

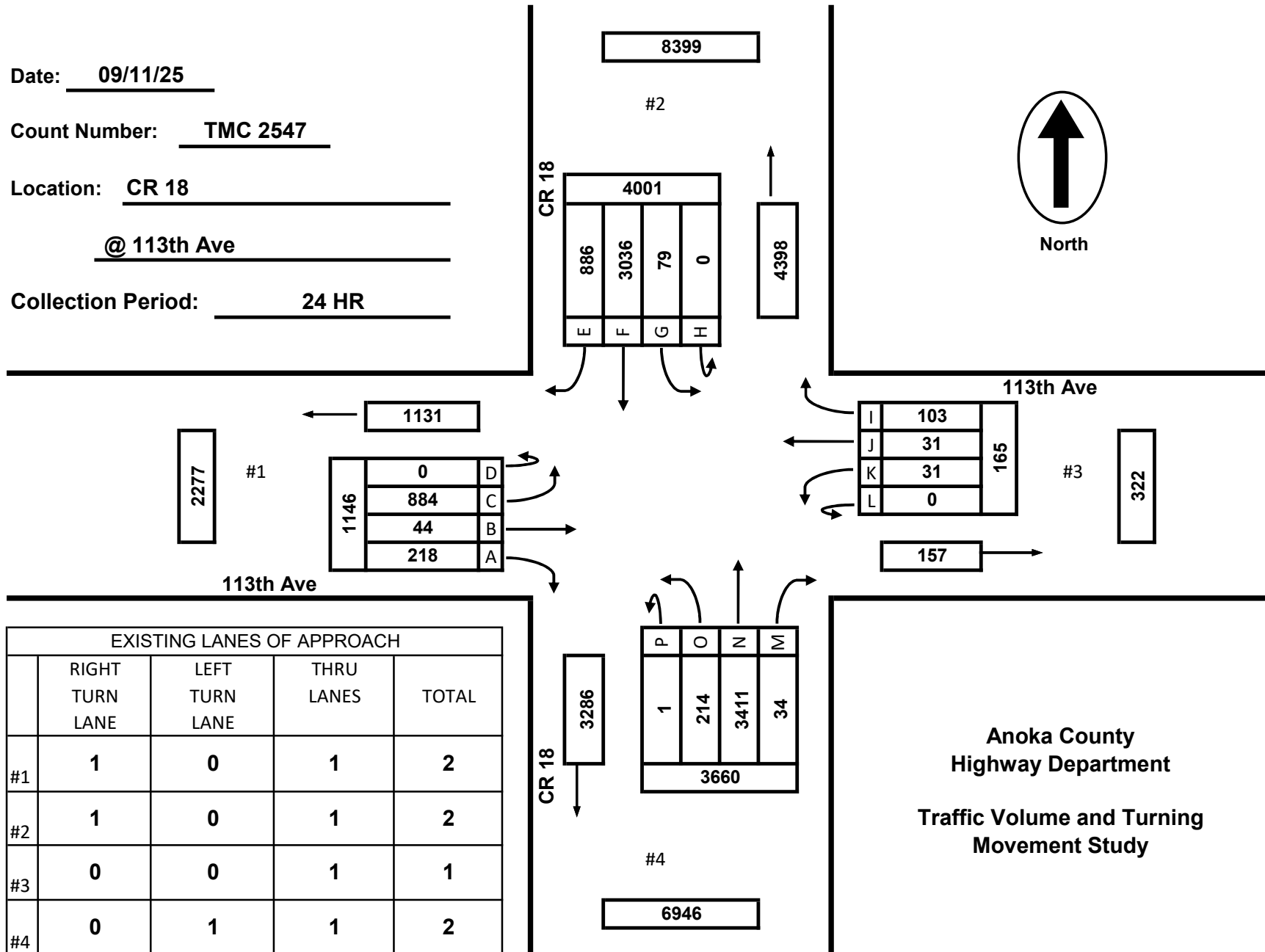
Date: 09/11/25

Count Number: TMC 2547

Location: CR 18

@ 113th Ave

Collection Period: 24 HR



Date: 09/11/25

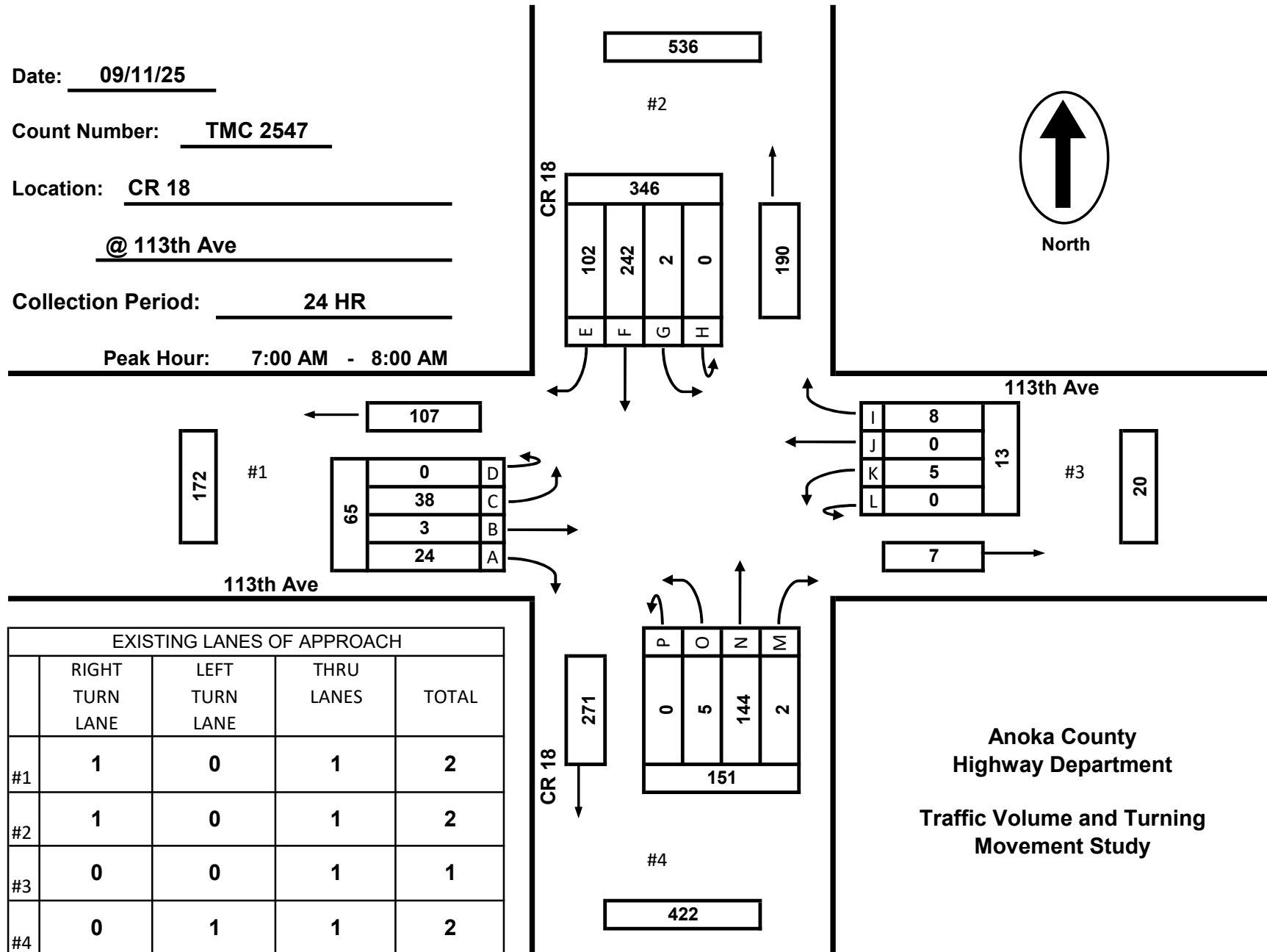
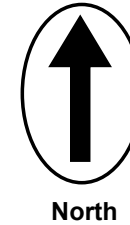
Count Number: TMC 2547

Location: CR 18

@ 113th Ave

Collection Period: 24 HR

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



Date: 09/11/25

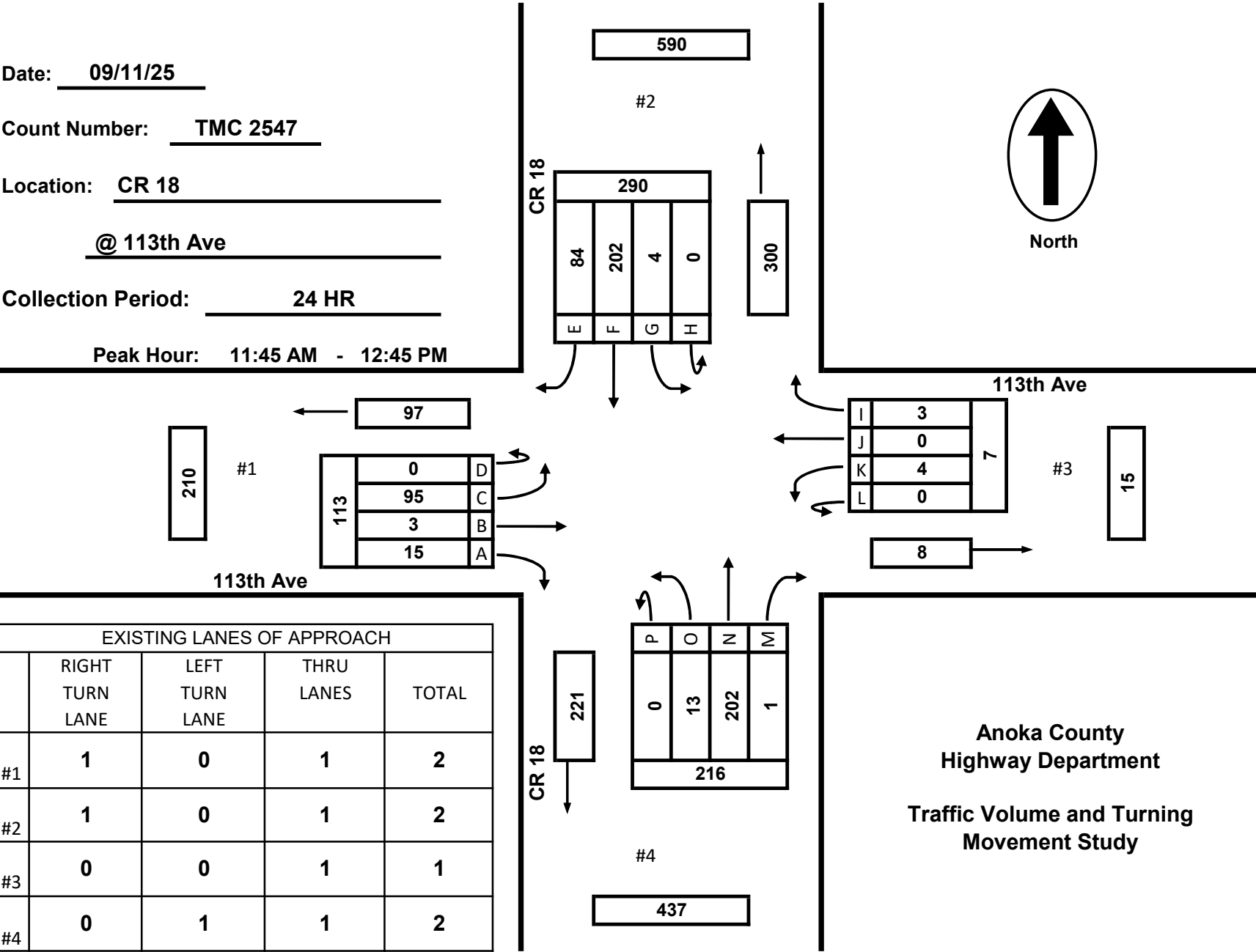
Count Number: TMC 2547

Location: CR 18

@ 113th Ave

Collection Period: 24 HR

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



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

Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

Date: 09/11/25

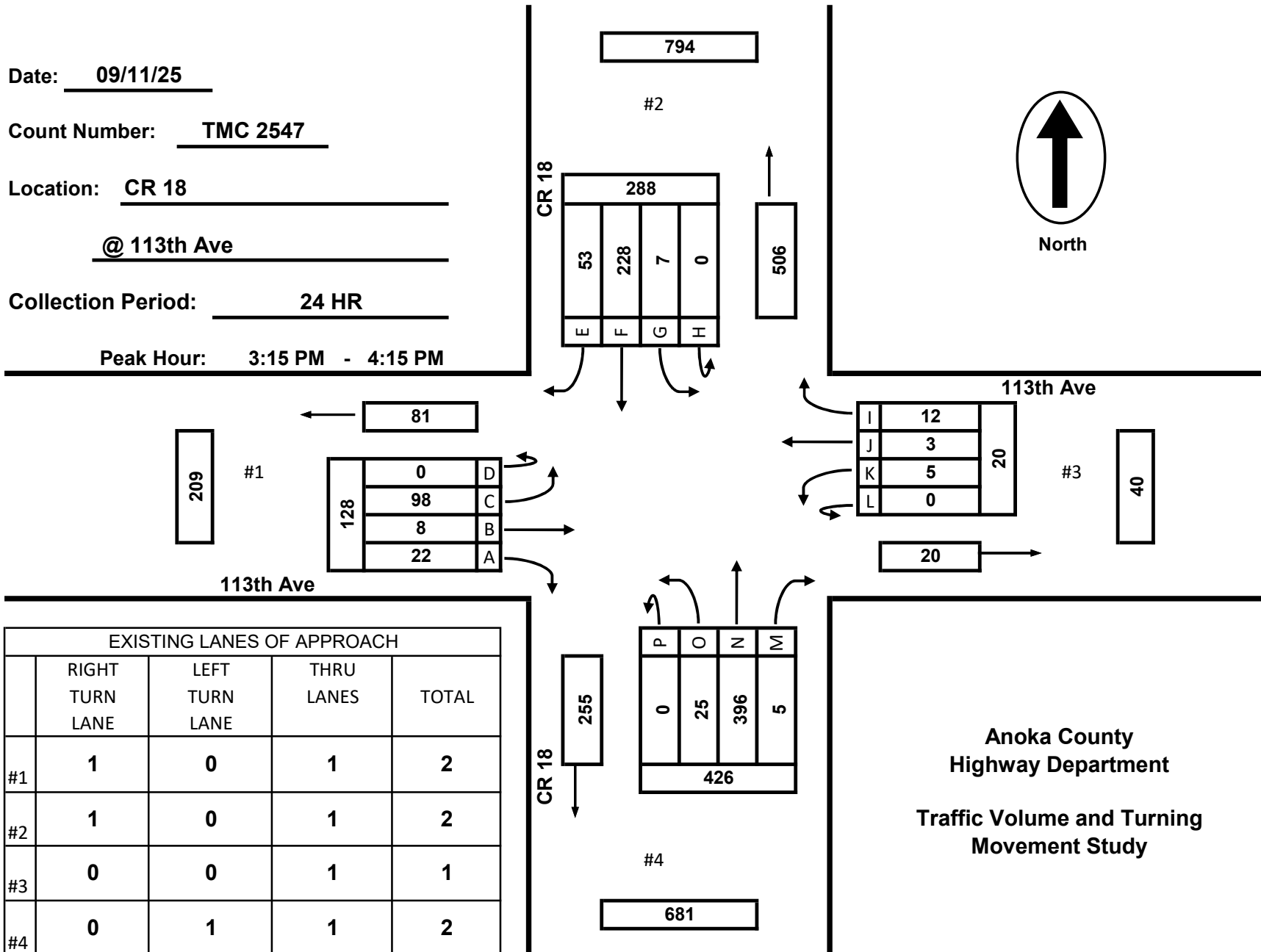
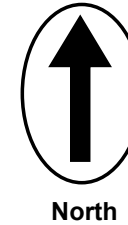
Count Number: TMC 2547

Location: CR 18

@ 113th Ave

Collection Period: 24 HR

Peak Hour: 3:15 PM - 4:15 PM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

**TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025**

Time	Southbound CR 18						Westbound 113th Ave						Northbound CR 18						Eastbound 113th 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	2	1	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	3	0	2	0	0	0	2	8
12:15 AM	0	1	3	0	0	4	0	1	0	0	0	1	0	0	3	0	0	0	3	0	0	0	0	0	0	8
12:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	1	0	3	0	0	0	4	0	1	0	0	0	1	6
12:45 AM	0	2	2	0	0	4	0	0	0	0	0	0	0	1	3	0	0	0	4	0	0	0	0	0	0	8
Hourly Total	0	5	7	0	0	12	0	1	0	0	0	1	1	1	12	0	0	0	14	0	3	0	0	0	3	30
1:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	3	0	1	0	1	0	2	6
1:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	1	0	0	1	6
1:30 AM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	2	0	0	0	2	0	0	0	1	0	1	5
1:45 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
Hourly Total	0	0	3	2	0	5	0	0	0	1	0	1	0	0	8	0	0	0	8	0	1	2	2	0	5	19
2:00 AM	0	0	1	0	0	1	0	0	0	1	0	1	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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	4
2:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	5
Hourly Total	0	0	4	0	0	4	0	0	0	2	0	2	0	0	6	0	0	0	6	0	1	0	0	0	1	13
3:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	3	0	0	3	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	5
3:30 AM	0	0	4	0	0	4	0	1	0	0	0	1	0	0	3	0	0	0	3	0	0	0	0	0	0	8
3:45 AM	0	0	1	0	0	1	0	0	0	1	0	1	0	1	5	1	0	0	7	0	0	0	0	0	0	9
Hourly Total	0	0	8	1	0	9	0	1	0	2	0	3	0	1	9	1	0	0	11	0	0	0	0	0	0	23
4:00 AM	0	0	5	1	0	6	0	0	0	1	0	1	0	0	1	0	0	0	1	0	2	0	0	0	2	10
4:15 AM	0	0	6	0	0	6	0	0	0	1	0	1	0	0	3	0	0	0	3	0	0	0	1	0	1	11
4:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	7
4:45 AM	0	1	5	1	0	7	0	0	0	2	0	2	0	0	7	0	0	0	7	0	0	0	1	0	1	17
Hourly Total	0	1	20	2	0	23	0	0	0	4	0	4	0	0	13	0	0	0	13	0	2	0	3	0	5	45
5:00 AM	0	0	11	1	0	12	0	0	0	0	0	0	0	0	4	0	0	0	4	0	2	0	0	0	2	18
5:15 AM	0	0	16	1	0	17	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	0	1	0	1	24
5:30 AM	0	0	19	1	0	20	0	0	0	1	0	1	0	0	12	1	0	0	13	0	3	0	3	0	6	40
5:45 AM	0	0	11	1	0	12	0	1	2	1	0	4	0	2	9	0	0	0	11	0	1	0	3	0	4	31
Hourly Total	0	0	57	4	0	61	0	1	2	2	0	5	0	2	31	1	0	0	34	0	6	0	7	0	13	113
6:00 AM	0	0	22	2	0	24	0	0	1	1	0	2	0	0	4	0	0	0	4	0	1	0	3	0	4	34
6:15 AM	0	0	27	7	0	34	0	0	1	1	0	2	0	0	7	0	0	0	7	0	2	0	5	0	7	50
6:30 AM	0	1	37	9	0	47	0	0	1	1	0	2	0	3	15	0	0	0	18	0	4	0	2	0	6	73
6:45 AM	0	0	48	7	0	55	0	0	2	2	0	4	0	0	16	0	0	0	16	0	9	0	5	0	14	89
Hourly Total	0	1	134	25	0	160	0	0	5	5	0	10	0	3	42	0	0	0	45	0	16	0	15	0	31	246
7:00 AM	0	0	62	9	0	71	0	3	0	2	0	5	0	2	35	0	0	0	37	0	10	2	5	0	17	130
7:15 AM	0	1	51	8	0	60	0	1	0	2	0	3	0	1	33	1	0	0	35	0	8	0	7	0	15	113
7:30 AM	0	0	68	37	0	105	0	1	0	1	0	2	0	1	29	0	0	0	30	0	11	0	8	0	19	156
7:45 AM	0	1	61	48	0	110	0	0	0	3	0	3	0	1	47	1	0	0	49	0	9	1	4	0	14	176
Hourly Total	0	2	242	102	0	346	0	5	0	8	0	13	0	5	144	2	0	0	151	0	38	3	24	0	65	575

TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025

Time	Southbound CR 18						Westbound 113th Ave						Northbound CR 18						Eastbound 113th 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	1	55	22	0	78	0	0	2	0	0	2	0	2	31	0	0	33	0	9	0	2	0	11	124
8:15 AM	0	1	51	15	0	67	0	0	0	2	0	2	0	1	31	0	0	32	0	5	0	2	0	7	108
8:30 AM	0	1	46	18	0	65	0	0	0	2	0	2	0	5	37	0	0	42	0	7	0	7	0	14	123
8:45 AM	0	2	46	29	0	77	0	0	0	1	0	1	0	1	44	0	0	45	0	12	1	3	0	16	139
Hourly Total	0	5	198	84	0	287	0	0	2	5	0	7	0	9	143	0	0	152	0	33	1	14	0	48	494
9:00 AM	0	0	56	13	0	69	0	0	0	2	0	2	0	2	52	0	0	54	0	8	0	5	1	13	138
9:15 AM	0	1	55	26	1	82	0	0	0	2	0	2	0	1	53	1	0	55	0	15	2	4	2	21	160
9:30 AM	0	0	34	19	0	53	0	0	0	2	0	2	0	2	45	1	0	48	0	16	0	5	1	21	124
9:45 AM	0	0	39	18	0	57	0	0	0	1	0	1	0	4	30	0	0	34	0	16	0	3	1	19	111
Hourly Total	0	1	184	76	1	261	0	0	0	7	0	7	0	9	180	2	0	191	0	55	2	17	5	74	533
10:00 AM	0	1	36	17	0	54	0	0	0	1	0	1	0	1	36	0	0	37	0	17	0	1	0	18	110
10:15 AM	0	2	31	16	0	49	0	0	0	1	0	1	0	1	34	0	0	35	0	11	0	0	0	11	96
10:30 AM	0	0	32	20	0	52	0	0	0	4	0	4	0	0	36	0	0	36	0	7	0	5	1	12	104
10:45 AM	0	3	31	24	0	58	0	1	0	1	0	2	0	1	34	0	0	35	0	26	0	3	0	29	124
Hourly Total	0	6	130	77	0	213	0	1	0	7	0	8	0	3	140	0	0	143	0	61	0	9	1	70	434
11:00 AM	0	2	44	15	0	61	0	1	0	1	0	2	0	3	42	1	0	46	0	13	0	5	0	18	127
11:15 AM	0	3	43	12	0	58	0	0	0	5	0	5	0	1	46	0	0	47	0	18	0	1	0	19	129
11:30 AM	0	1	45	15	0	61	0	0	1	1	0	2	0	1	35	0	0	36	0	16	0	3	0	19	118
11:45 AM	0	2	53	28	0	83	0	0	0	1	0	1	0	2	49	0	0	51	0	22	0	3	1	25	160
Hourly Total	0	8	185	70	0	263	0	1	1	8	0	10	0	7	172	1	0	180	0	69	0	12	1	81	534
12:00 PM	0	1	42	16	0	59	0	1	0	1	0	2	0	2	51	1	0	54	0	24	2	5	2	31	146
12:15 PM	0	1	51	20	0	72	0	1	0	1	0	2	0	3	47	0	0	50	0	32	1	4	0	37	161
12:30 PM	0	0	56	20	0	76	0	2	0	0	0	2	0	6	55	0	0	61	0	17	0	3	2	20	159
12:45 PM	0	2	43	18	0	63	0	1	0	0	0	1	0	3	42	2	0	47	0	26	0	2	0	28	139
Hourly Total	0	4	192	74	0	270	0	5	0	2	0	7	0	14	195	3	0	212	0	99	3	14	4	116	605
1:00 PM	0	0	51	14	0	65	0	0	1	0	0	1	0	3	58	1	0	62	0	24	0	3	0	27	155
1:15 PM	0	1	43	17	1	61	0	0	0	0	0	0	0	2	53	2	0	57	0	14	1	3	0	18	136
1:30 PM	0	2	37	12	0	51	0	0	0	2	0	2	0	3	44	1	0	48	0	18	0	6	0	24	125
1:45 PM	0	2	43	19	0	64	0	1	1	2	0	4	0	1	58	0	0	59	0	41	0	1	3	42	169
Hourly Total	0	5	174	62	1	241	0	1	2	4	0	7	0	9	213	4	0	226	0	97	1	13	3	111	585
2:00 PM	0	0	38	10	0	48	0	0	0	2	0	2	0	6	49	0	0	55	0	28	1	2	2	31	136
2:15 PM	0	0	42	11	0	53	0	0	1	2	0	3	0	6	53	2	0	61	0	21	3	3	0	27	144
2:30 PM	0	1	55	8	1	64	0	1	0	2	1	3	0	3	61	1	0	65	0	20	2	5	1	27	159
2:45 PM	0	1	46	15	0	62	0	0	0	2	0	2	0	10	77	1	0	88	0	16	1	5	0	22	174
Hourly Total	0	2	181	44	1	227	0	1	1	8	1	10	0	25	240	4	0	269	0	85	7	15	3	107	613
3:00 PM	0	1	63	17	0	81	0	1	1	3	0	5	0	4	93	0	0	97	0	14	1	7	1	22	205
3:15 PM	0	2	67	13	0	82	0	3	0	2	0	5	0	3	85	1	0	89	0	25	2	6	1	33	209
3:30 PM	0	1	53	10	0	64	0	0	1	2	0	3	0	4	100	2	0	106	0	20	3	5	2	28	201
3:45 PM	0	3	55	17	0	75	0	1	1	4	0	6	0	9	88	0	0	97	0	29	1	5	0	35	213
Hourly Total	0	7	238	57	0	302	0	5	3	11	0	19	0	20	366	3	0	389	0	88	7	23	4	118	828

TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025

Time	Southbound CR 18						Westbound 113th Ave						Northbound CR 18						Eastbound 113th 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	1	53	13	0	67	0	1	1	4	0	6	0	9	123	2	0	134	0	24	2	6	0	32	239
4:15 PM	0	2	58	10	0	70	0	0	1	2	0	3	0	7	88	1	0	96	0	16	2	3	2	2	190
4:30 PM	0	1	62	8	0	71	0	1	1	2	0	4	0	4	117	0	0	121	0	17	0	2	0	19	215
4:45 PM	0	0	47	12	0	59	0	0	2	2	0	4	0	3	113	2	0	118	0	11	2	1	0	14	195
Hourly Total	0	4	220	43	0	267	0	2	5	10	0	17	0	23	441	5	0	469	0	68	6	12	2	86	839
5:00 PM	0	4	60	10	0	74	0	1	1	0	0	2	0	6	90	0	0	96	0	12	2	1	1	15	187
5:15 PM	0	4	65	14	0	83	0	2	1	2	0	5	0	11	100	1	0	112	0	10	0	4	2	14	214
5:30 PM	0	2	62	11	0	75	0	0	1	1	0	2	0	5	91	1	0	97	0	8	0	2	3	10	184
5:45 PM	0	2	54	11	2	67	0	0	0	2	0	2	0	5	95	0	2	100	0	13	0	4	2	17	186
Hourly Total	0	12	241	46	2	299	0	3	3	5	0	11	0	27	376	2	2	405	0	43	2	11	8	56	771
6:00 PM	0	0	59	14	0	73	0	0	1	2	0	3	0	4	72	0	0	76	0	10	1	1	0	12	164
6:15 PM	0	2	53	9	0	64	0	1	0	3	0	4	0	1	75	0	0	76	0	4	1	4	0	9	153
6:30 PM	0	1	46	6	2	53	0	1	2	2	0	5	0	0	66	0	2	66	0	8	0	2	2	10	134
6:45 PM	0	0	56	5	2	61	0	1	0	1	0	2	0	3	55	1	0	59	0	8	0	2	2	10	132
Hourly Total	0	3	214	34	4	251	0	3	3	8	0	14	0	8	268	1	2	277	0	30	2	9	4	41	583
7:00 PM	0	1	47	8	0	56	0	1	0	0	0	1	0	3	36	0	0	39	0	5	0	4	3	9	105
7:15 PM	0	1	43	8	0	52	0	0	1	1	0	2	0	5	51	2	0	58	0	6	1	2	1	9	121
7:30 PM	0	0	45	7	0	52	0	0	1	0	0	1	0	1	36	0	0	37	0	7	2	1	0	10	100
7:45 PM	0	2	42	5	0	49	0	0	0	0	0	0	0	10	42	0	0	52	0	9	0	1	0	10	111
Hourly Total	0	4	177	28	0	209	0	1	2	1	0	4	0	19	165	2	0	186	0	27	3	8	4	38	437
8:00 PM	0	2	29	2	0	33	0	0	0	1	0	1	0	4	31	0	0	35	0	14	1	3	2	18	87
8:15 PM	0	1	32	11	0	44	0	0	1	1	0	2	0	2	35	1	0	38	0	3	0	0	0	3	87
8:30 PM	0	1	19	3	0	23	0	0	0	0	0	0	0	3	31	0	0	34	0	7	1	0	0	8	65
8:45 PM	0	2	15	6	0	23	0	0	0	0	0	0	0	3	12	0	0	15	0	4	1	2	0	7	45
Hourly Total	0	6	95	22	0	123	0	0	1	2	0	3	0	12	109	1	0	122	0	28	3	5	2	36	284
9:00 PM	0	1	23	5	1	29	0	0	0	0	0	0	0	3	15	0	0	18	0	5	0	1	0	6	53
9:15 PM	0	1	31	5	0	37	0	0	0	0	0	0	0	2	24	1	0	27	0	4	0	0	0	4	68
9:30 PM	0	0	13	4	0	17	0	0	0	0	0	0	0	4	11	0	0	15	0	3	0	2	0	5	37
9:45 PM	0	0	13	2	0	15	0	0	1	0	0	1	0	0	30	0	0	30	0	2	1	0	0	3	49
Hourly Total	0	2	80	16	1	98	0	0	1	0	0	1	0	9	80	1	0	90	0	14	1	3	0	18	207
10:00 PM	0	0	7	3	0	10	0	0	0	0	0	0	0	2	9	0	0	11	0	4	0	1	0	5	26
10:15 PM	0	0	11	3	0	14	0	0	0	1	0	1	0	0	14	0	0	14	0	1	0	0	0	1	30
10:30 PM	0	0	12	3	0	15	0	0	0	0	0	0	0	3	10	1	0	14	0	5	0	0	0	5	34
10:45 PM	0	0	5	2	0	7	0	0	0	0	0	0	0	2	3	0	0	5	0	1	0	0	0	1	13
Hourly Total	0	0	35	11	0	46	0	0	0	1	0	1	0	7	36	1	0	44	0	11	0	1	0	12	103
11:00 PM	0	0	5	1	0	6	0	0	0	0	0	0	0	0	6	0	0	6	0	4	0	1	0	5	17
11:15 PM	0	0	6	1	0	7	0	0	0	0	0	0	0	0	11	0	0	11	0	1	1	0	0	2	20
11:30 PM	0	1	4	3	0	8	0	0	0	0	0	0	0	1	2	0	0	3	0	1	0	0	0	1	12
11:45 PM	0	0	2	1	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	3	0	0	0	3	9
Hourly Total	0	1	17	6	0	24	0	0	0	0	0	0	0	1	22	0	0	23	0	9	1	1	0	11	58
DAILY TOTAL	0	79	3036	886	10	4001	0	31	31	103	1	165	1	214	3411	34	4	3660	0	884	44	218	41	1146	8972
Cars	0	77	2991	862	6	3930	0	31	28	96	0	155	1	200	3354	29	0	3584	0	873	43	212	21	1128	8797
Heavy Vehicles	0	2	45	24	4	71	0	0	3	7	1	10	0	14	57	5	4	76	0	11	1	6	20	18	175
Heavy Vehicle %	0.00%	2.53%	1.48%	2.71%	40.00%	1.77%	0.00%	0.00%	9.68%	6.80%	100.00%	6.06%	0.00%	6.54%	1.67%	14.71%	100.00%	2.08%	0.00%	1.24%	2.27%	2.75%	48.78%	1.57%	1.95%

TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 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	62	9	0	71	0	3	0	2	0	5	0	2	35	0	0	37	0	10	2	5	0	17	130
7:15 AM	0	1	51	8	0	60	0	1	0	2	0	3	0	1	33	1	0	35	0	8	0	7	0	15	113
7:30 AM	0	0	68	37	0	105	0	1	0	1	0	2	0	1	29	0	0	30	0	11	0	8	0	19	156
7:45 AM	0	1	61	48	0	110	0	0	0	3	0	3	0	1	47	1	0	49	0	9	1	4	0	14	176
Peak Hour Total	0	2	242	102	0	346	0	5	0	8	0	13	0	5	144	2	0	151	0	38	3	24	0	65	575
Peak Hour Heavy Vehicles	0	1	6	2	0	9	0	0	0	2	0	2	0	1	11	1	0	13	0	1	0	1	0	2	26
Peak Hour Heavy Vehicles % PHF	0.00%	50.00%	2.48%	1.96%	0.00%	2.60%	0.00%	0.00%	0.00%	25.00%	0.00%	15.38%	0.00%	20.00%	7.64%	50.00%	0.00%	8.61%	0.00%	2.63%	0.00%	4.17%	0.00%	3.08%	4.52%
	0.000	0.500	0.890	0.531	0.000	0.786	0.000	0.417	0.000	0.667	0.000	0.650	0.000	0.625	0.766	0.500	0.000	0.770	0.000	0.864	0.375	0.750	0.000	0.855	0.817

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	2	53	28	0	83	0	0	0	1	0	1	0	2	49	0	0	51	0	22	0	3	1	25	160
12:00 PM	0	1	42	16	0	59	0	1	0	1	0	2	0	2	51	1	0	54	0	24	2	5	2	31	146
12:15 PM	0	1	51	20	0	72	0	1	0	1	0	2	0	3	47	0	0	50	0	32	1	4	0	37	161
12:30 PM	0	0	56	20	0	76	0	2	0	0	0	2	0	6	55	0	0	61	0	17	0	3	2	20	159
Peak Hour Total	0	4	202	84	0	290	0	4	0	3	0	7	0	13	202	1	0	216	0	95	3	15	5	113	626
Peak Hour Heavy Vehicles	0	0	10	1	0	11	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	0	3	0	17
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	4.95%	1.19%	0.00%	3.79%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.69%	2.48%	0.00%	0.00%	2.78%	0.00%	0.00%	0.00%	0.00%	60.00%	0.00%	2.72%
	0.000	0.500	0.902	0.750	0.000	0.873	0.000	0.500	0.000	0.750	0.000	0.875	0.000	0.542	0.918	0.250	0.000	0.885	0.000	0.742	0.375	0.750	0.625	0.764	0.972

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	
3:15 PM	0	2	67	13	0	82	0	3	0	2	0	5	0	3	85	1	0	89	0	25	2	6	1	33	209
3:30 PM	0	1	53	10	0	64	0	0	1	2	0	3	0	4	100	2	0	106	0	20	3	5	2	28	201
3:45 PM	0	3	55	17	0	75	0	1	1	4	0	6	0	9	88	0	0	97	0	29	1	5	0	35	213
4:00 PM	0	1	53	13	0	67	0	1	1	4	0	6	0	9	123	2	0	134	0	24	2	6	0	32	239
Peak Hour Total	0	7	228	53	0	288	0	5	3	12	0	20	0	25	396	5	0	426	0	98	8	22	3	128	862
Peak Hour Heavy Vehicles	0	0	2	2	0	4	0	0	0	0	0	0	0	0	9	0	0	9	0	2	0	2	3	4	17
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.88%	3.77%	0.00%	1.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.27%	0.00%	0.00%	2.11%	0.00%	2.04%	0.00%	9.09%	100.00%	3.13%	1.97%
	0.000	0.583	0.851	0.779	0.000	0.878	0.000	0.417	0.750	0.750	0.000	0.833	0.000	0.694	0.805	0.625	0.000	0.795	0.000	0.845	0.667	0.917	0.375	0.914	0.902

Total Vehicles On Leg			8399		
Vehicles Entering Intersection 4001			Vehicles Exiting Intersection 4398		
Southbound					
Cars	862	2991	77	0	6
Heavy	24	45	2	0	4
Total	886	3036	79	0	10



Total Vehicles on Leg 2277	Vehicles Entering Intersection 1146	Eastbound	Cars	Heavy	Total
			21	20	41
			0	0	0
	Vehicles Exiting Intersection 1131		873	11	884
			43	1	44
			212	6	218



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 165	Total Vehicles on Leg 322
96	7	103			
28	3	31			
31	0	31			
0	0	0			
0	1	1		Vehicles Exiting Intersection 157	



Cars	0	1	200	3354	29
Heavy	4	0	14	57	5
Total	4	1	214	3411	34
Northbound					
Vehicles Entering Intersection 3660			Vehicles Exiting Intersection 3286		
Total Vehicles On Leg			6946		



TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025

Time	Southbound Heavy CR 18						Westbound Heavy 113th Ave						Northbound Heavy CR 18						Eastbound Heavy 113th 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	1	0	0	1	0	0	0	0	0	0	1
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
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	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	1	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6:30 AM	0	0	1	0	0	1	0	0	1	0	0	1	0	2	0	0	0	2	0	0	0	0	0	0	4
6:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3
Hourly 'Heavy Vehicles'	0	0	3	2	0	5	0	0	1	0	0	1	0	2	0	0	0	2	0	1	0	0	0	1	9
7:00 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	6
7:15 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
7:30 AM	0	0	3	1	0	4	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	1	0	2	8
7:45 AM	0	1	1	0	0	2	0	0	0	1	0	1	0	1	6	1	0	8	0	0	0	0	0	0	11
Hourly 'Heavy Vehicles'	0	1	6	2	0	9	0	0	0	2	0	2	0	1	11	1	0	13	0	1	0	1	0	2	26

TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025

Time	Southbound Heavy CR 18						Westbound Heavy 113th Ave						Northbound Heavy CR 18						Eastbound Heavy 113th Ave						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	
8:00 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	1	2	0	0	3	0	1	0	0	0	1	6
8:15 AM	0	0	0	1	0	1	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	4
8:30 AM	0	1	1	1	0	3	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	1	0	1	7
8:45 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	4
Hourly 'Heavy Vehicles'	0	1	2	5	0	8	0	0	0	1	0	1	0	3	6	0	0	9	0	1	1	1	0	3	21
9:00 AM	0	0	2	0	0	2	0	0	0	1	0	1	0	1	1	0	0	2	0	0	0	1	1	1	6
9:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	1	0	2	0	1	0	0	0	1	5
9:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
9:45 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	3
Hourly 'Heavy Vehicles'	0	0	5	3	0	8	0	0	0	1	0	1	0	1	4	1	0	6	0	1	0	1	2	2	17
10:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
10:15 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
10:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	2
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	0	0	0	0	0	1	3	0	0	4	0	1	0	0	1	1	7
11:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	3
11:15 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
11:30 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
11:45 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	7
Hourly 'Heavy Vehicles'	0	0	7	2	0	9	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	1	1	1	14
12:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	2	0	6
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	1
12:30 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3
12:45 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	1
Hourly 'Heavy Vehicles'	0	0	5	1	0	6	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	2	0	11
1:00 PM	0	0	2	1	0	3	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	6
1:15 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	0	1	5
1:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	2	0	0	0	0	0	0	3
1:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	0	6	2	0	8	0	0	0	1	0	1	0	0	7	2	0	9	0	1	0	0	0	1	19
2:00 PM	0	0	1	0	0	1	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	3
2:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	4
2:30 PM	0	0	0	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
2:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	3
Hourly 'Heavy Vehicles'	0	0	2	1	0	3	0	0	1	2	1	3	0	1	3	1	0	5	0	1	0	0	0	1	12
3:00 PM	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	1	3
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	2	0	3
3:45 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	1	0	1	5
Hourly 'Heavy Vehicles'	0	0	3	3	0	6	0	0	0	0	0	0	0	0	7	0	0	7	0	1	0	1	4	2	15

TMC 2547 - CR 18 @ 113th Ave
Coon Rapids MN
Thursday, September 11, 2025

Time	Southbound Heavy CR 18						Westbound Heavy 113th Ave						Northbound Heavy CR 18						Eastbound Heavy 113th 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	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	1	0	2	6
4:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	3	0	0	0	5	0	0	0	0	1	0	6
4:30 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	
4:45 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	2	1	0	3	0	0	1	0	0	1	0	3	5	0	0	0	8	0	2	0	1	1	3	15
5:00 PM	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	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	2	0	2	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
5:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	
Hourly 'Heavy Vehicles'	0	0	1	0	2	1	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	0	0	5	0	3
6:00 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	1	
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	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	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	0	1	0	0	
Hourly 'Heavy Vehicles'	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	1	
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	1	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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
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	1	0	0	1	0	0	0	0	0	0	1	
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	1	0	0	1	0	0	0	0	0	0	1	
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	45	24	4	71	0	0	3	7	1	10	0	14	57	5	4	76	0	11	1	6	20	18	175	

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 18

Number of Lanes : 2+

Total Approach Volume: 14,680

Southbound: CSAH 18

Number of Lanes : 1

Total Approach Volume: 16,070

Minor Street Approaches

Eastbound: 113th Ave.

Number of Lanes : 1

Total Approach Volume: 3,664

Westbound: 113th Ave.

Number of Lanes : 1

Total Approach Volume: 232

Warrant Summary (Urban Values Apply)

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

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

Required volumes reached for 12 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Satisfied

Required volumes reached for 16 hours, 8 are needed

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

Required 1A volumes reached for 14 hours, 8 are needed

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

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

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

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (59) volumes exceed minimum >= required (1). Delay data not evaluated.

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

Volumes exceed minimums for at least one hour period.

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

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

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

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

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

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

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Warrant 1A - Minimum Volumes

Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

Summary

12 one hour periods meet minimums.
Warrant IS 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		
CSAH 18						113th Ave.		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:30 - 17:30	1691	+	1119	=	2810	301	25	Yes
15:30 - 16:30	1677	+	1055	=	2732	391	24	Yes
17:30 - 18:30	1378	+	1014	=	2392	219	14	Yes
14:30 - 15:30	1343	+	1017	=	2360	322	21	Yes
07:30 - 08:30	495	+	1433	=	1928	162	12	Yes
12:30 - 13:30	937	+	989	=	1926	257	8	Yes
13:30 - 14:30	1005	+	845	=	1850	342	14	Yes
11:30 - 12:30	791	+	996	=	1787	299	12	Yes
08:30 - 09:30	662	+	1123	=	1785	189	7	Yes
10:30 - 11:30	680	+	906	=	1586	200	15	Yes
06:30 - 07:30	358	+	1225	=	1583	169	21	Yes
09:30 - 10:30	589	+	938	=	1527	191	5	Yes
18:30 - 19:30	961	+	753	=	1714	145	16	No
18:45 - 19:45	880	+	730	=	1610	134	10	No
19:00 - 20:00	833	+	688	=	1521	129	8	No
06:15 - 07:15	297	+	1145	=	1442	142	20	No
19:15 - 20:15	796	+	607	=	1403	136	7	No
19:30 - 20:30	735	+	601	=	1336	131	7	No
19:45 - 20:45	708	+	537	=	1245	129	5	No
06:00 - 07:00	207	+	1022	=	1229	108	15	No
20:00 - 21:00	596	+	474	=	1070	124	4	No
05:45 - 06:45	178	+	845	=	1023	80	16	No
20:15 - 21:15	544	+	452	=	996	115	3	No
20:30 - 21:30	487	+	403	=	890	107	0	No
05:30 - 06:30	144		703		847	63	14	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Warrant 1B - Interruption of Continuous Traffic

Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

Summary

16 one hour periods meet minimums.
Warrant IS 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		
CSAH 18						113th Ave.		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	1700	+	1104	=	2804	389	27	Yes
16:45 - 17:45	1624	+	1115	=	2739	277	21	Yes
14:45 - 15:45	1492	+	1005	=	2497	330	21	Yes
17:45 - 18:45	1251	+	935	=	2186	200	19	Yes
13:45 - 14:45	1044	+	878	=	1922	364	16	Yes
11:45 - 12:45	871	+	1034	=	1905	300	12	Yes
12:45 - 13:45	928	+	928	=	1856	259	6	Yes
07:45 - 08:45	510	+	1287	=	1797	149	11	Yes
06:45 - 07:45	408	+	1354	=	1762	194	21	Yes
08:45 - 09:45	685	+	1063	=	1748	198	7	Yes
10:45 - 11:45	696	+	915	=	1611	227	15	Yes
18:45 - 19:45	880	+	730	=	1610	134	10	Yes
09:45 - 10:45	585	+	934	=	1519	169	7	Yes
19:45 - 20:45	708	+	537	=	1245	129	5	Yes
05:45 - 06:45	178	+	845	=	1023	80	16	Yes
20:45 - 21:45	416	+	358	=	774	96	0	Yes
05:30 - 06:30	144	+	703	=	847	63	14	No
05:15 - 06:15	119	+	623	=	742	42	11	No
05:00 - 06:00	117	+	525	=	642	36	8	No
04:45 - 05:45	99	+	465	=	564	25	3	No
21:45 - 22:45	277	+	187	=	464	56	3	No
04:30 - 05:30	66	+	359	=	425	18	2	No
22:00 - 23:00	202	+	158	=	360	50	2	No
04:15 - 05:15	53	+	269	=	322	14	3	No
22:15 - 23:15	179		137		316	43	2	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Warrant 1C Combination of Warrants

Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

Summary

14 hours meet 1A minimums.
16 hours meet 1B minimums.
Warrant IS 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				
CSAH 18						113th Ave.				
Time	Major NB	+	Major SB	=	Total	Minor EB		Minor WB		Met1A?
16:15 - 17:15	1676	+	1102	=	2778	332		21		Yes
15:15 - 16:15	1650	+	1070	=	2720	389		28		Yes
17:15 - 18:15	1470	+	1060	=	2530	241		17		Yes
14:15 - 15:15	1261	+	949	=	2210	307		17		Yes
07:15 - 08:15	501	+	1433	=	1934	184		14		Yes
12:15 - 13:15	917	+	998	=	1915	298		11		Yes
18:15 - 19:15	1032	+	837	=	1869	149		18		Yes
13:15 - 14:15	972	+	852	=	1824	320		10		Yes
11:15 - 12:15	761	+	987	=	1748	254		14		Yes
08:15 - 09:15	582	+	1147	=	1729	161		7		Yes
09:15 - 10:15	627	+	1000	=	1627	209		6		Yes
10:15 - 11:15	635		893		1528	192		11		Yes

Time	Major NB	+	Major SB	=	Total	Minor EB		Minor WB		Met1B?
16:30 - 17:30	1691	+	1119	=	2810	301		25		Yes
15:30 - 16:30	1677	+	1055	=	2732	391		24		Yes
17:30 - 18:30	1378	+	1014	=	2392	219		14		Yes
14:30 - 15:30	1343	+	1017	=	2360	322		21		Yes
07:30 - 08:30	495	+	1433	=	1928	162		12		Yes
12:30 - 13:30	937	+	989	=	1926	257		8		Yes
13:30 - 14:30	1005	+	845	=	1850	342		14		Yes
11:30 - 12:30	791	+	996	=	1787	299		12		Yes
08:30 - 09:30	662	+	1123	=	1785	189		7		Yes
18:30 - 19:30	961	+	753	=	1714	145		16		Yes
10:30 - 11:30	680	+	906	=	1586	200		15		Yes
06:30 - 07:30	358		1225		1583	169		21		Yes

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Warrant 2 - Four Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

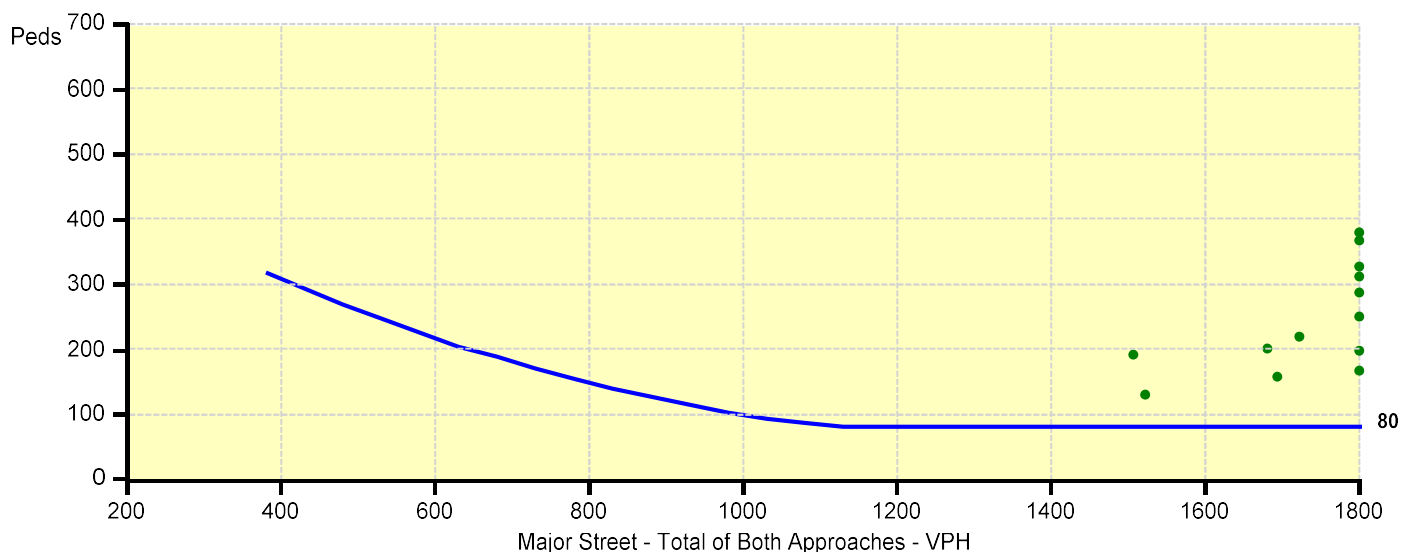
Summary

15 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Major Road						Minor Road		
CSAH 18						113th Ave.		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:00 - 17:00	1721	+	1083	=	2804	379	25	Yes
17:00 - 18:00	1573	+	1090	=	2663	249	17	Yes
15:00 - 16:00	1544	+	1077	=	2621	366	27	Yes
18:00 - 19:00	1150	+	899	=	2049	168	20	Yes
14:00 - 15:00	1153	+	861	=	2014	326	12	Yes
07:00 - 08:00	502	+	1441	=	1943	197	18	Yes
12:00 - 13:00	888	+	999	=	1887	312	13	Yes
13:00 - 14:00	945	+	906	=	1851	286	10	Yes
11:00 - 12:00	744	+	979	=	1723	220	13	Yes
08:00 - 09:00	504	+	1190	=	1694	157	9	Yes
09:00 - 10:00	664	+	1016	=	1680	199	7	Yes
19:00 - 20:00	833	+	688	=	1521	129	8	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Warrant 3B - Peak Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

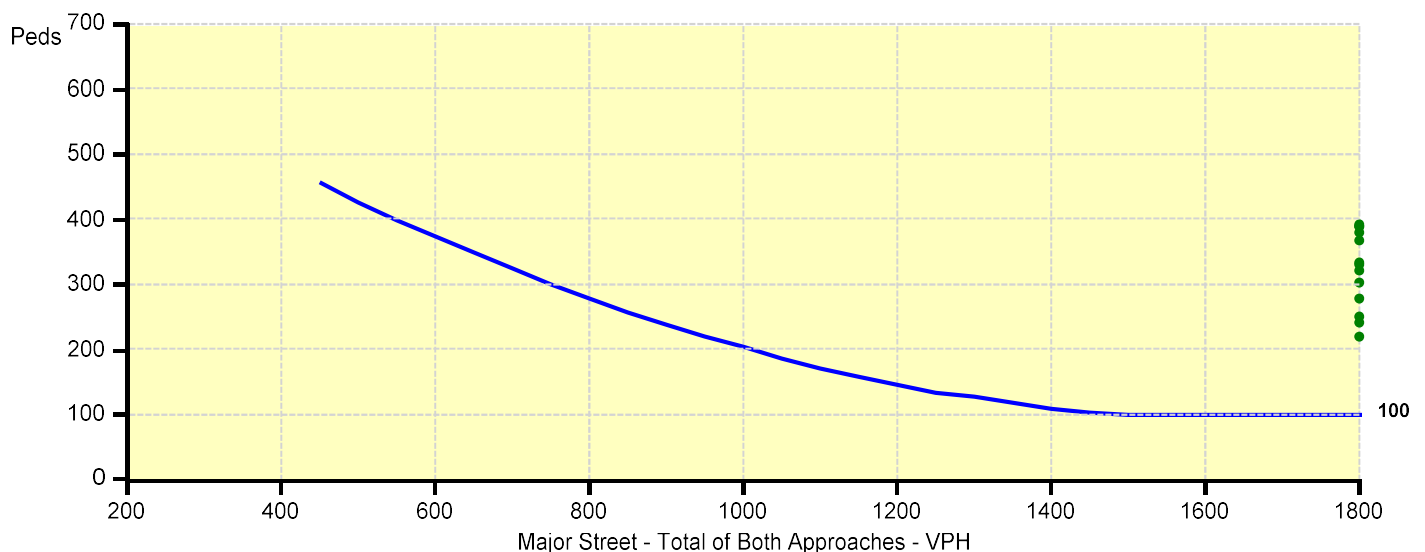
Summary

54 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Major Road						Minor Road		
CSAH 18						113th Ave.		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:30 - 17:30	1691	+	1119	=	2810	301	25	Yes
16:00 - 17:00	1721	+	1083	=	2804	379	25	Yes
15:45 - 16:45	1700	+	1104	=	2804	389	27	Yes
16:15 - 17:15	1676	+	1102	=	2778	332	21	Yes
16:45 - 17:45	1624	+	1115	=	2739	277	21	Yes
15:30 - 16:30	1677	+	1055	=	2732	391	24	Yes
15:15 - 16:15	1650	+	1070	=	2720	389	28	Yes
17:00 - 18:00	1573	+	1090	=	2663	249	17	Yes
15:00 - 16:00	1544	+	1077	=	2621	366	27	Yes
17:15 - 18:15	1470	+	1060	=	2530	241	17	Yes
14:45 - 15:45	1492	+	1005	=	2497	330	21	Yes
17:30 - 18:30	1378		1014		2392	219	14	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2547

Study Date : 09/19/2025

Multiway Stop Warrants - Summary

Major Street Approaches

Northbound: CSAH 18

Number of Lanes : 2+

Total Approach Volume: 3,660

Southbound: CSAH 18

Number of Lanes : 1

Total Approach Volume: 4,001

Minor Street Approaches

Eastbound: 113th Ave.

Number of Lanes : 1

Total Approach Volume: 928

Westbound: 113th Ave.

Number of Lanes : 1

Total Approach Volume: 165

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?
15:45 - 16:45	731	580.5	110	84.8	300	200	No
16:45 - 17:45	714		58				
14:45 - 15:45	669		97				
17:45 - 18:45	575		57				
11:45 - 12:45	506		106				
13:45 - 14:45	469		132				
07:00 - 08:00	497		54				
08:45 - 09:45	483		64				
12:45 - 13:45	454		90				
10:45 - 11:45	402		84				
18:45 - 19:45	414		37				
09:45 - 10:45	354		58				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:45 - 16:45	731	580.5	110	84.8	240	160	No
16:45 - 17:45	714		58				
14:45 - 15:45	669		97				
17:45 - 18:45	575		57				
11:45 - 12:45	506		106				
13:45 - 14:45	469		132				
07:00 - 08:00	497		54				
08:45 - 09:45	483		64				
12:45 - 13:45	454		90				
10:45 - 11:45	402		84				
18:45 - 19:45	414		37				
09:45 - 10:45	354		58				