

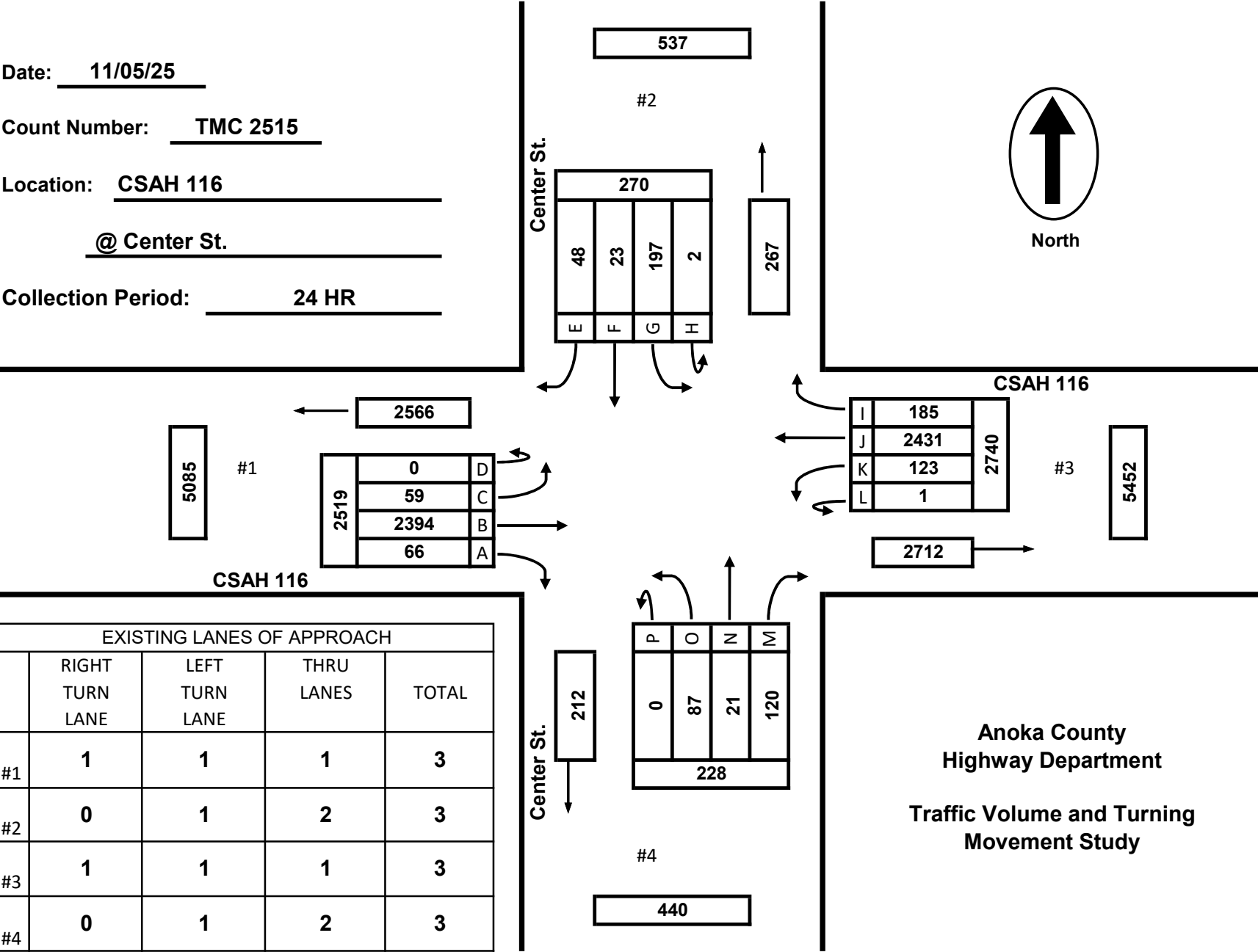
Date: 11/05/25

Count Number: TMC 2515

Location: CSAH 116

@ Center St.

Collection Period: 24 HR



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	1	1	3
#2	0	1	2	3
#3	1	1	1	3
#4	0	1	2	3

Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

Peak Hour: 7:15 AM - 8:15 AM

EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	1	1	3
#2	0	1	2	3
#3	1	1	1	3
#4	0	1	2	3

Peak Hour: 11:45 AM - 12:45 PM

EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	1	1	3
#2	0	1	2	3
#3	1	1	1	3
#4	0	1	2	3

Date: 11/05/25

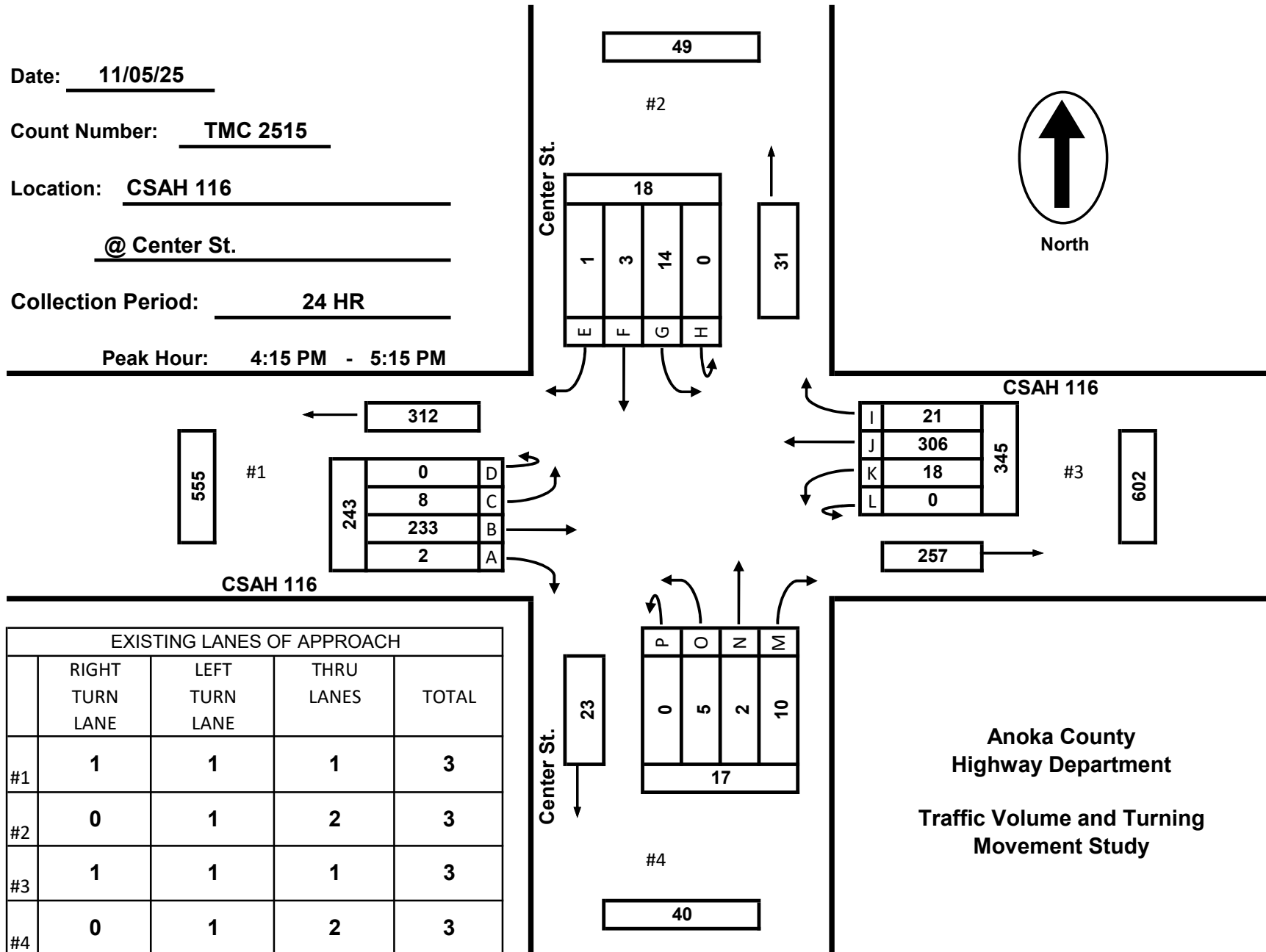
Count Number: TMC 2515

Location: CSAH 116

@ Center St.

Collection Period: 24 HR

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



**TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 2025**

Time	Southbound Center St.						Westbound CSAH 116						Northbound Center St.						Eastbound CSAH 116						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	1	2	1	0	4	0	0	0	0	0	0	0	2	1	0	0	3	7
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	0	0	3	4
12:30 AM	0	0	0	0	0	0	0	1	1	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
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 Total	0	0	0	0	0	0	0	2	3	2	0	7	0	1	0	0	0	0	1	0	3	3	0	6	14
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	1	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
1:45 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Hourly Total	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
2:00 AM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
2:15 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	0	0	0	0	0	0	4
2:30 AM	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
2:45 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly Total	0	1	0	0	0	1	0	1	8	1	0	10	0	0	0	1	0	1	0	0	0	0	0	0	12
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
3:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	2	3
3:45 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4	0	0	4	6
Hourly Total	0	0	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	0	0	5	1	0	6	11
4:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	5
4:15 AM	0	5	0	0	0	5	0	0	2	0	0	2	0	1	0	1	0	2	0	0	4	0	0	4	13
4:30 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	13	0	0	13	17
4:45 AM	0	2	0	0	0	2	0	0	5	0	0	5	0	0	0	0	0	0	0	0	16	0	0	16	23
Hourly Total	0	7	0	0	0	7	0	0	13	0	0	13	0	1	0	1	0	2	0	0	36	0	0	36	58
5:00 AM	0	1	0	0	0	1	0	1	2	0	0	3	0	0	1	1	0	2	0	0	13	0	0	13	19
5:15 AM	0	0	2	0	0	2	0	0	9	0	0	9	0	2	0	1	0	3	0	0	18	0	0	18	32
5:30 AM	0	1	0	1	0	2	0	0	14	0	0	14	0	1	0	0	0	1	0	0	24	0	0	24	41
5:45 AM	0	5	0	1	0	6	0	0	11	0	0	11	0	0	0	0	0	0	0	0	38	1	0	39	56
Hourly Total	0	7	2	2	0	11	0	1	36	0	0	37	0	3	1	2	0	6	0	0	93	1	0	94	148
6:00 AM	0	5	0	0	0	5	0	0	13	2	0	15	0	1	0	3	0	4	0	0	17	0	0	17	41
6:15 AM	0	6	0	1	0	7	0	1	18	0	1	19	0	1	0	2	0	3	0	0	32	2	0	34	63
6:30 AM	0	2	0	1	1	3	0	0	28	1	0	29	0	1	1	0	0	2	0	1	28	1	0	30	64
6:45 AM	0	7	0	3	0	10	0	1	35	0	0	36	0	3	0	3	0	6	0	0	56	2	0	58	110
Hourly Total	0	20	0	5	1	25	0	2	94	3	1	99	0	6	1	8	0	15	0	1	133	5	0	139	278
7:00 AM	0	5	1	2	0	8	0	0	23	1	0	24	0	0	0	1	0	1	0	0	65	1	0	66	99
7:15 AM	0	5	0	1	0	6	0	1	43	3	0	47	0	1	0	4	0	5	0	0	61	0	0	61	119
7:30 AM	0	6	1	2	0	9	0	1	44	5	0	50	0	2	0	1	0	3	0	1	50	1	0	52	114
7:45 AM	0	10	0	1	0	11	0	2	54	1	0	57	0	0	0	1	0	1	0	1	71	2	0	74	143
Hourly Total	0	26	2	6	0	34	0	4	164	10	0	178	0	3	0	7	0	10	0	2	247	4	0	253	475

**TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 2025**

Time	Southbound Center St.						Westbound CSAH 116						Northbound Center St.						Eastbound CSAH 116						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	2	0	1	0	3	0	0	33	2	0	35	0	1	0	1	0	2	0	0	61	0	0	61	101
8:15 AM	0	5	0	1	0	6	0	2	41	1	0	44	0	1	0	1	0	2	0	1	27	1	0	29	81
8:30 AM	0	7	1	2	0	10	0	1	18	1	0	20	0	2	0	3	0	5	0	0	38	1	0	39	74
8:45 AM	0	3	2	3	1	8	0	1	27	3	0	31	0	2	1	3	0	6	0	0	22	0	0	22	67
Hourly Total	0	17	3	7	1	27	0	4	119	7	0	130	0	6	1	8	0	15	0	1	148	2	0	151	323
9:00 AM	0	4	1	0	1	5	0	1	18	1	0	20	0	2	0	3	0	5	0	0	36	0	0	36	66
9:15 AM	0	7	1	1	0	9	0	1	32	2	0	35	0	2	1	4	0	7	0	1	23	0	0	24	75
9:30 AM	0	3	0	1	0	4	0	1	28	2	0	31	0	1	1	2	0	4	0	0	32	3	0	35	74
9:45 AM	0	2	0	0	0	2	0	2	19	1	0	22	0	2	0	1	0	3	0	1	28	1	0	30	57
Hourly Total	0	16	2	2	1	20	0	5	97	6	0	108	0	7	2	10	0	19	0	2	119	4	0	125	272
10:00 AM	0	2	1	0	0	3	0	2	27	1	0	30	0	2	0	0	0	2	0	0	20	0	0	20	55
10:15 AM	0	5	0	0	0	5	0	2	17	2	0	21	0	2	0	2	0	4	0	0	24	0	0	24	54
10:30 AM	0	2	0	1	0	3	0	2	27	2	0	31	0	2	0	4	0	6	0	0	24	1	0	25	65
10:45 AM	0	3	0	0	0	3	0	2	34	2	0	38	0	1	1	4	0	6	0	0	19	1	1	20	67
Hourly Total	0	12	1	1	0	14	0	8	105	7	0	120	0	7	1	10	0	18	0	0	87	2	1	89	241
11:00 AM	0	3	0	0	0	3	0	2	31	2	0	35	0	0	0	4	0	4	0	1	22	3	0	26	68
11:15 AM	0	1	0	0	0	1	0	2	25	2	0	29	0	2	0	2	0	4	0	0	23	0	1	23	57
11:30 AM	0	0	1	0	0	1	0	4	43	3	1	50	0	2	1	1	0	4	0	0	25	2	0	27	82
11:45 AM	0	3	0	0	0	3	0	1	42	1	0	44	0	1	0	1	0	2	0	0	33	3	0	36	85
Hourly Total	0	7	1	0	0	8	0	9	141	8	1	158	0	5	1	8	0	14	0	1	103	8	1	112	292
12:00 PM	0	2	0	1	0	3	0	0	46	2	0	48	0	0	0	2	0	2	0	1	43	1	0	45	98
12:15 PM	0	1	0	2	1	3	0	1	37	6	0	44	0	2	0	0	1	2	0	0	38	1	0	39	88
12:30 PM	0	2	1	1	0	4	0	9	33	1	0	43	0	3	0	2	1	5	0	1	32	2	0	35	87
12:45 PM	0	3	1	0	0	4	0	2	30	1	0	33	0	0	0	2	0	2	0	1	27	2	0	30	69
Hourly Total	0	8	2	4	1	14	0	12	146	10	0	168	0	5	0	6	2	11	0	3	140	6	0	149	342
1:00 PM	0	2	0	0	1	2	0	2	38	4	0	44	0	0	1	0	0	1	0	2	26	0	1	28	75
1:15 PM	0	2	0	2	1	4	0	4	34	4	1	42	0	0	0	2	0	2	0	0	28	1	0	29	77
1:30 PM	0	4	0	1	0	5	0	2	28	0	1	30	0	2	0	1	0	3	0	4	43	0	0	47	85
1:45 PM	0	2	0	1	1	3	0	1	29	3	0	33	0	3	0	5	0	8	0	1	38	0	0	39	83
Hourly Total	0	10	0	4	3	14	0	9	129	11	2	149	0	5	1	8	0	14	0	7	135	1	1	143	320
2:00 PM	0	2	0	0	1	2	0	2	34	3	0	39	0	1	0	0	0	1	0	2	37	0	0	39	81
2:15 PM	0	3	2	1	0	6	0	2	42	1	0	45	0	2	1	2	0	5	0	1	52	0	0	53	109
2:30 PM	0	0	1	1	0	2	0	1	47	4	0	52	0	1	0	2	0	3	0	1	31	0	0	32	89
2:45 PM	0	1	2	1	0	4	0	4	54	2	0	60	0	4	0	0	0	4	0	3	35	2	0	40	108
Hourly Total	0	6	5	3	1	14	0	9	177	10	0	196	0	8	1	4	0	13	0	7	155	2	0	164	387
3:00 PM	0	3	0	0	0	3	0	2	47	4	0	53	0	2	1	2	0	5	0	2	51	0	0	53	114
3:15 PM	0	2	0	1	1	3	0	1	52	3	0	56	0	3	0	0	0	3	0	2	48	1	1	51	113
3:30 PM	0	1	0	0	0	1	0	6	87	5	0	98	0	4	0	3	0	7	0	0	47	2	0	49	155
3:45 PM	0	5	0	0	2	5	0	2	64	4	2	70	0	0	0	1	1	1	0	2	50	1	2	53	129
Hourly Total	0	11	0	1	3	12	0	11	250	16	2	277	0	9	1	6	1	16	0	6	196	4	3	206	511

**TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 2025**

Time	Southbound Center St.						Westbound CSAH 116						Northbound Center St.						Eastbound CSAH 116						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	0	1	0	3	0	2	74	4	0	80	0	1	2	2	0	5	0	0	49	2	0	51	139
4:15 PM	0	5	2	0	1	7	0	3	60	4	0	67	0	2	0	1	0	3	0	3	42	0	0	45	122
4:30 PM	0	7	0	0	9	7	0	6	88	5	0	99	0	0	0	3	0	3	0	0	60	0	1	60	169
4:45 PM	0	1	0	0	4	1	0	6	83	5	0	94	0	1	2	2	0	5	0	4	65	0	1	69	169
Hourly Total	0	15	2	1	14	18	0	17	305	18	0	340	0	4	4	8	0	16	0	7	216	2	2	225	599
5:00 PM	0	1	1	1	0	3	0	3	75	7	0	85	0	2	0	4	0	6	0	1	66	2	0	69	163
5:15 PM	0	3	0	1	0	4	0	2	51	5	0	58	0	3	1	4	0	8	0	1	45	0	0	46	116
5:30 PM	0	4	0	0	0	4	0	3	64	5	1	72	0	3	0	4	0	7	0	1	49	5	0	55	138
5:45 PM	1	2	0	0	0	3	0	1	53	3	0	57	0	1	1	1	0	3	0	3	37	1	0	41	104
Hourly Total	1	10	1	2	0	14	0	9	243	20	1	272	0	9	2	13	0	24	0	6	197	8	0	211	521
6:00 PM	0	1	1	0	0	2	0	0	44	4	0	48	0	1	1	3	0	5	0	1	36	1	0	38	93
6:15 PM	0	5	0	3	0	8	0	1	28	3	0	32	0	0	0	1	0	1	0	1	31	2	0	34	75
6:30 PM	0	2	0	3	0	5	0	1	32	6	0	39	0	1	1	4	0	6	0	3	26	1	0	30	80
6:45 PM	0	3	0	0	0	3	0	2	32	4	0	38	0	1	0	1	0	2	0	0	27	2	0	29	72
Hourly Total	0	11	1	6	0	18	0	4	136	17	0	157	0	3	2	9	0	14	0	5	120	6	0	131	320
7:00 PM	1	1	0	1	0	3	0	2	21	4	0	27	0	0	0	0	0	0	0	1	44	0	0	45	75
7:15 PM	0	2	0	0	0	2	0	0	22	0	0	22	0	0	1	0	0	1	0	1	23	0	0	24	49
7:30 PM	0	1	0	1	0	2	0	1	30	6	0	37	0	1	1	1	0	3	0	0	18	1	0	19	61
7:45 PM	0	4	0	0	0	4	0	2	31	2	0	35	0	0	0	3	0	3	0	1	8	1	0	10	52
Hourly Total	1	8	0	2	0	11	0	5	104	12	0	121	0	1	2	4	0	7	0	3	93	2	0	98	237
8:00 PM	0	0	0	1	0	1	0	1	15	2	0	18	0	0	0	2	0	2	0	1	32	1	0	34	55
8:15 PM	0	2	0	1	0	3	0	0	12	3	0	15	0	0	0	2	0	2	0	0	22	3	0	25	45
8:30 PM	0	1	0	0	0	1	0	0	21	3	0	24	0	0	0	0	0	0	0	0	13	1	0	14	39
8:45 PM	0	0	0	0	0	0	0	0	21	4	0	25	0	1	1	0	0	2	0	1	13	1	0	15	42
Hourly Total	0	3	0	2	0	5	0	1	69	12	0	82	0	1	1	4	0	6	0	2	80	6	0	88	181
9:00 PM	0	1	1	0	0	2	1	1	14	0	0	16	0	0	0	0	0	0	0	0	27	0	0	27	45
9:15 PM	0	0	0	0	0	0	0	1	16	2	0	19	0	0	0	2	0	2	0	0	10	0	0	10	31
9:30 PM	0	0	0	0	0	0	0	0	11	2	0	13	0	1	0	0	0	1	0	1	9	1	0	11	25
9:45 PM	0	0	0	0	0	0	0	1	12	2	0	15	0	1	0	0	0	1	0	0	4	0	0	4	20
Hourly Total	0	1	1	0	0	2	1	3	53	6	0	63	0	2	0	2	0	4	0	1	50	1	0	52	121
10:00 PM	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	10	1	0	11	15
10:15 PM	0	0	0	0	0	0	0	0	6	2	0	8	0	0	0	0	0	0	0	0	11	0	0	11	19
10:30 PM	0	0	0	0	0	0	0	1	2	0	0	3	0	1	0	0	0	1	0	0	3	0	0	3	7
10:45 PM	0	0	0	0	0	0	0	2	2	1	0	5	0	0	0	0	0	0	0	1	8	0	0	9	14
Hourly Total	0	1	0	0	0	1	0	3	12	4	0	19	0	1	0	0	0	1	0	1	32	1	0	34	55
11:00 PM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	1	2	0	0	3	6
11:15 PM	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	3	0	0	3	9
11:30 PM	0	0	0	0	0	0	0	2	3	1	0	6	0	0	0	1	0	1	0	0	1	0	0	1	8
11:45 PM	0	0	0	0	0	0	0	1	5	2	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Hourly Total	0	0	0	0	0	0	0	3	16	4	0	23	0	0	0	1	0	1	0	1	6	0	0	7	31
DAILY TOTAL	2	197	23	48	25	270	1	123	2431	185	7	2740	0	87	21	120	3	228	0	59	2394	66	8	2519	5757
Cars	2	189	18	47	19	256	1	120	2338	180	6	2639	0	79	21	108	3	208	0	57	2319	58	6	2434	5537
Heavy Vehicles	0	8	5	1	6	14	0	3	93	5	1	101	0	8	0	12	0	20	0	2	75	8	2	85	220
Heavy Vehicle %	0.00%	4.06%	21.74%	2.08%	24.00%	5.19%	0.00%	2.44%	3.83%	2.70%	14.29%	3.69%	0.00%	9.20%	0.00%	10.00%	0.00%	8.77%	0.00%	3.39%	3.13%	12.12%	25.00%	3.37%	3.82%

TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 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	
7:15 AM	0	5	0	1	0	6	0	1	43	3	0	47	0	1	0	4	0	5	0	0	61	0	0	61	119
7:30 AM	0	6	1	2	0	9	0	1	44	5	0	50	0	2	0	1	0	3	0	1	50	1	0	52	114
7:45 AM	0	10	0	1	0	11	0	2	54	1	0	57	0	0	0	1	0	1	0	1	71	2	0	74	143
8:00 AM	0	2	0	1	0	3	0	0	33	2	0	35	0	1	0	1	0	2	0	0	61	0	0	61	101
Peak Hour Total	0	23	1	5	0	29	0	4	174	11	0	189	0	4	0	7	0	11	0	2	243	3	0	248	477
Peak Hour Heavy Vehicles	0	0	1	0	0	1	0	0	14	2	0	16	0	0	0	1	0	1	0	1	9	0	0	10	28
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	100.00%	0.00%	0.00%	3.45%	0.00%	0.00%	8.05%	18.18%	0.00%	8.47%	0.00%	0.00%	0.00%	14.29%	0.00%	9.09%	0.00%	50.00%	3.70%	0.00%	0.00%	4.03%	5.87%
	0.00%	0.575	0.250	0.625	0.000	0.659	0.000	0.500	0.806	0.550	0.000	0.829	0.000	0.500	0.000	0.438	0.000	0.550	0.000	0.500	0.856	0.375	0.000	0.838	0.834

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	
11:45 AM	0	3	0	0	0	3	0	1	42	1	0	44	0	1	0	1	0	2	0	0	33	3	0	36	85
12:00 PM	0	2	0	1	0	3	0	0	46	2	0	48	0	0	0	2	0	2	0	1	43	1	0	45	98
12:15 PM	0	1	0	2	1	3	0	1	37	6	0	44	0	2	0	0	1	2	0	0	38	1	0	39	88
12:30 PM	0	2	1	1	0	4	0	9	33	1	0	43	0	3	0	2	1	5	0	1	32	2	0	35	87
Peak Hour Total	0	8	1	4	1	13	0	11	158	10	0	179	0	6	0	5	2	11	0	2	146	7	0	155	358
Peak Hour Heavy Vehicles	0	0	0	0	0	0	0	1	10	0	0	11	0	1	0	0	0	1	0	0	9	0	0	9	21
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.09%	6.33%	0.00%	0.00%	6.15%	0.00%	16.67%	0.00%	0.00%	0.00%	9.09%	0.00%	0.00%	6.16%	0.00%	0.00%	5.81%	5.87%
	0.00%	0.667	0.250	0.500	0.250	0.813	0.000	0.306	0.859	0.417	0.000	0.932	0.000	0.500	0.000	0.625	0.500	0.550	0.000	0.500	0.849	0.583	0.000	0.861	0.913

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	5	2	0	1	7	0	3	60	4	0	67	0	2	0	1	0	3	0	3	42	0	0	45	122
4:30 PM	0	7	0	0	9	7	0	6	88	5	0	99	0	0	0	3	0	3	0	0	60	0	1	60	169
4:45 PM	0	1	0	0	4	1	0	6	83	5	0	94	0	1	2	2	0	5	0	4	65	0	1	69	169
5:00 PM	0	1	1	1	0	3	0	3	75	7	0	85	0	2	0	4	0	6	0	1	66	2	0	69	163
Peak Hour Total	0	14	3	1	14	18	0	18	306	21	0	345	0	5	2	10	0	17	0	8	233	2	2	243	623
Peak Hour Heavy Vehicles	0	1	1	0	4	2	0	0	3	1	0	4	0	0	0	0	4	0	0	0	7	0	0	7	13
Peak Hour Heavy Vehicles % PHF	0.00%	7.14%	33.33%	0.00%	28.57%	11.11%	0.00%	0.00%	0.98%	4.76%	0.00%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	0.00%	0.00%	2.88%	2.09%
	0.00%	0.500	0.375	0.250	0.389	0.643	0.000	0.750	0.869	0.750	0.000	0.871	0.000	0.625	0.250	0.625	0.000	0.708	0.000	0.500	0.883	0.250	0.500	0.880	0.922

Total Vehicles On Leg			537		
Vehicles Entering Intersection 270			Vehicles Exiting Intersection 267		
Southbound					
Cars	47	18	189	2	19
Heavy	1	5	8	0	6
Total	48	23	197	2	25



Total Vehicles on Leg 5085	Vehicles Entering Intersection 2519	Eastbound	Cars	Heavy	Total	
			6	2	8	
	Vehicles Exiting Intersection 2566		0	0	0	
			57	2	59	
			2319	75	2394	
			58	8	66	



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 2740	Total Vehicles on Leg 5452
180	5	185			
2338	93	2431			
120	3	123			
1	0	1			
6	1	7			



Cars	3	0	79	21	108
Heavy	0	0	8	0	12
Total	3	0	87	21	120
Northbound					
Vehicles Entering Intersection 228			Vehicles Exiting Intersection 212		
Total Vehicles On Leg			440		



TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 2025

Time	Southbound Heavy Center St.						Westbound Heavy CSAH 116						Northbound Heavy Center St.						Eastbound Heavy CSAH 116						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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	1	0	2	4
6:30 AM	0	1	0	0	1	1	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	1	0	2	7
6:45 AM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	1	0	1	0	0	2	0	0	2	6
Hourly 'Heavy Vehicles'	0	2	0	1	1	3	0	0	7	0	0	7	0	0	0	1	0	1	0	0	4	2	0	6	17
7:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	3
7:15 AM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	4	0	0	4	7
7:30 AM	0	0	1	0	0	1	0	0	6	1	0	7	0	0	0	0	0	0	0	1	1	0	0	2	10
7:45 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	1	0	1	0	0	1	0	0	1	6
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	13	2	0	15	0	0	0	2	0	2	0	1	7	0	0	8	26

TMC 2515 - CSAH 116 @ Center St.
 Ramsey MN
 Wednesday, November 5, 2025

Time	Southbound Heavy Center St.						Westbound Heavy CSAH 116						Northbound Heavy Center St.						Eastbound Heavy CSAH 116						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	0	0	0	0	0	3	0	0	3	5
8:15 AM	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	1	0	2	7
8:30 AM	0	1	1	0	0	2	0	0	3	0	0	3	0	0	0	1	0	1	0	0	1	0	0	1	7
8:45 AM	0	0	1	0	0	1	0	0	4	0	0	4	0	0	0	1	0	1	0	0	2	0	0	2	8
Hourly 'Heavy Vehicles'	0	1	2	0	0	3	0	0	14	0	0	14	0	0	0	2	0	2	0	0	7	1	0	8	27
9:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	1	0	0	3	0	0	3	6
9:15 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	1	0	0	3	0	0	3	7
9:30 AM	0	0	0	0	0	0	0	1	2	0	0	3	0	1	0	2	0	3	0	0	1	1	0	2	8
9:45 AM	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	6
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	1	9	0	0	10	0	2	0	3	0	5	0	0	10	1	0	11	27
10:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
10:30 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3
10:45 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	7
11:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2	4
11:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	2	4
11:30 AM	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
11:45 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	5
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	10	0	0	10	0	1	0	0	0	1	0	0	4	2	0	6	18
12:00 PM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	6
12:15 PM	0	0	0	0	0	0	0	1	4	0	0	5	0	1	0	0	0	1	0	0	2	0	0	2	8
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
12:45 PM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	0	0	1	0	0	1	5
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	1	10	0	0	11	0	1	0	1	0	2	0	0	8	0	0	8	21
1:00 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3
1:15 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
1:30 PM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	5
1:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	6	1	0	7	0	1	0	0	0	1	0	0	3	0	0	3	12
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
2:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	4	0	0	4	6
2:30 PM	0	0	1	0	0	1	0	0	4	1	0	5	0	1	0	0	0	1	0	1	6	0	0	7	14
2:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	6	1	0	7	0	1	0	1	0	2	0	1	12	0	0	13	23
3:00 PM	0	1	0	0	0	1	0	1	1	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	5
3:15 PM	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	2
3:30 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	3
3:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	4	0	2	4	5
Hourly 'Heavy Vehicles'	0	1	0	0	1	1	0	1	3	0	1	4	0	2	0	1	0	3	0	0	6	1	2	7	15

TMC 2515 - CSAH 116 @ Center St.
Ramsey MN
Wednesday, November 5, 2025

Time	Southbound Heavy Center St.						Westbound Heavy CSAH 116						Northbound Heavy Center St.						Eastbound Heavy CSAH 116						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	2	0	0	2	0	0	0	1	0	1	0	0	2	0	0	2	5
4:15 PM	0	0	1	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	6
4:30 PM	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
4:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Hourly 'Heavy Vehicles'	0	1	1	0	4	2	0	0	4	0	0	4	0	0	0	1	0	1	0	0	9	0	0	9	16
5:00 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	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
5:45 PM	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
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	2	0	0	2	5
6:00 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
6:15 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
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
6:45 PM	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
7:00 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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	1	1
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	1	0	0	1	1
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	8	5	1	6	14	0	3	93	5	1	101	0	8	0	12	0	20	0	2	75	8	2	85	220

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2515
Date	11/05/2025
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (E/W Road)	CSAH 116	Minor Street (N/S Road)	Center St.
Analyzed with	2 or more approach lanes	Analyzed with	2 or more approach lanes
Total Approach Volume	5260 vehicles	Total Approach Volume	497 vehicles
Total Ped/Bike Volume	15 crossings	Total Ped/Bike Volume	28 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.

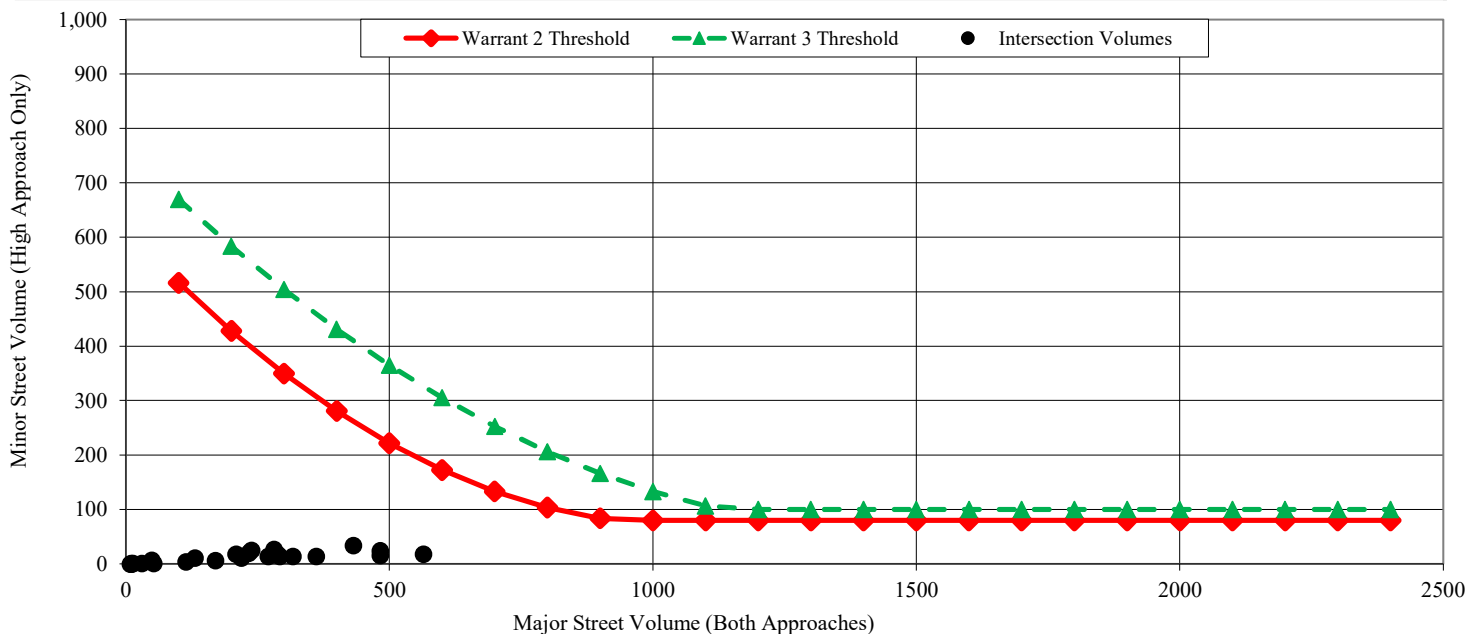
Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Not Satisfied	Not Satisfied
Required values reached for	0 hours	0 hours	0 (Cond. A) & 0 (Cond. B)
Criteria - Major Street (veh/hr)	420	630	336 (Cond. A) & 504 (Cond. B)
Criteria - Minor Street (veh/hr)	140	70	112 (Cond. A) & 56 (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	0 hours
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-2 (Warrant 2 - 70% Factor) & Figure 4C-4 (Warrant 3 - 70% Factor)



Traffic Signal Warrant Analysis

Multi-Way Stop Warrants

TMC	2515
Date	11/05/2025
Intersection Geometrics	Thru-Stop

Intersection Information			
Major Street (E/W Road)	CSAH 116	Minor Street (N/S Road)	Center St.
Analyzed with	2 or more approach lanes	Analyzed with	2 or more approach lanes
Total Approach Volume	5260 vehicles	Total Approach Volume	497 vehicles
Total Ped/Bike Volume	15 crossings	Total Ped/Bike Volume	28 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	0 percent applied

Reduction applied to Multi-Way Stop Warrant thresholds due to high speeds on CSAH 116.

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	0 hours & sec. average delay/veh
Criteria - Major Street (veh/hr)	210 for any 8 hours of an average day
Criteria - Minor Street (total vol-veh, ped, & bikes/hr)	140 for the same 8 hours of an average day
Criteria - Delay (average sec/veh)	30 during the highest hour

Condition D - Combination Volume, Crash Experience, & Delay	
Condition Satisfied?	Not Examined
Required values reached for	
Criteria - Major Street (veh/hr)	
Criteria - Minor Street (total vol-veh, ped, & bikes/hr)	
Criteria - Crash Experience	
Criteria - Delay (average sec/veh)	