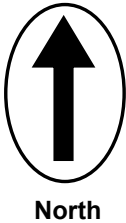
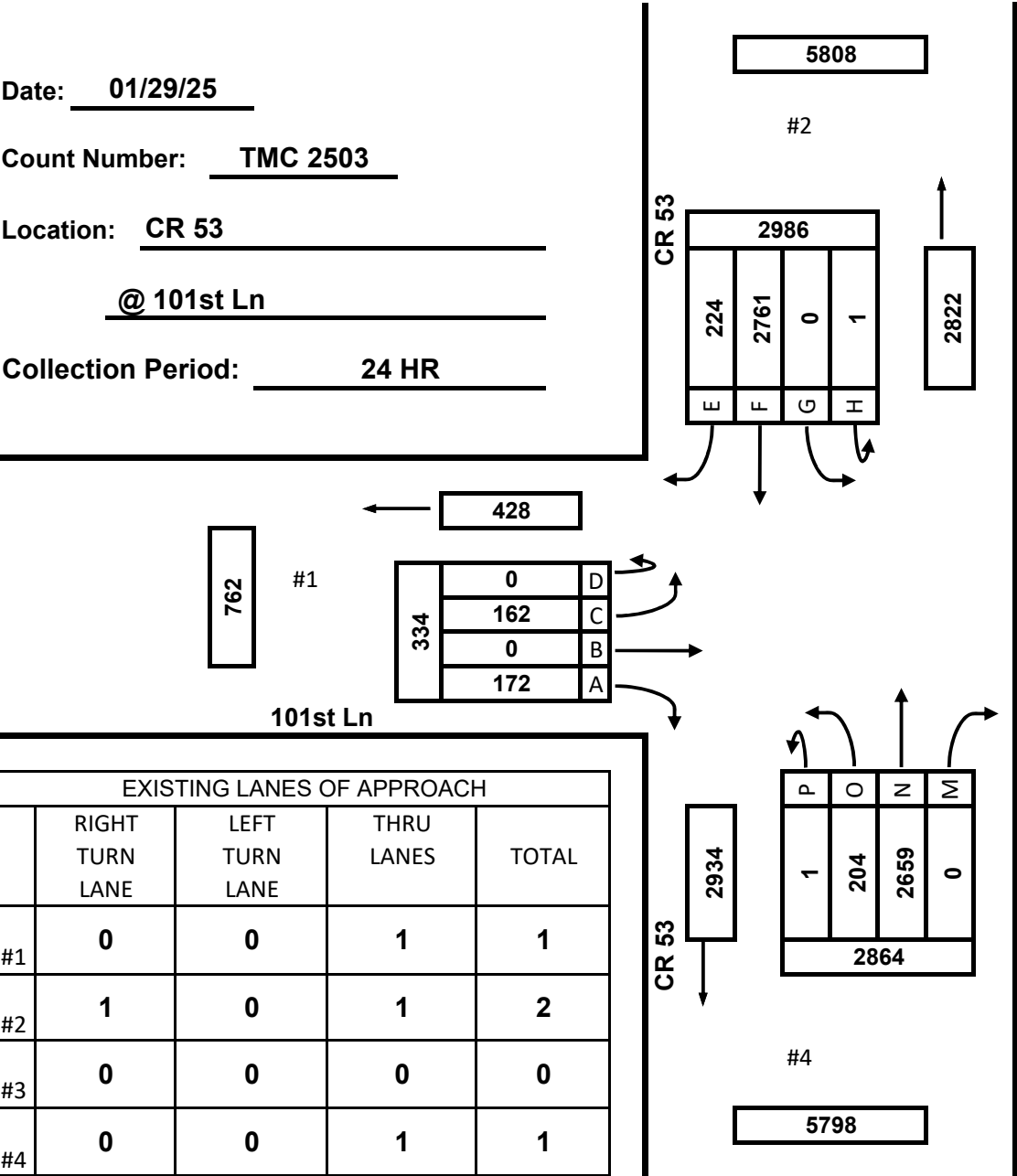


Date: 01/29/25

Count Number: TMC 2503

Location: CR 53
@ 101st Ln

Collection Period: 24 HR



**Anoka County
Highway Department**

**Traffic Volume and Turning
Movement Study**

Date: 01/29/25

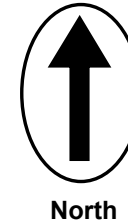
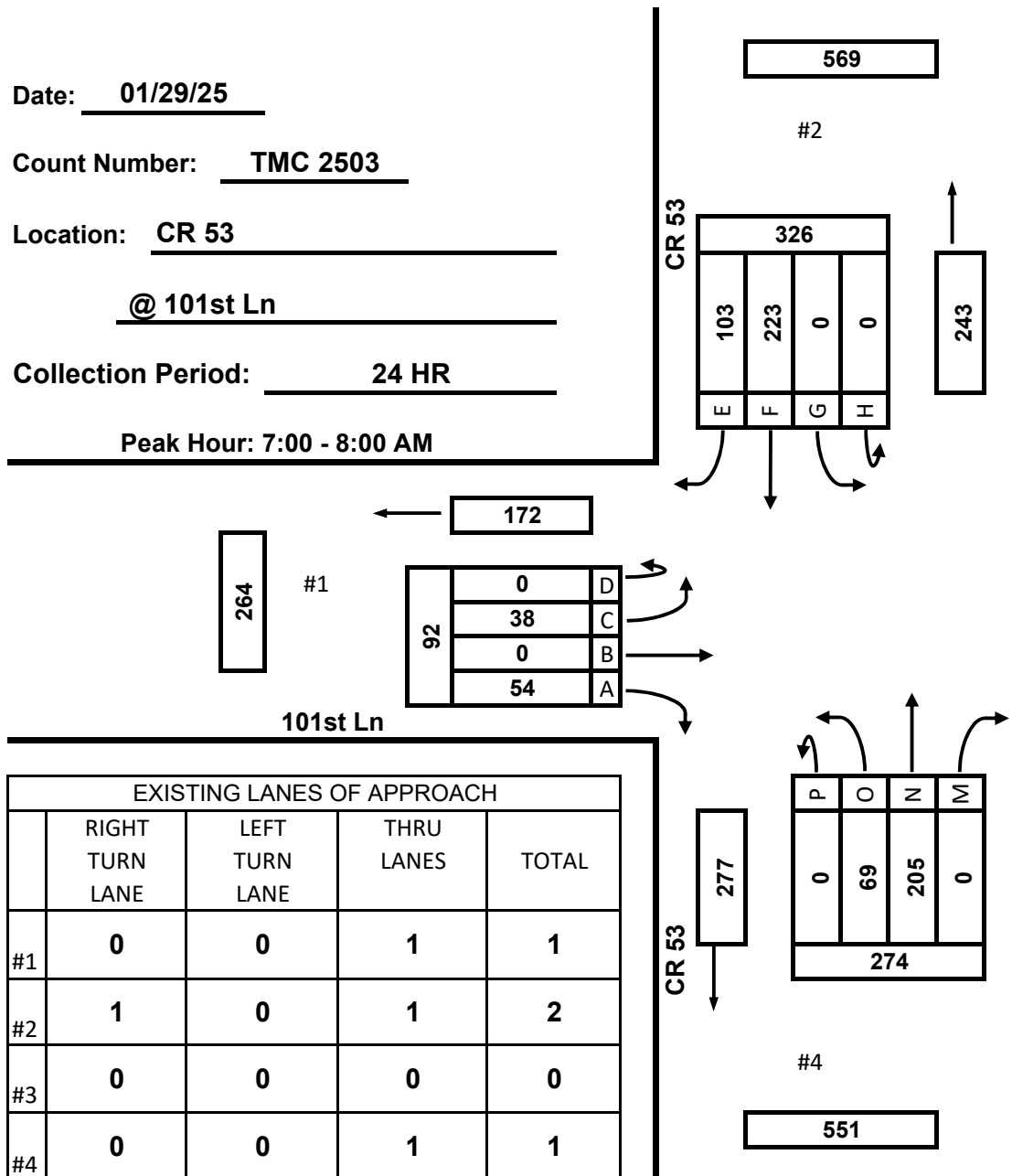
Count Number: TMC 2503

Location: CR 53

@ 101st Ln

Collection Period: 24 HR

Peak Hour: 7:00 - 8:00 AM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

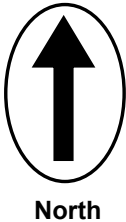
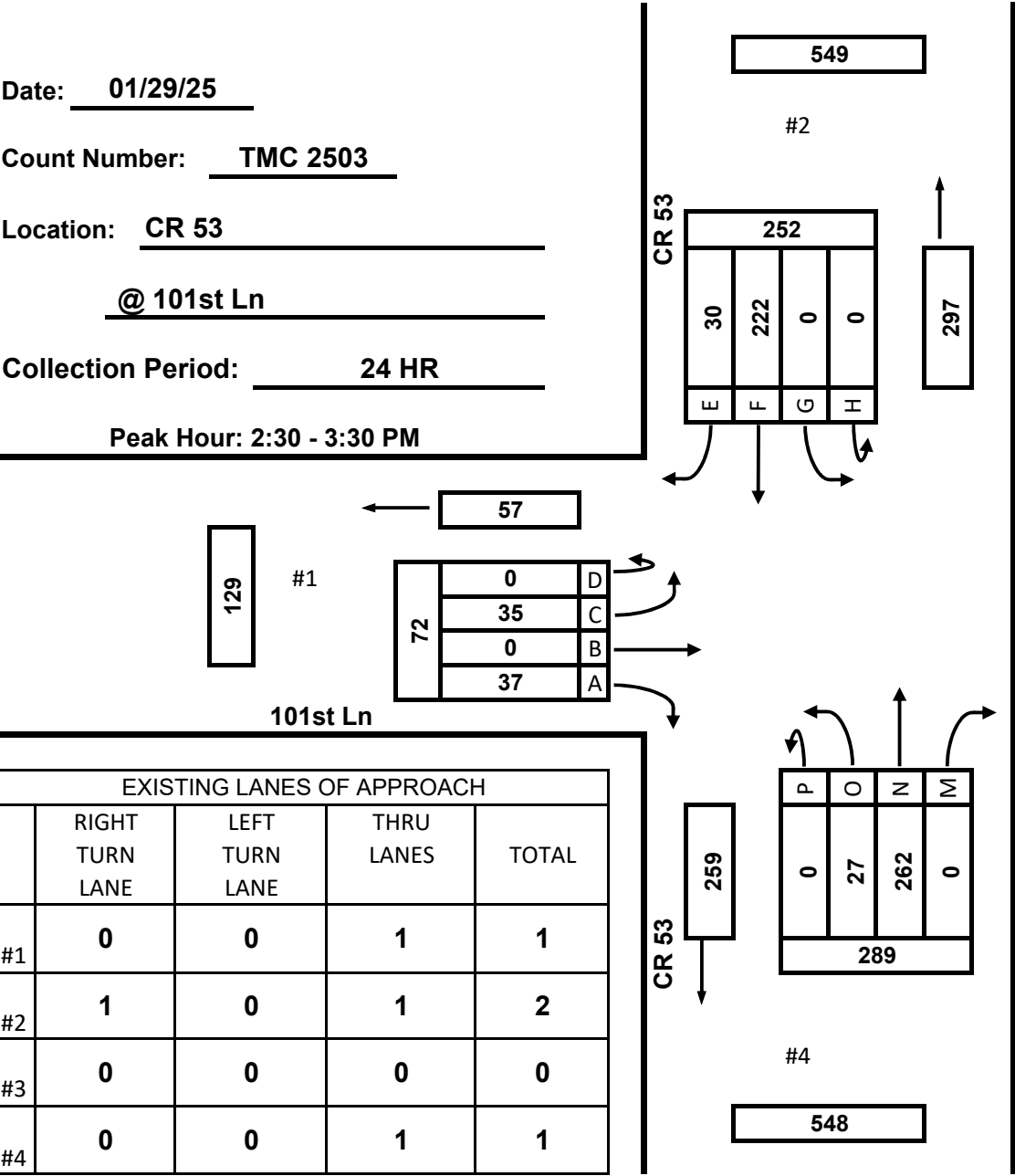
Date: 01/29/25

Count Number: TMC 2503

Location: CR 53
@ 101st Ln

Collection Period: 24 HR

Peak Hour: 2:30 - 3:30 PM



Anoka County
 Highway Department

Traffic Volume and Turning
 Movement Study

TMC 2503 - CR 53 @ 101st Ln

Blaine MN

Wednesday, January 29, 2025

Time	Southbound CR 53						Westbound None						Northbound CR 53						Eastbound 101st 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	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5
12:15 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
12:30 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
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	4
Hourly Total	0	0	4	0	0	4	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	1	0	1	11
1:00 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
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
1:30 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	1
1:45 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 Total	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
2:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
2:45 AM	0	0	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	7	0	0	7	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	9
3:00 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
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
3:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
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 Total	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
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	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	5
4:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
4:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	7
Hourly Total	0	0	14	0	0	14	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	1	18
5:00 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	14
5:15 AM	0	0	14	1	0	15	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	20
5:30 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	21
5:45 AM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	1	0	1	32
Hourly Total	0	0	52	1	0	53	0	0	0	0	0	0	0	0	33	0	0	33	0	0	0	1	0	1	87
6:00 AM	0	0	17	1	0	18	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	24
6:15 AM	0	0	31	2	0	33	0	0	0	0	0	0	0	4	15	0	0	19	0	1	0	4	0	5	57
6:30 AM	0	0	33	2	0	35	0	0	0	0	0	0	0	4	25	0	0	29	0	1	0	1	0	2	66
6:45 AM	0	0	40	2	0	42	0	0	0	0	0	0	0	1	30	0	0	31	0	0	0	1	0	1	74
Hourly Total	0	0	121	7	0	128	0	0	0	0	0	0	0	9	76	0	0	85	0	2	0	6	0	8	221
7:00 AM	0	0	47	5	0	52	0	0	0	0	0	0	0	4	30	0	0	34	0	0	0	0	0	0	86
7:15 AM	0	0	59	17	0	76	0	0	0	0	0	0	0	11	46	0	0	57	0	4	0	8	0	12	145
7:30 AM	0	0	47	52	0	99	0	0	0	0	0	0	0	28	79	0	1	107	0	26	0	25	1	51	257
7:45 AM	0	0	70	29	0	99	0	0	0	0	0	0	0	26	50	0	0	76	0	8	0	21	0	29	204
Hourly Total	0	0	223	103	0	326	0	0	0	0	0	0	0	69	205	0	1	274	0	38	0	54	1	92	692

**TMC 2503 - CR 53 @ 101st Ln
Blaine MN**

Wednesday, January 29, 2025

Time	Southbound CR 53						Westbound None						Northbound CR 53						Eastbound 101st Ln						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	
8:00 AM	0	0	36	2	0	38	0	0	0	0	0	0	0	8	29	0	0	37	0	1	0	5	0	6	81
8:15 AM	0	0	32	2	0	34	0	0	0	0	0	0	0	2	27	0	0	29	0	0	0	2	0	2	65
8:30 AM	0	0	37	3	0	40	0	0	0	0	0	0	0	4	31	0	0	35	0	3	0	1	0	4	79
8:45 AM	0	0	61	3	0	64	0	0	0	0	0	0	0	3	37	0	0	40	0	5	0	1	0	6	110
Hourly Total	0	0	166	10	0	176	0	0	0	0	0	0	0	17	124	0	0	141	0	9	0	9	0	18	335
9:00 AM	0	0	55	2	0	57	0	0	0	0	0	0	0	2	31	0	1	33	0	2	0	0	0	2	92
9:15 AM	0	0	47	0	0	47	0	0	0	0	0	0	0	2	46	0	0	48	0	1	0	5	0	6	101
9:30 AM	0	0	26	3	0	29	0	0	0	0	0	0	0	2	28	0	0	30	0	1	0	1	0	2	61
9:45 AM	0	0	40	2	0	42	0	0	0	0	0	0	0	3	35	0	0	38	0	6	0	1	0	7	87
Hourly Total	0	0	168	7	0	175	0	0	0	0	0	0	0	9	140	0	1	149	0	10	0	7	0	17	341
10:00 AM	0	0	35	1	0	36	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	2	0	2	57
10:15 AM	0	0	19	2	0	21	0	0	0	0	0	0	0	1	28	0	0	29	0	2	0	2	0	4	54
10:30 AM	0	0	23	3	0	26	0	0	0	0	0	0	0	0	27	0	0	27	0	0	0	2	0	2	55
10:45 AM	0	0	35	2	0	37	0	0	0	0	0	0	0	1	22	0	0	23	0	6	0	3	0	9	69
Hourly Total	0	0	112	8	0	120	0	0	0	0	0	0	0	2	96	0	0	98	0	8	0	9	0	17	235
11:00 AM	0	0	34	2	0	36	0	0	0	0	0	0	1	0	26	0	0	27	0	1	0	1	0	2	65
11:15 AM	0	0	42	2	0	44	0	0	0	0	0	0	0	2	40	0	1	42	0	5	0	0	0	5	91
11:30 AM	0	0	35	3	0	38	0	0	0	0	0	0	0	1	27	0	0	28	0	2	0	0	0	2	68
11:45 AM	0	0	26	4	0	30	0	0	0	0	0	0	0	0	28	0	1	28	0	2	0	2	0	4	62
Hourly Total	0	0	137	11	0	148	0	0	0	0	0	0	1	3	121	0	2	125	0	10	0	3	0	13	286
12:00 PM	0	0	38	4	0	42	0	0	0	0	0	0	0	2	28	0	0	30	0	0	0	0	0	0	72
12:15 PM	0	0	42	1	0	43	0	0	0	0	0	0	0	2	30	0	0	32	0	1	0	1	0	2	77
12:30 PM	0	0	29	0	0	29	0	0	0	0	0	0	0	2	24	0	2	26	0	2	0	1	2	3	58
12:45 PM	0	0	34	3	0	37	0	0	0	0	0	0	0	1	28	0	0	29	0	6	0	5	0	11	77
Hourly Total	0	0	143	8	0	151	0	0	0	0	0	0	0	7	110	0	2	117	0	9	0	7	2	16	284
1:00 PM	0	0	31	0	0	31	0	0	0	0	0	0	0	1	33	0	0	34	0	2	0	1	0	3	68
1:15 PM	0	0	22	3	0	25	0	0	0	0	0	0	0	0	30	0	0	30	0	0	0	1	0	1	56
1:30 PM	0	0	36	3	0	39	0	0	0	0	0	0	0	2	28	0	0	30	0	1	0	4	0	5	74
1:45 PM	0	0	46	2	0	48	0	0	0	0	0	0	0	4	27	0	0	31	0	2	0	1	0	3	82
Hourly Total	0	0	135	8	0	143	0	0	0	0	0	0	0	7	118	0	0	125	0	5	0	7	0	12	280
2:00 PM	0	0	32	3	0	35	0	0	0	0	0	0	0	5	36	0	0	41	0	1	0	1	0	2	78
2:15 PM	0	0	25	1	0	26	0	0	0	0	0	0	0	11	48	0	0	59	0	0	0	3	0	3	88
2:30 PM	0	0	45	12	0	57	0	0	0	0	0	0	0	14	63	0	0	77	0	5	0	8	0	13	147
2:45 PM	0	0	75	13	0	88	0	0	0	0	0	0	0	7	90	0	3	97	0	20	0	25	0	45	230
Hourly Total	0	0	177	29	0	206	0	0	0	0	0	0	0	37	237	0	3	274	0	26	0	37	0	63	543
3:00 PM	0	0	51	4	0	55	0	0	0	0	0	0	0	3	50	0	0	53	0	2	0	3	1	5	113
3:15 PM	0	0	51	1	0	52	0	0	0	0	0	0	0	3	59	0	0	62	0	8	0	1	0	9	123
3:30 PM	0	0	62	1	0	63	0	0	0	0	0	0	0	2	46	0	0	48	0	2	0	0	0	2	113
3:45 PM	0	0	50	2	0	52	0	0	0	0	0	0	0	2	88	0	0	90	0	2	0	2	0	4	146
Hourly Total	0	0	214	8	0	222	0	0	0	0	0	0	0	10	243	0	0	253	0	14	0	6	1	20	495

**TMC 2503 - CR 53 @ 101st Ln
Blaine MN**

Wednesday, January 29, 2025

Time	Southbound CR 53						Westbound None						Northbound CR 53						Eastbound 101st 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	54	4	0	58	0	0	0	0	0	0	0	3	84	0	0	87	0	3	0	4	0	7	152
4:15 PM	0	0	79	0	0	79	0	0	0	0	0	0	0	0	79	0	0	79	0	0	0	2	0	2	160
4:30 PM	0	0	57	0	0	57	0	0	0	0	0	0	0	2	75	0	0	77	0	2	0	0	0	2	136
4:45 PM	0	0	54	0	0	54	0	0	0	0	0	0	0	3	76	0	0	79	0	0	0	1	0	1	134
Hourly Total	0	0	244	4	0	248	0	0	0	0	0	0	0	8	314	0	0	322	0	5	0	7	0	12	582
5:00 PM	0	0	56	5	0	61	0	0	0	0	0	0	0	4	76	0	0	80	0	1	0	5	0	6	147
5:15 PM	0	0	67	4	0	71	0	0	0	0	0	0	0	2	90	0	0	92	0	5	0	3	0	8	171
5:30 PM	0	0	77	2	0	79	0	0	0	0	0	0	0	2	67	0	0	69	0	1	0	0	0	1	149
5:45 PM	0	0	50	0	0	50	0	0	0	0	0	0	0	1	67	0	0	68	0	1	0	0	0	1	119
Hourly Total	0	0	250	11	0	261	0	0	0	0	0	0	0	9	300	0	0	309	0	8	0	8	0	16	586
6:00 PM	0	0	41	2	0	43	0	0	0	0	0	0	0	3	61	0	0	64	0	1	0	0	0	1	108
6:15 PM	0	0	43	1	0	44	0	0	0	0	0	0	0	0	48	0	0	48	0	4	0	3	0	7	99
6:30 PM	0	0	38	1	0	39	0	0	0	0	0	0	0	1	50	0	0	51	0	0	0	2	0	2	92
6:45 PM	0	0	51	1	0	52	0	0	0	0	0	0	0	0	35	0	0	35	0	3	0	0	0	3	90
Hourly Total	0	0	173	5	0	178	0	0	0	0	0	0	0	4	194	0	0	198	0	8	0	5	0	13	389
7:00 PM	0	0	46	0	0	46	0	0	0	0	0	0	0	1	29	0	0	30	0	1	0	1	0	2	78
7:15 PM	0	0	64	1	0	65	0	0	0	0	0	0	0	3	33	0	0	36	0	1	0	1	0	2	103
7:30 PM	0	0	34	1	0	35	0	0	0	0	0	0	0	0	40	0	0	40	0	1	0	0	0	1	76
7:45 PM	0	0	29	0	0	29	0	0	0	0	0	0	0	0	31	0	0	31	0	0	0	0	0	0	60
Hourly Total	0	0	173	2	0	175	0	0	0	0	0	0	0	4	133	0	0	137	0	3	0	2	0	5	317
8:00 PM	0	0	17	0	0	17	0	0	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	64
8:15 PM	0	0	26	1	0	27	0	0	0	0	0	0	0	0	18	0	0	18	0	1	0	0	0	1	46
8:30 PM	0	0	47	0	0	47	0	0	0	0	0	0	0	1	17	0	0	18	0	2	0	0	0	2	67
8:45 PM	0	0	19	1	0	20	0	0	0	0	0	0	0	1	22	0	0	23	0	0	0	0	0	0	43
Hourly Total	0	0	109	2	0	111	0	0	0	0	0	0	0	2	104	0	0	106	0	3	0	0	0	3	220
9:00 PM	0	0	30	0	0	30	0	0	0	0	0	0	0	1	15	0	0	16	0	2	0	3	0	5	51
9:15 PM	0	0	17	0	0	17	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	0	0	0	36
9:30 PM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	21
9:45 PM	0	0	26	0	0	26	0	0	0	0	0	0	0	1	13	0	0	14	0	0	0	0	0	0	40
Hourly Total	0	0	86	0	0	86	0	0	0	0	0	0	0	2	55	0	0	57	0	2	0	3	0	5	148
10:00 PM	0	0	17	0	0	17	0	0	0	0	0	0	0	1	12	0	0	13	0	1	0	0	0	1	31
10:15 PM	0	0	9	0	0	9	0	0	0	0	0	0	0	1	6	0	0	7	0	0	0	0	0	0	16
10:30 PM	1	0	6	0	0	7	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	14
10:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
Hourly Total	1	0	35	0	0	36	0	0	0	0	0	0	0	2	26	0	0	28	0	1	0	0	0	1	65
11:00 PM	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
11:15 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	11
11:30 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	10
11:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	8
Hourly Total	0	0	13	0	0	13	0	0	0	0	0	0	0	2	17	0	0	19	0	0	0	0	0	0	32
DAILY TOTAL	1	0	2761	224	0	2986	0	0	0	0	0	0	1	204	2659	0	9	2864	0	162	0	172	4	334	6184
Cars	1	0	2713	211	0	2925	0	0	0	0	0	0	1	185	2563	0	9	2749	0	157	0	172	3	329	6003
Heavy Vehicles	0	0	48	13	0	61	0	0	0	0	0	0	0	19	96	0	0	115	0	5	0	0	1	5	181
Heavy Vehicle %	0.00%	0.00%	1.74%	5.80%	0.00%	2.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.31%	3.61%	0.00%	0.00%	4.02%	0.00%	3.09%	0.00%	0.00%	25.00%	1.50%	2.93%

TMC 2503 - CR 53 @ 101st Ln
Blaine MN

Wednesday, January 29, 2025

AM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:00 AM	0	0	47	5	0	52	0	0	0	0	0	0	0	4	30	0	0	34	0	0	0	0	0	0	86
7:15 AM	0	0	59	17	0	76	0	0	0	0	0	0	0	11	46	0	0	57	0	4	0	8	0	12	145
7:30 AM	0	0	47	52	0	99	0	0	0	0	0	0	0	28	79	0	1	107	0	26	0	25	1	51	257
7:45 AM	0	0	70	29	0	99	0	0	0	0	0	0	0	26	50	0	0	76	0	8	0	21	0	29	204
Peak Hour Total PHF	0	0	223	103	0	326	0	0	0	0	0	0	0	69	205	0	1	274	0	38	0	54	1	92	692
	0.000	0.000	0.796	0.495	0.000	0.823	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.616	0.649	0.000	0.250	0.640	0.000	0.365	0.000	0.540	0.250	0.451	0.673

PM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
2:30 PM	0	0	45	12	0	57	0	0	0	0	0	0	0	14	63	0	0	77	0	5	0	8	0	13	147
2:45 PM	0	0	75	13	0	88	0	0	0	0	0	0	0	7	90	0	3	97	0	20	0	25	0	45	230
3:00 PM	0	0	51	4	0	55	0	0	0	0	0	0	0	3	50	0	0	53	0	2	0	3	1	5	113
3:15 PM	0	0	51	1	0	52	0	0	0	0	0	0	0	3	59	0	0	62	0	8	0	1	0	9	123
Peak Hour Total PHF	0	0	222	30	0	252	0	0	0	0	0	0	0	27	262	0	3	289	0	35	0	37	1	72	613
	0.000	0.000	0.740	0.577	0.000	0.716	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.482	0.728	0.000	0.250	0.745	0.000	0.438	0.000	0.370	0.250	0.400	0.666

Total Vehicles On Leg		5808	
Vehicles Entering Intersection	2986	Vehicles Exiting Intersection	2822
Southbound			
Cars	211	2713	0
Heavy	13	48	0
Total	224	2761	0



Total Vehicles on Leg 762	Vehicles Entering Intersection 334	Eastbound	Cars	Heavy	Total
	Vehicles Exiting Intersection 428		3	1	4
			0	0	0
			157	5	162
			0	0	0
			172	0	172



Daily Volumes

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



Cars	9	1	185	2563	0
Heavy	0	0	19	96	0
Total	9	1	204	2659	0
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
2864			2934		
Total Vehicles On Leg			5798		



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

Signal Warrants - Summary

Major Street Approaches

Northbound: CR 53

Number of Lanes : 1

Total Approach Volume: 2,864

Southbound: CR 53

Number of Lanes : 1

Total Approach Volume: 2,986

Minor Street Approaches

Eastbound: 101st Ln

Number of Lanes : 1

Total Approach Volume: 334

Warrant Summary (Urban Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Not Satisfied

Warrant 1A - Minimum Vehicular Volume.....Not Satisfied

Required volumes reached for 0 hours, 8 are needed

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

Required volumes reached for 0 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Not Satisfied

Required 1A volumes reached for 0 hours, 8 are needed

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

Warrant 2 - Four Hour Volumes.....Not Satisfied

Number of hours (0) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour.....Not Satisfied

Warrant 3A - Peak Hour Delay.....Not Satisfied

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Not Satisfied

Volumes do not exceed minimums for any one hour period.

Warrant 4 - Pedestrian Volumes.....Not Evaluated

Warrant 5 - School Crossing.....Not Evaluated

Warrant 6 - Coordinated Signal System.....Not Evaluated

Warrant 7 - Crash Experience.....Not Evaluated

Warrant 8 - Roadway Network.....Not Evaluated

Warrant 9 - Intersection Near a Grade Crossing.....Not Evaluated

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

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

Only 0 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Veh/Hr Major = **500**

Veh/Hr Minor = **150**

Major Road						Minor Road			
CR 53						101st Ln			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
07:00 - 08:00	274	+	326	=	600	92	0	No	
07:15 - 08:15	277	+	312	=	589	98	0	No	
16:45 - 17:45	320	+	265	=	585	16	0	No	
15:45 - 16:45	333	+	246	=	579	15	0	No	
16:30 - 17:30	328	+	243	=	571	17	0	No	
16:00 - 17:00	322	+	248	=	570	12	0	No	
17:00 - 18:00	309	+	261	=	570	16	0	No	
16:15 - 17:15	315	+	251	=	566	11	0	No	
15:30 - 16:30	304	+	252	=	556	15	0	No	
14:30 - 15:30	289	+	252	=	541	72	0	No	
17:15 - 18:15	293	+	243	=	536	11	0	No	
07:30 - 08:30	249	+	270	=	519	88	0	No	
14:45 - 15:45	260	+	258	=	518	61	0	No	
15:15 - 16:15	287	+	225	=	512	22	0	No	
14:15 - 15:15	286	+	226	=	512	66	0	No	
06:45 - 07:45	229	+	269	=	498	64	0	No	
14:00 - 15:00	274	+	206	=	480	63	0	No	
15:00 - 16:00	253	+	222	=	475	20	0	No	
17:30 - 18:30	249	+	216	=	465	10	0	No	
17:45 - 18:45	231	+	176	=	407	11	0	No	
07:45 - 08:45	177	+	211	=	388	41	0	No	
18:00 - 19:00	198	+	178	=	376	13	0	No	
13:45 - 14:45	208	+	166	=	374	21	0	No	
08:30 - 09:30	156	+	208	=	364	18	0	No	
06:30 - 07:30	151		205		356	15	0	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

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

Site Data Required

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

Volume Requirements

Veh/Hr Major = **750**

Veh/Hr Minor = **75**

Major Road						Minor Road			
CR 53						101st Ln			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
07:00 - 08:00	274	+	326	=	600	92	0	No	
07:15 - 08:15	277	+	312	=	589	98	0	No	
16:45 - 17:45	320	+	265	=	585	16	0	No	
15:45 - 16:45	333	+	246	=	579	15	0	No	
16:30 - 17:30	328	+	243	=	571	17	0	No	
16:00 - 17:00	322	+	248	=	570	12	0	No	
17:00 - 18:00	309	+	261	=	570	16	0	No	
16:15 - 17:15	315	+	251	=	566	11	0	No	
15:30 - 16:30	304	+	252	=	556	15	0	No	
14:30 - 15:30	289	+	252	=	541	72	0	No	
17:15 - 18:15	293	+	243	=	536	11	0	No	
07:30 - 08:30	249	+	270	=	519	88	0	No	
14:45 - 15:45	260	+	258	=	518	61	0	No	
15:15 - 16:15	287	+	225	=	512	22	0	No	
14:15 - 15:15	286	+	226	=	512	66	0	No	
06:45 - 07:45	229	+	269	=	498	64	0	No	
14:00 - 15:00	274	+	206	=	480	63	0	No	
15:00 - 16:00	253	+	222	=	475	20	0	No	
17:30 - 18:30	249	+	216	=	465	10	0	No	
17:45 - 18:45	231	+	176	=	407	11	0	No	
07:45 - 08:45	177	+	211	=	388	41	0	No	
18:00 - 19:00	198	+	178	=	376	13	0	No	
13:45 - 14:45	208	+	166	=	374	21	0	No	
08:30 - 09:30	156	+	208	=	364	18	0	No	
06:30 - 07:30	151		205		356	15	0	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

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

Only 0 hours meet 1A minimums.
Only 1 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Warrant 1A 1B
Veh/Hr Major = **400 600**
Veh/Hr Minor = **120 60**

Major Road						Minor Road					
CR 53						101st Ln					
Time	Major NB	+	Major SB	=	Total		Minor EB		Minor WB		Met1A?
07:00 - 08:00	274	+	326	=	600		92		0		No
07:15 - 08:15	277	+	312	=	589		98		0		No
16:45 - 17:45	320	+	265	=	585		16		0		No
15:45 - 16:45	333	+	246	=	579		15		0		No
16:30 - 17:30	328	+	243	=	571		17		0		No
17:00 - 18:00	309	+	261	=	570		16		0		No
16:00 - 17:00	322	+	248	=	570		12		0		No
16:15 - 17:15	315	+	251	=	566		11		0		No
15:30 - 16:30	304	+	252	=	556		15		0		No
14:30 - 15:30	289	+	252	=	541		72		0		No
17:15 - 18:15	293	+	243	=	536		11		0		No
07:30 - 08:30	249		270		519		88		0		No

Time	Major NB	+	Major SB	=	Total	Minor EB		Minor WB		Met1B?
07:00 - 08:00	274	+	326	=	600	92		0		Yes
16:45 - 17:45	320	+	265	=	585	16		0		No
15:45 - 16:45	333	+	246	=	579	15		0		No
16:30 - 17:30	328	+	243	=	571	17		0		No
17:00 - 18:00	309	+	261	=	570	16		0		No
16:00 - 17:00	322	+	248	=	570	12		0		No
16:15 - 17:15	315	+	251	=	566	11		0		No
15:30 - 16:30	304	+	252	=	556	15		0		No
14:30 - 15:30	289	+	252	=	541	72		0		No
17:15 - 18:15	293	+	243	=	536	11		0		No
14:45 - 15:45	260	+	258	=	518	61		0		No
14:15 - 15:15	286		226		512	66		0		No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

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.

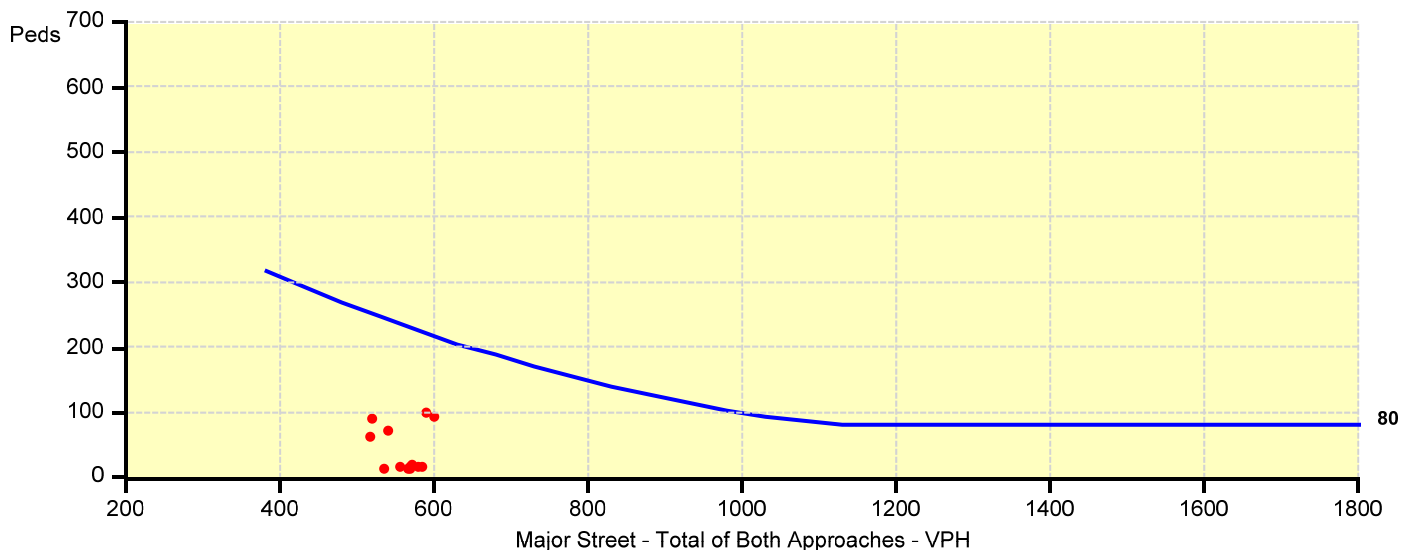
Summary

Only 0 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Major Road						Minor Road			
CR 53						101st Ln			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
07:00 - 08:00	274	+	326	=	600	92	0	No	
07:15 - 08:15	277	+	312	=	589	98	0	No	
16:45 - 17:45	320	+	265	=	585	16	0	No	
15:45 - 16:45	333	+	246	=	579	15	0	No	
16:30 - 17:30	328	+	243	=	571	17	0	No	
16:00 - 17:00	322	+	248	=	570	12	0	No	
17:00 - 18:00	309	+	261	=	570	16	0	No	
16:15 - 17:15	315	+	251	=	566	11	0	No	
15:30 - 16:30	304	+	252	=	556	15	0	No	
14:30 - 15:30	289	+	252	=	541	72	0	No	
17:15 - 18:15	293	+	243	=	536	11	0	No	
07:30 - 08:30	249		270		519	88	0	No	



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2503

Study Date : 02/10/2025

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

Only 0 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Major Road						Minor Road			
CR 53						101st Ln			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
07:00 - 08:00	274	+	326	=	600	92	0	No	
07:15 - 08:15	277	+	312	=	589	98	0	No	
16:45 - 17:45	320	+	265	=	585	16	0	No	
15:45 - 16:45	333	+	246	=	579	15	0	No	
16:30 - 17:30	328	+	243	=	571	17	0	No	
16:00 - 17:00	322	+	248	=	570	12	0	No	
17:00 - 18:00	309	+	261	=	570	16	0	No	
16:15 - 17:15	315	+	251	=	566	11	0	No	
15:30 - 16:30	304	+	252	=	556	15	0	No	
14:30 - 15:30	289	+	252	=	541	72	0	No	
17:15 - 18:15	293	+	243	=	536	11	0	No	
07:30 - 08:30	249		270		519	88	0	No	

