	155	1	2	177	0	25	0	46	1	71	414
Peak Hour Heavy Vehicles	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	4
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.66%	7.14%	0.00%	1.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.65%	0.00%	0.00%	0.56%	0.00%	4.00%	0.00%	0.00%	0.00%	1.41%	0.97%
	0.000	0.000	0.839	0.700	0.000	0.825	0.000	0.250	0.000	0.000	0.375	0.250	0.000	0.750	0.923	0.250	0.500	0.903	0.000	0.347	0.000	0.523	0.250	0.444	0.855

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	
5:00 PM	0	0	67	15	0	82	0	0	0	0	0	0	0	39	82	0	0	121	0	21	0	25	0	46	249
5:15 PM	0	0	59	29	1	88	0	0	0	0	0	0	0	48	95	0	0	143	0	26	0	37	1	63	294
5:30 PM	0	0	42	11	0	53	0	0	0	0	0	0	0	22	78	0	0	100	0	37	0	31	0	68	221
5:45 PM	0	0	58	19	0	77	0	0	0	0	0	0	0	17	70	0	0	87	0	38	0	35	0	73	237
Peak Hour Total	0	0	226	74	1	300	0	0	0	0	0	0	0	126	325	0	0	451	0	122	0	128	1	250	1001
Peak Hour 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
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.44%	0.00%	0.00%	0.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%
	0.000	0.000	0.843	0.638	0.250	0.852	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.656	0.855	0.000	0.000	0.788	0.000	0.803	0.000	0.865	0.250	0.856	0.851

Total Vehicles On Leg			6572		
Vehicles Entering Intersection 3305			Vehicles Exiting Intersection 3267		
Southbound					
Cars	577	2661	1	0	5
Heavy	10	56	0	0	0
Total	587	2717	1	0	5



Total Vehicles on Leg 2574	Vehicles Entering Intersection 1284	Eastbound	Cars	Heavy	Total
			17	3	20
			1	0	1
	Vehicles Exiting Intersection 1290		542	20	562
			0	0	0
			702	19	721



Daily Volumes



Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 4	Total Vehicles on Leg 8
0	0	0			
1	0	1			
3	0	3			
0	0	0		Vehicles Exiting Intersection 4	
8	1	9			

Cars	8	0	678	2624	3
Heavy	2	0	23	81	0
Total	10	0	701	2705	3
Northbound					
Vehicles Entering Intersection 3409			Vehicles Exiting Intersection 3441		
Total Vehicles On Leg			6850		

TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound Heavy CR 53						Westbound Heavy Driveway						Northbound Heavy CR 53						Eastbound Heavy 103rd Ln.						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	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	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	1	0	0	1	1
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	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	1	0	0	1	1
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	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	2
6:30 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
6:45 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	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	0	0	0	0	0	0	3
7:15 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
7:30 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	3	6	0	0	9	0	0	0	0	0	0	19
7:45 AM	0	0	1	3	0	4	0	0	0	0	0	0	0	4	18	0	0	22	0	9	0	3	0	12	38
Hourly 'Heavy Vehicles'	0	0	12	3	0	15	0	0	0	0	0	0	0	7	29	0	1	36	0	9	0	3	0	12	63

TMC 2561 - CR 53 @ 103rd Ln. NE
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound Heavy CR 53						Westbound Heavy Driveway						Northbound Heavy CR 53						Eastbound Heavy 103rd Ln.						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	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	4
8:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	2	3	
8:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	0	6	1	0	7	0	0	0	0	0	0	0	0	6	0	0	0	6	0	1	0	2	0	3	16
9:00 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	1	0	0	1	5
9:15 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	0	1
9:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
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	0
Hourly 'Heavy Vehicles'	0	0	2	1	0	3	0	0	0	0	0	0	0	0	3	0	0	0	3	0	1	0	1	0	2	8
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	0	0	0	3
10:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	4
10:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10:45 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	0	1
Hourly 'Heavy Vehicles'	0	0	4	1	0	5	0	0	0	0	0	0	0	1	3	0	0	0	4	0	0	0	0	0	0	9
11:00 AM	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
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	3
11:45 AM	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	1	0	0	1	0	0	0	0	0	0	0	2	2	0	0	0	4	0	0	0	1	0	1	6
12:00 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
12:15 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
12:30 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
12:45 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	1
Hourly 'Heavy Vehicles'	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	4
1:00 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
1:15 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	5
1:30 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
1:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	5	0	0	5	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	10
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3	0	0	0	0	0	0	3
2:15 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	9	0	0	0	0	9	0	1	0	0	0	1	13
2:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	0	3	0	6	0	3	1	9	13
2:45 PM	0	0	2	0	0	2	0	0	0	0	1	0	0	0	16	0	1	16	0	1	0	0	2	1	1	19
Hourly 'Heavy Vehicles'	0	0	5	1	0	6	0	0	0	0	1	0	0	11	20	0	1	31	0	8	0	3	3	11	48	
3:00 PM	0	0	4	1	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6	
3:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	2	0	2	6	
3:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	4	
3:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	
Hourly 'Heavy Vehicles'	0	0	8	2	0	10	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	3	0	3	19	

Wednesday, September 17, 2025

[illegible]

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2561
Date	09/17/2025
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (N/S Road)	CR 53	Minor Street (E/W Road)	103rd Ln.
Analyzed with	1 approach lane	Analyzed with	1 Approach Lane
Total Approach Volume	6714 vehicles	Total Approach Volume	1288 vehicles
Total Ped/Bike Volume	15 crossings	Total Ped/Bike Volume	29 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0 percent applied

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

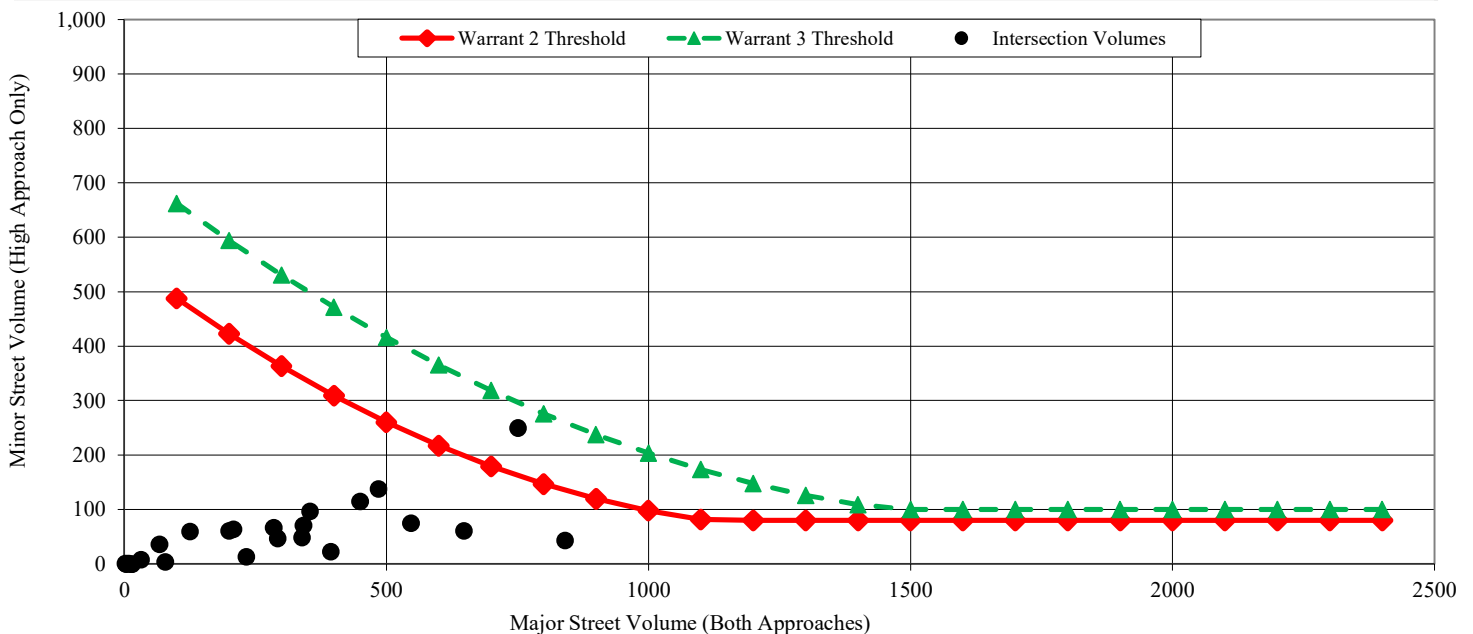
Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Not Satisfied	Not Satisfied
Required values reached for	1 hour	1 hour	2 (Cond. A) & 2 (Cond. B)
Criteria - Major Street (veh/hr)	500	750	400 (Cond. A) & 600 (Cond. B)
Criteria - Minor Street (veh/hr)	150	75	120 (Cond. A) & 60 (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	1 hour
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Examined	Not Satisfied
Required values reached for		0 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-1 (Warrant 2) & Figure 4C-3 (Warrant 3)



Traffic Signal Warrant Analysis

Multi-Way Stop Warrants

TMC	2561
Date	09/17/2025
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (N/S Road)	CR 53	Minor Street (E/W Road)	103rd Ln.
Analyzed with	1 approach lane	Analyzed with	1 Approach Lane
Total Approach Volume	6714 vehicles	Total Approach Volume	1288 vehicles
Total Ped/Bike Volume	15 crossings	Total Ped/Bike Volume	29 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0 percent applied

No high speed or isolated community reduction applied to the Multi-Way Stop Warrant thresholds.

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	1 hour & sec. average delay/veh
Criteria - Major Street (veh/hr)	300 for any 8 hours of an average day
Criteria - Minor Street (total vol-veh, ped, & bikes/hr)	200 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)	