

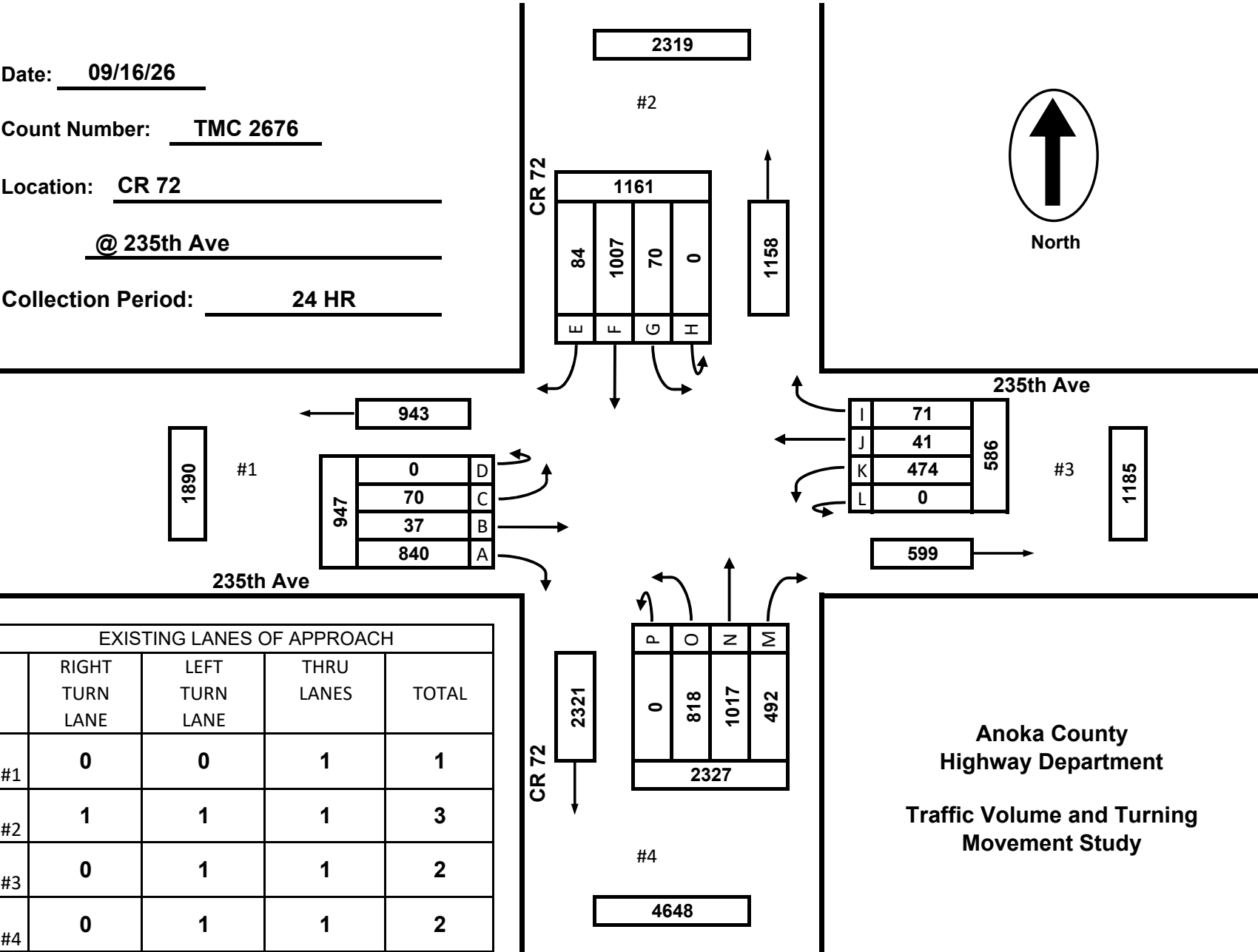
Date: 09/16/26

Count Number: TMC 2676

Location: CR 72

@ 235th Ave

Collection Period: 24 HR



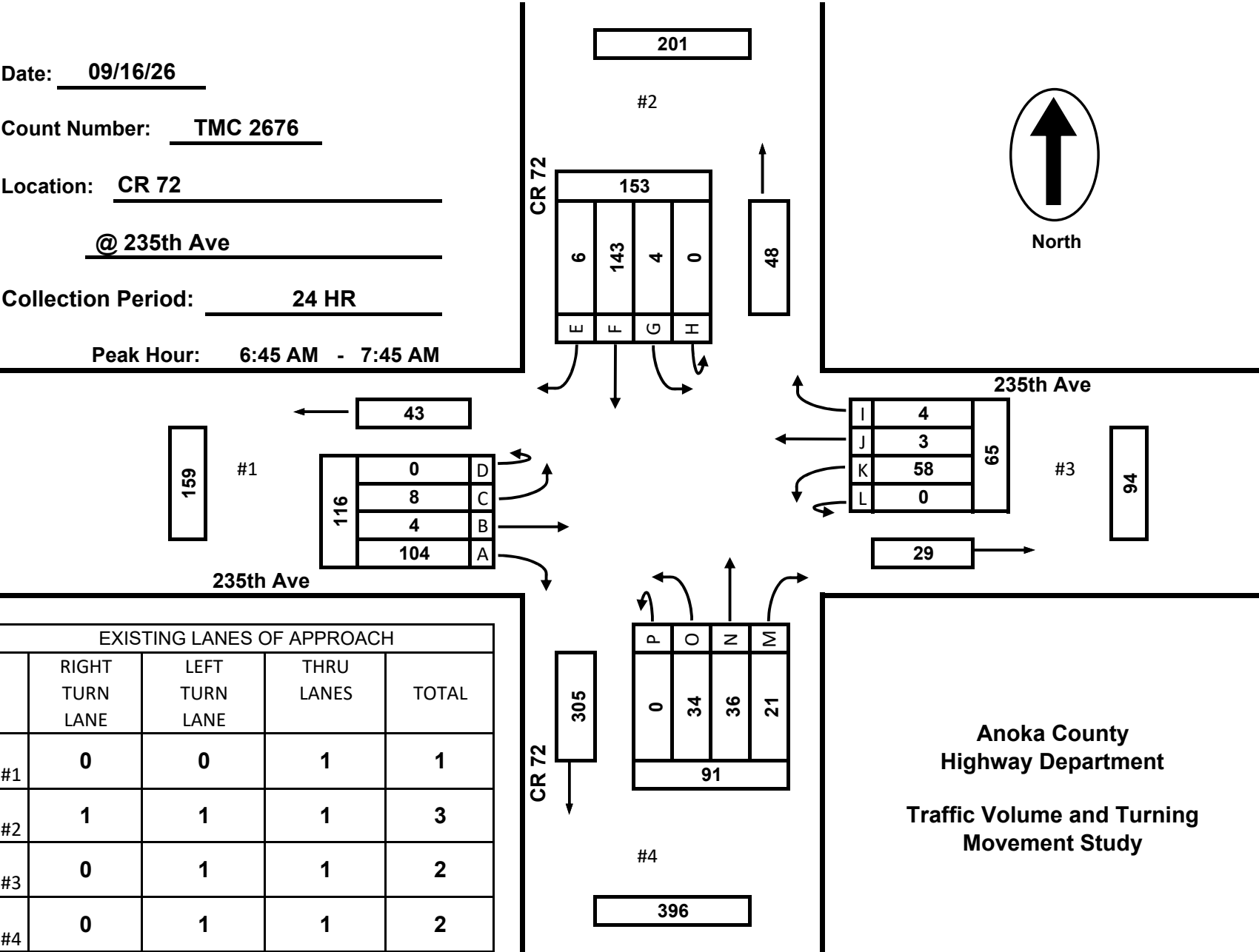
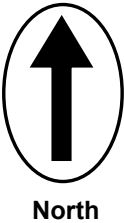
Date: 09/16/26

Count Number: TMC 2676

Location: CR 72
@ 235th Ave

Collection Period: 24 HR

Peak Hour: 6:45 AM - 7:45 AM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/16/26

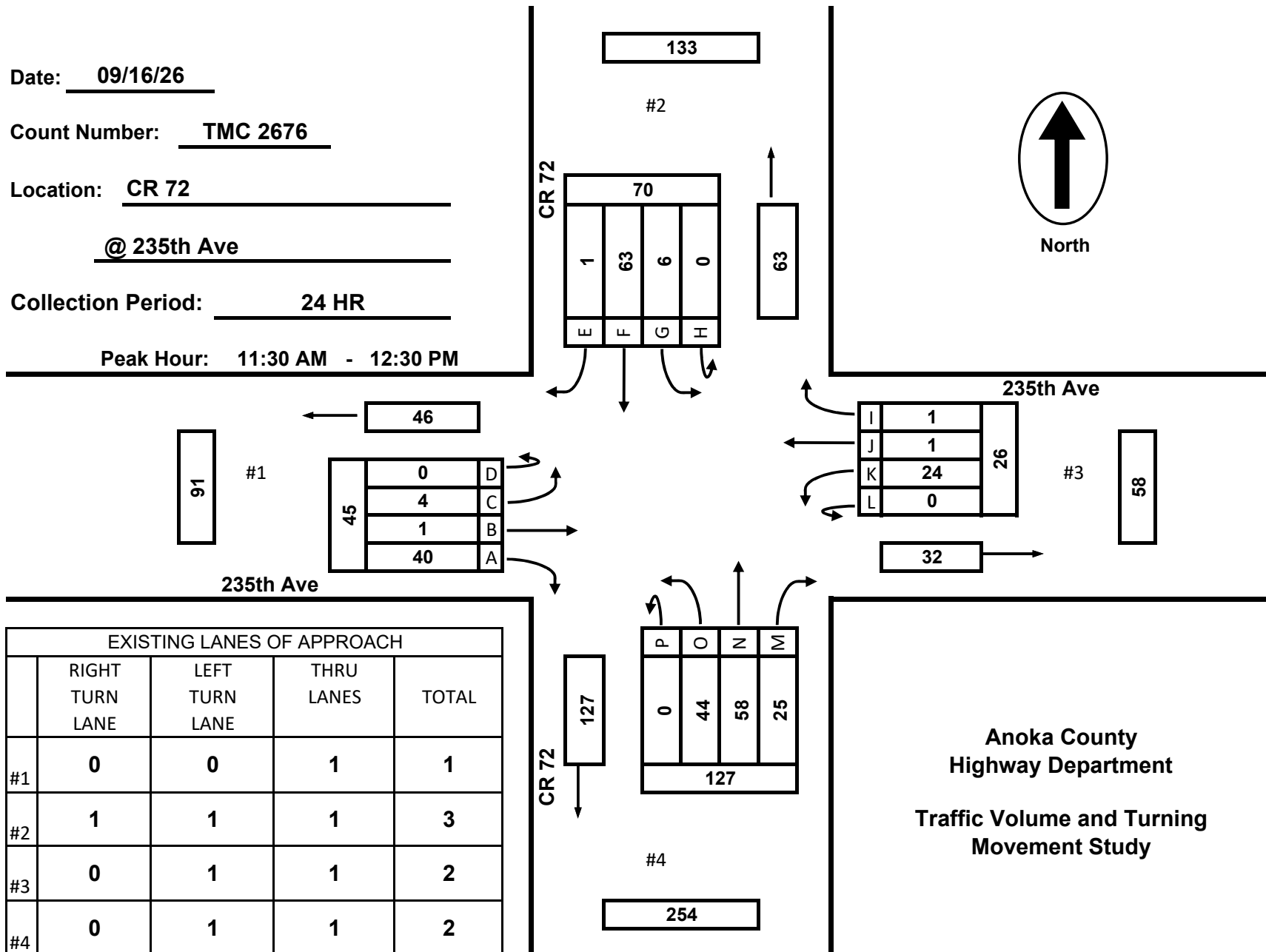
Count Number: TMC 2676

Location: CR 72

@ 235th Ave

Collection Period: 24 HR

Peak Hour: 11:30 AM - 12:30 PM



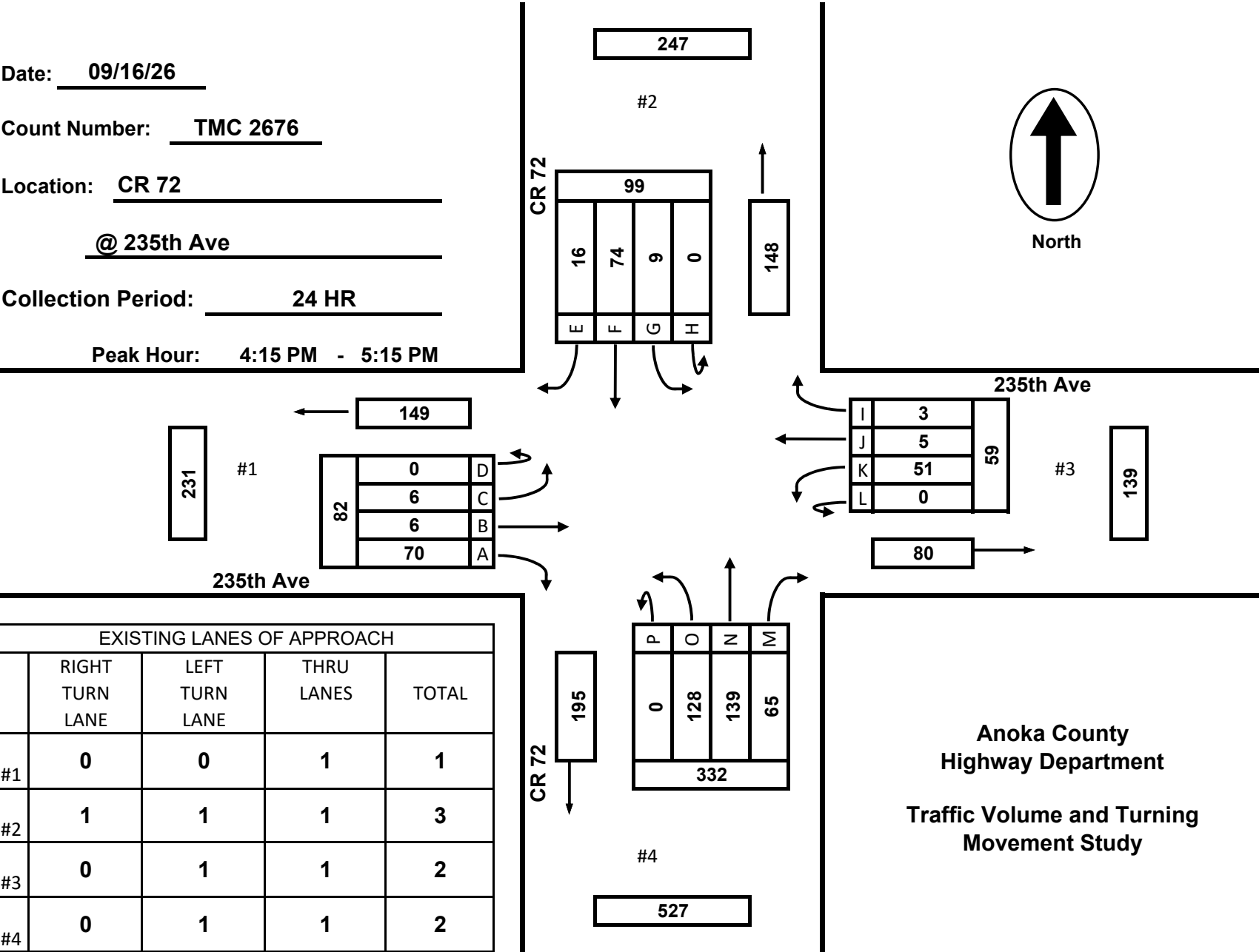
Date: 09/16/26

Count Number: TMC 2676

Location: CR 72
@ 235th Ave

Collection Period: 24 HR

Peak Hour: 4:15 PM - 5:15 PM



TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound CR 72						Westbound 235th Ave						Northbound CR 72						Eastbound 235th Ave						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	3	1	1	0	5	0	0	0	1	0	1	6
12:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	1	1	0	4	0	0	0	1	0	1	6
12:30 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	4	1	0	0	5	0	0	0	0	0	0	8
12:45 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	5	0	0	5	0	0	0	0	0	0	0	9	4	2	0	15	0	0	0	2	0	2	22
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	2
1:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	3
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3	0	0	0	0	0	0	3
1:45 AM	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 Total	0	0	0	0	0	0	0	0	1	0	0	1	0	5	1	1	0	7	0	0	0	2	0	2	10
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	4	0	0	0	0	0	0	4
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	1	0	1	3
2:30 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
2:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
Hourly Total	0	0	1	0	0	1	0	0	0	0	0	0	0	2	4	2	0	8	0	0	0	1	0	1	10
3:00 AM	0	1	0	0	0	1	0	2	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	4
3:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	3
3:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3
3:45 AM	0	0	4	0	0	4	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	3	9
Hourly Total	0	1	7	0	0	8	0	4	0	0	0	4	0	2	0	1	0	3	0	0	0	4	0	4	19
4:00 AM	0	0	2	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	3	6
4:15 AM	0	0	2	0	0	2	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	5	0	5	9
4:30 AM	0	0	2	0	0	2	0	3	0	0	0	3	0	2	0	0	0	2	0	0	0	8	0	8	15
4:45 AM	0	0	9	0	0	9	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	7	0	7	21
Hourly Total	0	0	15	0	0	15	0	10	0	1	0	11	0	2	0	0	0	2	0	0	0	23	0	23	51
5:00 AM	0	0	13	0	0	13	0	3	0	0	0	3	0	0	1	1	0	2	0	0	0	6	0	6	24
5:15 AM	0	0	15	0	0	15	0	7	0	3	0	10	0	0	3	1	0	4	0	0	0	11	0	11	40
5:30 AM	0	0	15	0	0	15	0	4	0	0	0	4	0	0	1	0	0	1	0	2	0	15	0	17	37
5:45 AM	0	0	20	0	0	20	0	7	0	1	0	8	0	2	2	0	0	4	0	0	1	13	0	14	46
Hourly Total	0	0	63	0	0	63	0	21	0	4	0	25	0	2	7	2	0	11	0	2	1	45	0	48	147
6:00 AM	0	0	21	0	0	21	0	8	0	0	0	8	0	1	3	2	0	6	0	2	1	21	0	24	59
6:15 AM	0	1	29	0	0	30	0	4	0	1	0	5	0	1	3	0	0	4	0	2	0	25	0	27	66
6:30 AM	0	0	31	1	0	32	0	9	0	0	0	9	0	1	9	2	0	12	0	2	1	21	0	24	77
6:45 AM	0	2	37	1	0	40	0	16	0	0	0	16	0	5	4	6	0	15	0	3	0	25	0	28	99
Hourly Total	0	3	118	2	0	123	0	37	0	1	0	38	0	8	19	10	0	37	0	9	2	92	0	103	301
7:00 AM	0	0	38	2	0	40	0	19	1	2	0	22	0	6	7	4	0	17	0	1	1	22	0	24	103
7:15 AM	0	1	31	2	0	34	0	15	1	2	0	18	0	12	14	8	0	34	0	2	1	24	0	27	113
7:30 AM	0	1	37	1	0	39	0	8	1	0	0	9	0	11	11	3	0	25	0	2	2	33	0	37	110
7:45 AM	0	0	18	1	0	19	0	8	1	1	0	10	0	9	3	2	0	14	0	1	0	16	0	17	60
Hourly Total	0	2	124	6	0	132	0	50	4	5	0	59	0	38	35	17	0	90	0	6	4	95	0	105	386

TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound CR 72						Westbound 235th Ave						Northbound CR 72						Eastbound 235th Ave						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	17	1	0	18	0	6	2	2	0	10	0	11	7	6	0	24	0	1	1	16	0	18	70
8:15 AM	0	0	18	1	0	19	0	5	0	3	0	8	0	5	8	3	0	16	0	2	0	12	0	14	57
8:30 AM	0	0	18	0	0	18	0	14	1	1	0	16	0	8	8	4	0	20	0	3	1	22	0	26	80
8:45 AM	0	0	20	0	0	20	0	8	2	2	0	12	0	4	2	6	0	12	0	2	1	12	0	15	59
Hourly Total	0	0	73	2	0	75	0	33	5	8	0	46	0	28	25	19	0	72	0	8	3	62	0	73	266
9:00 AM	0	0	12	3	0	15	0	7	0	1	0	8	0	6	5	4	1	15	0	0	1	7	0	8	46
9:15 AM	0	0	16	2	0	18	0	4	0	2	0	6	0	11	12	4	0	27	0	1	0	20	0	21	72
9:30 AM	0	1	12	2	0	15	0	4	0	3	4	7	0	6	7	5	0	18	0	1	0	8	0	9	49
9:45 AM	0	0	9	0	0	9	0	7	0	0	0	7	0	3	4	5	0	12	0	1	0	7	0	8	36
Hourly Total	0	1	49	7	0	57	0	22	0	6	4	28	0	26	28	18	1	72	0	3	1	42	0	46	203
10:00 AM	0	0	8	0	0	8	0	5	0	1	0	6	0	7	4	3	0	14	0	0	0	9	0	9	37
10:15 AM	0	0	16	2	0	18	0	4	0	0	0	4	0	6	5	4	0	15	0	2	1	11	0	14	51
10:30 AM	0	2	15	2	0	19	0	7	1	0	0	8	0	6	6	5	0	17	0	0	0	9	0	9	53
10:45 AM	0	2	10	1	0	13	0	2	0	4	0	6	0	8	12	3	0	23	0	0	0	5	0	5	47
Hourly Total	0	4	49	5	0	58	0	18	1	5	0	24	0	27	27	15	0	69	0	2	1	34	0	37	188
11:00 AM	0	0	12	1	0	13	0	8	0	0	0	8	0	8	11	9	4	28	0	0	0	7	0	7	56
11:15 AM	0	0	10	1	0	11	0	3	1	1	0	5	0	6	13	6	2	25	0	0	0	5	0	5	46
11:30 AM	0	2	17	1	0	20	0	8	0	0	0	8	0	6	19	5	0	30	0	0	0	10	0	10	68
11:45 AM	0	2	10	0	0	12	0	5	0	1	2	6	0	13	12	4	0	29	0	2	1	9	0	12	59
Hourly Total	0	4	49	3	0	56	0	24	1	2	2	27	0	33	55	24	6	112	0	2	1	31	0	34	229
12:00 PM	0	1	21	0	0	22	0	6	0	0	0	6	0	11	12	11	0	34	0	1	0	10	0	11	73
12:15 PM	0	1	15	0	0	16	0	5	1	0	0	6	0	14	15	5	0	34	0	1	0	11	0	12	68
12:30 PM	0	1	10	0	0	11	0	4	0	0	0	4	0	10	19	4	0	33	0	1	0	11	0	12	60
12:45 PM	0	0	7	0	0	7	0	7	0	0	0	7	0	7	12	8	1	27	0	0	0	11	0	11	52
Hourly Total	0	3	53	0	0	56	0	22	1	0	0	23	0	42	58	28	1	128	0	3	0	43	0	46	253
1:00 PM	0	2	6	2	0	10	0	1	0	1	0	2	0	8	7	8	1	23	0	0	0	12	0	12	47
1:15 PM	0	2	8	1	0	11	0	6	1	3	0	10	0	13	8	7	0	28	0	1	0	15	0	16	65
1:30 PM	0	0	18	0	0	18	0	4	3	1	0	8	0	9	15	5	0	29	0	1	2	8	0	11	66
1:45 PM	0	0	14	1	0	15	0	4	1	1	0	6	0	8	8	5	0	21	0	1	0	8	0	9	51
Hourly Total	0	4	46	4	0	54	0	15	5	6	0	26	0	38	38	25	1	101	0	3	2	43	0	48	229
2:00 PM	0	1	10	0	0	11	0	7	0	0	0	7	0	13	18	5	0	36	0	2	1	16	0	19	73
2:15 PM	0	2	15	2	0	19	0	6	4	0	0	10	0	10	16	15	2	41	0	0	0	8	0	8	78
2:30 PM	0	2	14	2	0	18	0	12	1	2	0	15	0	19	43	24	1	86	0	2	3	8	0	13	132
2:45 PM	0	2	14	0	0	16	0	5	1	3	0	9	0	14	22	4	1	40	0	3	3	12	0	18	83
Hourly Total	0	7	53	4	0	64	0	30	6	5	0	41	0	56	99	48	4	203	0	7	7	44	0	58	366
3:00 PM	0	0	10	1	2	11	0	5	1	2	0	8	0	6	28	8	0	42	0	2	0	17	0	19	80
3:15 PM	0	3	20	1	0	24	0	12	0	2	0	14	0	16	30	8	0	54	0	0	1	14	0	15	107
3:30 PM	0	2	18	4	0	24	0	4	0	1	0	5	0	17	24	15	2	56	0	3	2	15	0	20	105
3:45 PM	0	2	11	1	0	14	0	11	2	0	0	13	0	27	34	11	1	72	0	2	0	13	0	15	114
Hourly Total	0	7	59	7	2	73	0	32	3	5	0	40	0	66	116	42	3	224	0	7	3	59	0	69	406

TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound CR 72						Westbound 235th Ave						Northbound CR 72						Eastbound 235th Ave						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	2	12	0	0	14	0	10	0	3	0	13	0	22	29	19	2	70	0	1	3	11	0	15	112
4:15 PM	0	1	18	3	0	22	0	16	1	0	0	17	0	22	39	18	2	79	0	1	2	10	0	13	131
4:30 PM	0	4	20	1	1	25	0	17	0	1	0	18	0	50	37	16	2	103	0	0	0	16	0	16	162
4:45 PM	0	1	23	4	0	28	0	6	3	1	0	10	0	26	24	13	2	63	0	0	1	18	0	19	120
Hourly Total	0	8	73	8	1	89	0	49	4	5	0	58	0	120	129	66	8	315	0	2	6	55	0	63	525
5:00 PM	0	3	13	8	0	24	0	12	1	1	0	14	0	30	39	18	0	87	0	5	3	26	0	34	159
5:15 PM	0	5	20	1	0	26	0	4	0	1	0	5	0	18	39	16	2	73	0	3	0	9	0	12	116
5:30 PM	0	3	16	5	0	24	0	7	0	1	0	8	0	16	35	15	4	66	0	2	0	20	0	22	120
5:45 PM	0	0	18	2	1	20	0	12	1	0	1	13	0	21	24	10	1	55	0	3	0	16	0	19	107
Hourly Total	0	11	67	16	1	94	0	35	2	3	1	40	0	85	137	59	7	281	0	13	3	71	0	87	502
6:00 PM	0	2	19	3	0	24	0	11	4	2	0	17	0	19	19	5	1	43	0	0	0	13	0	13	97
6:15 PM	0	4	14	2	0	20	0	12	1	0	0	13	0	16	24	8	3	48	0	2	0	11	0	13	94
6:30 PM	0	0	6	2	0	8	0	6	0	3	0	9	0	15	21	7	3	43	0	0	1	10	1	11	71
6:45 PM	0	0	9	1	0	10	0	7	1	2	0	10	0	13	17	4	3	34	0	0	0	8	0	8	62
Hourly Total	0	6	48	8	0	62	0	36	6	7	0	49	0	63	81	24	10	168	0	2	1	42	1	45	324
7:00 PM	0	1	7	0	0	8	0	7	0	2	0	9	0	23	16	9	0	48	0	0	0	11	0	11	76
7:15 PM	0	2	5	3	0	10	0	5	0	0	0	5	0	14	18	12	0	44	0	0	1	6	0	7	66
7:30 PM	0	2	8	1	0	11	0	4	0	0	0	4	0	13	19	11	0	43	0	0	0	8	0	8	66
7:45 PM	0	2	6	1	0	9	0	0	0	0	0	0	0	16	11	9	0	36	0	0	0	5	0	5	50
Hourly Total	0	7	26	5	0	38	0	16	0	2	0	18	0	66	64	41	0	171	0	0	1	30	0	31	258
8:00 PM	0	0	4	1	0	5	0	2	0	2	0	4	0	18	14	11	0	43	0	0	0	7	0	7	59
8:15 PM	0	0	2	2	0	4	0	2	0	0	0	2	0	13	9	7	0	29	0	0	1	2	0	3	38
8:30 PM	0	0	2	1	0	3	0	4	1	0	0	5	0	8	7	8	0	23	0	0	0	1	0	1	32
8:45 PM	0	0	4	1	0	5	0	6	0	2	0	8	0	7	8	4	0	19	0	0	0	1	0	1	33
Hourly Total	0	0	12	5	0	17	0	14	1	4	0	19	0	46	38	30	0	114	0	0	1	11	0	12	162
9:00 PM	0	0	4	0	0	4	0	2	0	1	0	3	0	18	12	4	0	34	0	1	0	1	0	2	43
9:15 PM	0	0	3	1	0	4	0	1	1	0	0	2	0	5	5	3	0	13	0	0	0	2	0	2	21
9:30 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	3	3	2	0	8	0	0	0	2	0	2	13
9:45 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	2	7	1	0	10	0	0	0	1	0	1	13
Hourly Total	0	0	11	1	0	12	0	4	1	1	0	6	0	28	27	10	0	65	0	1	0	6	0	7	90
10:00 PM	0	0	2	0	0	2	0	1	0	0	0	1	0	8	2	2	0	12	0	0	0	1	0	1	16
10:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	3	7	2	0	12	0	0	0	2	0	2	15
10:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	5	3	2	0	10	0	0	0	0	0	0	11
10:45 PM	0	0	0	0	0	0	0	1	0	1	0	2	0	3	5	2	0	10	0	0	0	0	0	0	12
Hourly Total	0	0	4	0	0	4	0	2	0	1	0	3	0	19	17	8	0	44	0	0	0	3	0	3	54
11:00 PM	0	1	1	1	0	3	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	7
11:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	3	2	0	0	5	0	0	0	0	0	0	6
11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	0	0	0	0	0	0	5
11:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
Hourly Total	0	2	2	1	0	5	0	0	0	0	0	0	0	7	8	0	0	15	0	0	0	0	0	0	20
DAILY TOTAL	0	70	1007	84	4	1161	0	474	41	71	7	586	0	818	1017	492	41	2327	0	70	37	840	1	947	5021
Cars	0	68	989	78	1	1135	0	458	32	68	7	558	0	798	997	487	14	2282	0	66	31	818	1	915	4890
Heavy Vehicles	0	2	18	6	3	26	0	16	9	3	0	28	0	20	20	5	27	45	0	4	6	22	0	32	131
Heavy Vehicle %	0.00%	2.86%	1.79%	7.14%	75.00%	2.24%	0.00%	3.38%	21.95%	4.23%	0.00%	4.78%	0.00%	2.44%	1.97%										

TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026
AM Peak Hour (00:00 to 10:00)

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
6:45 AM	0	2	37	1	0	40	0	16	0	0	0	16	0	5	4	6	0	15	0	3	0	25	0	28	99
7:00 AM	0	0	38	2	0	40	0	19	1	2	0	22	0	6	7	4	0	17	0	1	1	22	0	24	103
7:15 AM	0	1	31	2	0	34	0	15	1	2	0	18	0	12	14	8	0	34	0	2	1	24	0	27	113
7:30 AM	0	1	37	1	0	39	0	8	1	0	0	9	0	11	11	3	0	25	0	2	2	33	0	37	110
Peak Hour Total	0	4	143	6	0	153	0	58	3	4	0	65	0	34	36	21	0	91	0	8	4	104	0	116	425
Peak Hour Heavy Vehicles	0	0	4	1	0	5	0	1	1	0	0	2	0	5	4	0	0	9	0	0	1	3	0	4	20
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	2.80%	16.67%	0.00%	3.27%	0.00%	1.72%	33.33%	0.00%	0.00%	3.08%	0.00%	14.71%	11.11%	0.00%	0.00%	9.89%	0.00%	0.00%	25.00%	2.88%	0.00%	3.45%	4.71%
	0.000	0.500	0.941	0.750	0.000	0.956	0.000	0.763	0.750	0.500	0.000	0.739	0.000	0.708	0.643	0.656	0.000	0.669	0.000	0.667	0.500	0.788	0.000	0.784	0.940

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
11:30 AM	0	2	17	1	0	20	0	8	0	0	0	8	0	6	19	5	0	30	0	0	0	10	0	10	68
11:45 AM	0	2	10	0	0	12	0	5	0	1	2	6	0	13	12	4	0	29	0	2	1	9	0	12	59
12:00 PM	0	1	21	0	0	22	0	6	0	0	0	6	0	11	12	11	0	34	0	1	0	10	0	11	73
12:15 PM	0	1	15	0	0	16	0	5	1	0	0	6	0	14	15	5	0	34	0	1	0	11	0	12	68
Peak Hour Total	0	6	63	1	0	70	0	24	1	1	2	26	0	44	58	25	0	127	0	4	1	40	0	45	268
Peak Hour Heavy Vehicles	0	0	2	1	0	3	0	2	1	0	0	3	0	3	2	1	0	6	0	0	0	2	0	2	14
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	3.17%	100.00%	0.00%	4.29%	0.00%	8.33%	100.00%	0.00%	0.00%	11.54%	0.00%	6.82%	3.45%	4.00%	0.00%	4.72%	0.00%	0.00%	0.00%	5.00%	0.00%	4.44%	5.22%
	0.000	0.750	0.750	0.250	0.000	0.795	0.000	0.750	0.250	0.250	0.250	0.813	0.000	0.786	0.763	0.568	0.000	0.934	0.000	0.500	0.250	0.909	0.000	0.938	0.918

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	
4:15 PM	0	1	18	3	0	22	0	16	1	0	0	17	0	22	39	18	2	79	0	1	2	10	0	13	131
4:30 PM	0	4	20	1	1	25	0	17	0	1	0	18	0	50	37	16	2	103	0	0	0	16	0	16	162
4:45 PM	0	1	23	4	0	28	0	6	3	1	0	10	0	26	24	13	2	63	0	0	1	18	0	19	120
5:00 PM	0	3	13	8	0	24	0	12	1	1	0	14	0	30	39	18	0	87	0	5	3	26	0	34	159
Peak Hour Total	0	9	74	16	1	99	0	51	5	3	0	59	0	128	139	65	6	332	0	6	6	70	0	82	572
Peak Hour Heavy Vehicles	0	0	5	1	1	6	0	2	0	0	0	2	0	2	3	0	1	5	0	0	1	3	0	4	17
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	6.76%	6.25%	100.00%	6.06%	0.00%	3.92%	0.00%	0.00%	0.00%	3.39%	0.00%	1.56%	2.16%	0.00%	16.67%	1.51%	0.00%	0.00%	16.67%	4.29%	0.00%	4.88%	2.97%
	0.000	0.563	0.804	0.500	0.250	0.884	0.000	0.750	0.417	0.750	0.000	0.819	0.000	0.640	0.891	0.903	0.750	0.806	0.000	0.300	0.500	0.673	0.000	0.603	0.883

Total Vehicles On Leg				2319			
Vehicles Entering Intersection				Vehicles Exiting Intersection			
1161				1158			
Southbound							
Cars	78	989	88	0	1		
Heavy	6	18	2	0	3		
Total	84	1007	70	0	4		



Total Vehicles on Leg	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total		
			1	0	1		
			0	0	0		
	Vehicles Exiting Intersection		66	4	70		
			31	6	37		
1890			818	22	840		

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg	
68	3	71		586		
32	9	41		Vehicles Exiting Intersection		
458	16	474				
0	0	0				
7	0	7		599	1185	

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TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound Heavy CR 72						Westbound Heavy 235th Ave						Northbound Heavy CR 72						Eastbound Heavy 235th Ave						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	1	0	0	1	0	0	0	0	0	0	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	1	0	0	1	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0
6:30 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
6:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	5
Hourly 'Heavy Vehicles'	0	0	2	1	0	3	0	0	0	0	0	0	0	2	1	0	0	3	0	0	1	1	0	2	8
7:00 AM	0	0	0	1	0	1	0	1	1	0	0	2	0	2	0	0	0	2	0	0	0	1	0	1	6
7:15 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
7:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	0	0	4	0	0	1	0	0	1	7
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	2	0	2	4
Hourly 'Heavy Vehicles'	0	0	2	1	0	3	0	1	1	0	0	2	0	4	5	0	0	9	0	0	1	4	0	5	19

TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound Heavy CR 72						Westbound Heavy 235th Ave						Northbound Heavy CR 72						Eastbound Heavy 235th Ave						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	2	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	1	4
8:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	1	0	0	1	3
8:45 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	1	3	0	0	4	0	2	0	1	0	3	0	2	1	0	0	3	0	11
9:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
9:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
9:30 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	0
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	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	4
10:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
10:15 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
10:30 AM	0	0	0	0	0	0	0	1	0	0	0	1	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	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	0	0	0	0	0	0	0	0	1	0	1	3
11:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	3
11:15 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	0	1
11:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	4
11:45 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	1	3	1	0	5	0	0	0	0	0	0	0	8
12:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	2	0	0	0	1	0	0	1	4
12:15 PM	0	0	1	0	0	1	0	1	1	0	0	2	0	1	1	0	0	2	0	0	0	1	0	0	1	6
12:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	3
12:45 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	2	0	0	2	0	2	1	0	0	3	0	2	2	1	0	5	0	0	0	3	0	0	3	13
1:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	2	0	0	2	6
1:15 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	0	1
1:30 PM	0	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
1:45 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	1	0	0	0	1	0	1	4	0	0	5	0	0	0	3	0	0	3	10
2:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	2	0	0	2	4
2:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	2
2:30 PM	0	0	0	0	0	0	0	1	1	0	0	2	0	2	0	0	1	2	0	2	0	1	0	0	3	7
2:45 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	1	1	0	1	2	0	0	0	1	0	0	1	5
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	2	2	1	0	5	0	4	1	1	4	6	0	2	0	4	0	0	6	18
3:00 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	0	0	2	4
3:45 PM	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	1	0	0	1	4
Hourly 'Heavy Vehicles'	0	1	0	1	2	2	0	2	0	0	0	2	0	1	0	1	1	2	0	0	1	2	0	0	3	9

TMC 2676 - CR 72 @ 235th Ave
St. Francis MN
Wednesday, September 16, 2026

Time	Southbound Heavy CR 72						Westbound Heavy 235th Ave						Northbound Heavy CR 72						Eastbound Heavy 235th Ave						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	2	1	0	0	1	1	0	2	0
4:30 PM	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	3
4:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	3	1	1	4	0	2	0	0	0	2	0	1	0	0	7	1	0	0	1	2	0	3	10
5:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	1	0	1	7
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	4	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	2	0	0	2	0	0	0	2	0	2	0	2	3	0	7	5	0	0	0	1	0	1	10
6:00 PM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
6:15 PM	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	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	0	0	3	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	2	2	0	0	4	0	0	0	0	8	0	0	0	0	0	0	0	4
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 PM	0	1	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:00 PM	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY 'Heavy Vehicles'	0	2	18	6	3	26	0	16	9	3	0	28	0	20	20	5	27	45	0	4	6	22	0	32	131

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026

Signal Warrants - Summary

Major Street Approaches

Northbound: CR 72

Number of Lanes : 2+

Total Approach Volume: 2,327

Southbound: CR 72

Number of Lanes :2+

Total Approach Volume: 1,161

Minor Street Approaches

Eastbound: 235th Ave

Number of Lanes :1

Total Approach Volume: 947

Westbound: 235th Ave

Number of Lanes :2+

Total Approach Volume: 586

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 4 hours, 8 are needed

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

Required volumes reached for 2 hours, 8 are needed

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

Required 1A volumes reached for 5 hours, 8 are needed

Required 1B volumes reached for 3 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 2676

Study Date : 09/24/2026

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

Site Data Required

Rural Settings Apply =
Number of Major Lanes =
Number of Minor Lanes =

True
2 or more
Mixed

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = 252

Veh/Hr Minor = 63 84

Major Road						Minor Road			
CR 72						235th Ave			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
16:30 - 17:30	326	+	103	=	429	81	47	Yes	
15:30 - 16:30	277	+	74	=	351	63	48	Yes	
17:30 - 18:30	212	+	88	=	300	67	51	Yes	
14:30 - 15:30	222	+	69	=	291	65	46	Yes	
14:15 - 15:15	209	+	64	=	273	58	42	No	
14:00 - 15:00	203	+	64	=	267	58	41	No	
13:45 - 14:45	184	+	63	=	247	49	38	No	
06:45 - 07:45	91	+	153	=	244	116	65	No	
06:30 - 07:30	78	+	146	=	224	103	65	No	
07:00 - 08:00	90	+	132	=	222	105	59	No	
19:00 - 20:00	171	+	38	=	209	31	18	No	
18:45 - 19:45	169	+	39	=	208	34	28	No	
07:15 - 08:15	97	+	110	=	207	99	47	No	
18:30 - 19:30	169	+	36	=	205	37	33	No	
19:15 - 20:15	166	+	35	=	201	27	13	No	
11:30 - 12:30	127	+	70	=	197	45	26	No	
11:45 - 12:45	130	+	61	=	191	47	22	No	
13:30 - 14:30	127	+	63	=	190	47	31	No	
06:15 - 07:15	48	+	142	=	190	103	52	No	
12:00 - 13:00	128	+	56	=	184	46	23	No	
11:15 - 12:15	118	+	65	=	183	38	25	No	
19:30 - 20:30	151	+	29	=	180	23	10	No	
07:30 - 08:30	79	+	95	=	174	86	37	No	
13:15 - 14:15	114	+	55	=	169	55	31	No	
11:00 - 12:00	112		56		168	34	27	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026

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

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **Mixed**

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **378**

Veh/Hr Minor = **31 42**

Major Road						Minor Road		
CR 72						235th Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	324	+	75	=	399	59	61	Yes
16:45 - 17:45	289	+	102	=	391	87	37	Yes
15:30 - 16:30	277	+	74	=	351	63	48	No
15:15 - 16:15	252	+	76	=	328	65	45	No
15:00 - 16:00	224	+	73	=	297	69	40	No
14:30 - 15:30	222	+	69	=	291	65	46	No
14:15 - 15:15	209	+	64	=	273	58	42	No
14:00 - 15:00	203	+	64	=	267	58	41	No
14:45 - 15:45	192	+	75	=	267	72	36	No
17:45 - 18:45	189	+	72	=	261	56	52	No
13:45 - 14:45	184	+	63	=	247	49	38	No
06:45 - 07:45	91	+	153	=	244	116	65	No
18:00 - 19:00	168	+	62	=	230	45	49	No
06:30 - 07:30	78	+	146	=	224	103	65	No
07:00 - 08:00	90	+	132	=	222	105	59	No
18:15 - 19:15	173	+	46	=	219	43	41	No
19:00 - 20:00	171	+	38	=	209	31	18	No
18:45 - 19:45	169	+	39	=	208	34	28	No
07:15 - 08:15	97	+	110	=	207	99	47	No
18:30 - 19:30	169	+	36	=	205	37	33	No
19:15 - 20:15	166	+	35	=	201	27	13	No
11:30 - 12:30	127	+	70	=	197	45	26	No
11:45 - 12:45	130	+	61	=	191	47	22	No
13:30 - 14:30	127	+	63	=	190	47	31	No
06:15 - 07:15	48		142		190	103	52	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026

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 5 hours meet 1A minimums.
Only 3 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **Mixed**

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **202 302**
Veh/Hr Minor EB = **50 25**
Veh/Hr Minor WB = **67 34**

Major Road						Minor Road				
CR 72						235th Ave				
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?		
16:00 - 17:00	315	+	89	=	404	63	58	Yes		
17:00 - 18:00	281	+	94	=	375	87	40	Yes		
15:00 - 16:00	224	+	73	=	297	69	40	Yes		
14:00 - 15:00	203	+	64	=	267	58	41	Yes		
06:30 - 07:30	78	+	146	=	224	103	65	Yes		
13:45 - 14:45	184	+	63	=	247	49	38	No		
18:00 - 19:00	168	+	62	=	230	45	49	No		
18:15 - 19:15	173	+	46	=	219	43	41	No		
19:00 - 20:00	171	+	38	=	209	31	18	No		
18:45 - 19:45	169	+	39	=	208	34	28	No		
18:30 - 19:30	169	+	36	=	205	37	33	No		
19:15 - 20:15	166		35		201	27	13	No		

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?	
16:15 - 17:15	332	+	99	=	431	82	59	Yes	
17:15 - 18:15	237	+	94	=	331	66	43	Yes	
15:15 - 16:15	252	+	76	=	328	65	45	Yes	
15:00 - 16:00	224	+	73	=	297	69	40	No	
14:30 - 15:30	222	+	69	=	291	65	46	No	
14:15 - 15:15	209	+	64	=	273	58	42	No	
14:45 - 15:45	192	+	75	=	267	72	36	No	
14:00 - 15:00	203	+	64	=	267	58	41	No	
13:45 - 14:45	184	+	63	=	247	49	38	No	
06:45 - 07:45	91	+	153	=	244	116	65	No	
06:30 - 07:30	78	+	146	=	224	103	65	No	
07:00 - 08:00	90	+	132	=	222	105	59	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026

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.

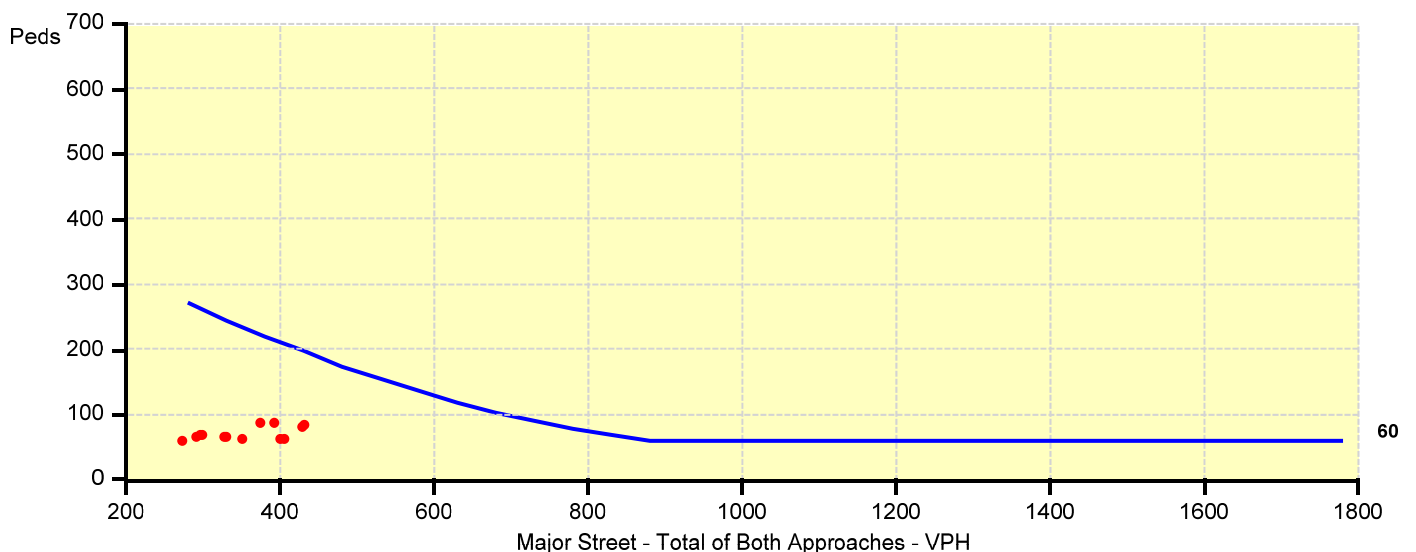
Summary

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

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **Mixed**

Major Road CR 72						Minor Road 235th Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:15 - 17:15	332	+	99	=	431	82	59	No
16:30 - 17:30	326	+	103	=	429	81	47	No
16:00 - 17:00	315	+	89	=	404	63	58	No
15:45 - 16:45	324	+	75	=	399	59	61	No
16:45 - 17:45	289	+	102	=	391	87	37	No
17:00 - 18:00	281	+	94	=	375	87	40	No
15:30 - 16:30	277	+	74	=	351	63	48	No
17:15 - 18:15	237	+	94	=	331	66	43	No
15:15 - 16:15	252	+	76	=	328	65	45	No
17:30 - 18:30	212	+	88	=	300	67	51	No
15:00 - 16:00	224	+	73	=	297	69	40	No
14:30 - 15:30	222	+	69	=	291	65	46	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026

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.

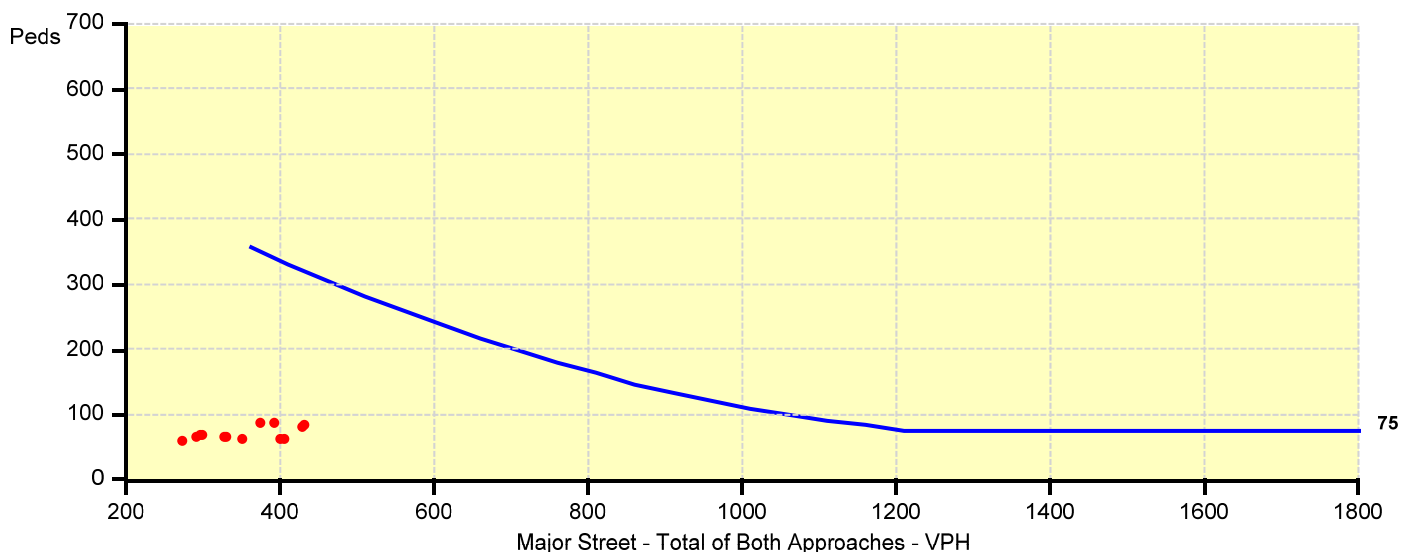
Summary

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

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **Mixed**

Major Road CR 72						Minor Road 235th Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:15 - 17:15	332	+	99	=	431	82	59	No
16:30 - 17:30	326	+	103	=	429	81	47	No
16:00 - 17:00	315	+	89	=	404	63	58	No
15:45 - 16:45	324	+	75	=	399	59	61	No
16:45 - 17:45	289	+	102	=	391	87	37	No
17:00 - 18:00	281	+	94	=	375	87	40	No
15:30 - 16:30	277	+	74	=	351	63	48	No
17:15 - 18:15	237	+	94	=	331	66	43	No
15:15 - 16:15	252	+	76	=	328	65	45	No
17:30 - 18:30	212	+	88	=	300	67	51	No
15:00 - 16:00	224	+	73	=	297	69	40	No
14:30 - 15:30	222	+	69	=	291	65	46	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2676

Study Date : 09/24/2026 1:16:15 PM

Multiway Stop Warrants - Summary

Major Street Approaches

Northbound: CR 72

Number of Lanes : 2+

Total Approach Volume: 2,327

Southbound: CR 72

Number of Lanes :2+

Total Approach Volume: 1,161

Minor Street Approaches

Eastbound: 235th Ave

Number of Lanes :2+

Total Approach Volume: 947

Westbound: 235th Ave

Number of Lanes :2+

Total Approach Volume: 586

Warrant Summary (Urban 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..... **Not Satisfied**
Average of 8 highest hours is less than 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 is less than volume criteria.

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:15 - 17:15	431	278.0	143	106.0	300	200	No
17:15 - 18:15	331		115				
15:15 - 16:15	328		110				
14:15 - 15:15	273		100				
06:45 - 07:45	244		181				
18:15 - 19:15	219		84				
19:15 - 20:15	201		40				
11:30 - 12:30	197		75				
13:15 - 14:15	169		86				
07:45 - 08:45	148		119				
10:15 - 11:15	146		63				
08:45 - 09:45	140		102				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:15 - 17:15	431	271.4	143	115.9	240	160	No
17:15 - 18:15	331		115				
15:15 - 16:15	328		110				
06:45 - 07:45	244		181				
14:15 - 15:15	273		100				
18:15 - 19:15	219		84				
11:30 - 12:30	197		75				
07:45 - 08:45	148		119				
13:15 - 14:15	169		86				
05:45 - 06:45	129		119				
19:15 - 20:15	201		40				
08:45 - 09:45	140		102				