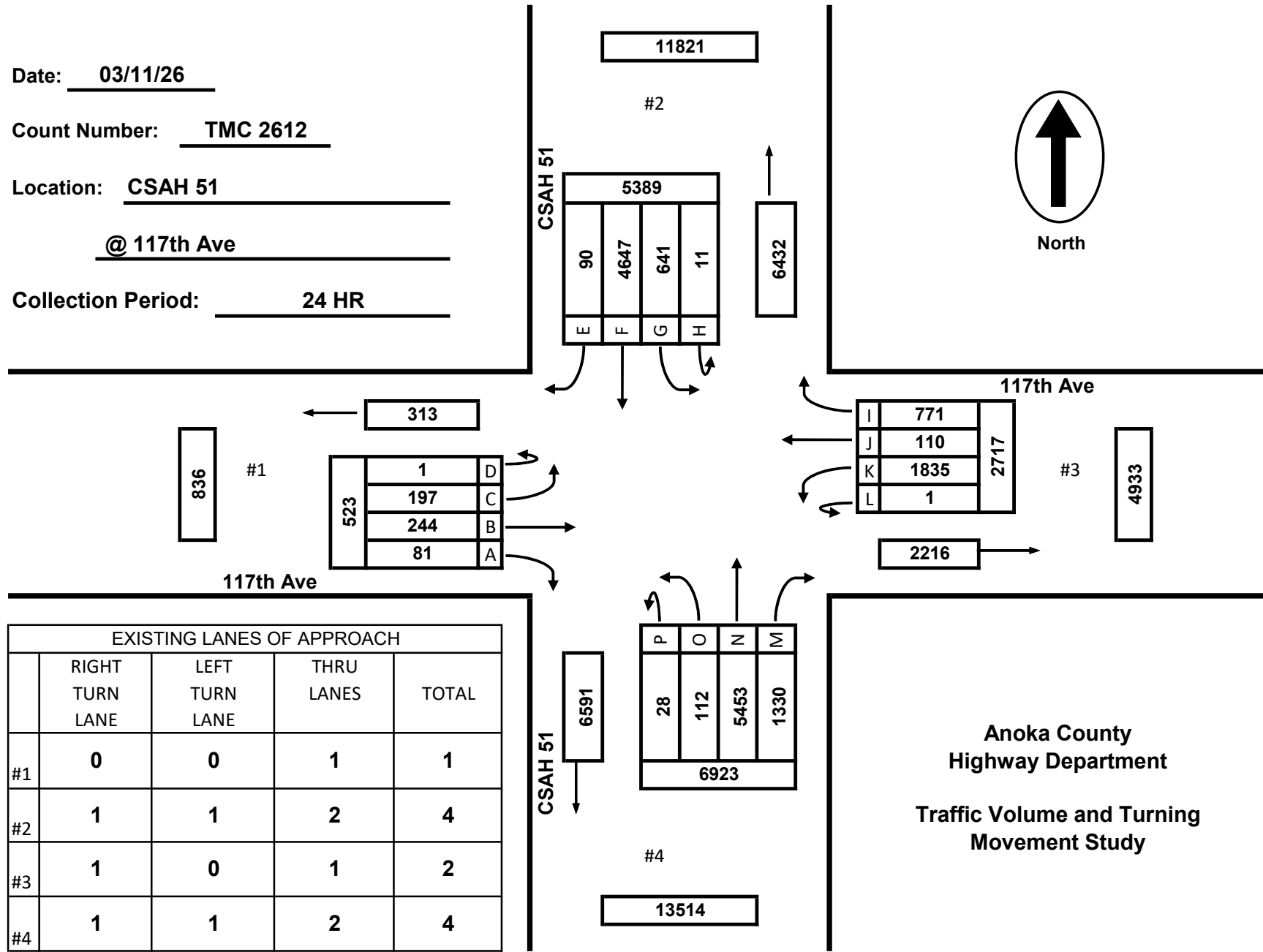
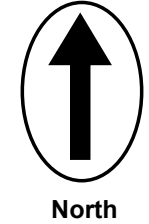


Date: 03/11/26

Count Number: TMC 2612

Location: CSAH 51  
@ 117th Ave

Collection Period: 24 HR



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

**Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study**

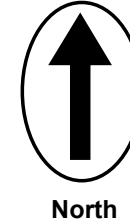
Date: 03/11/26

Count Number: TMC 2612

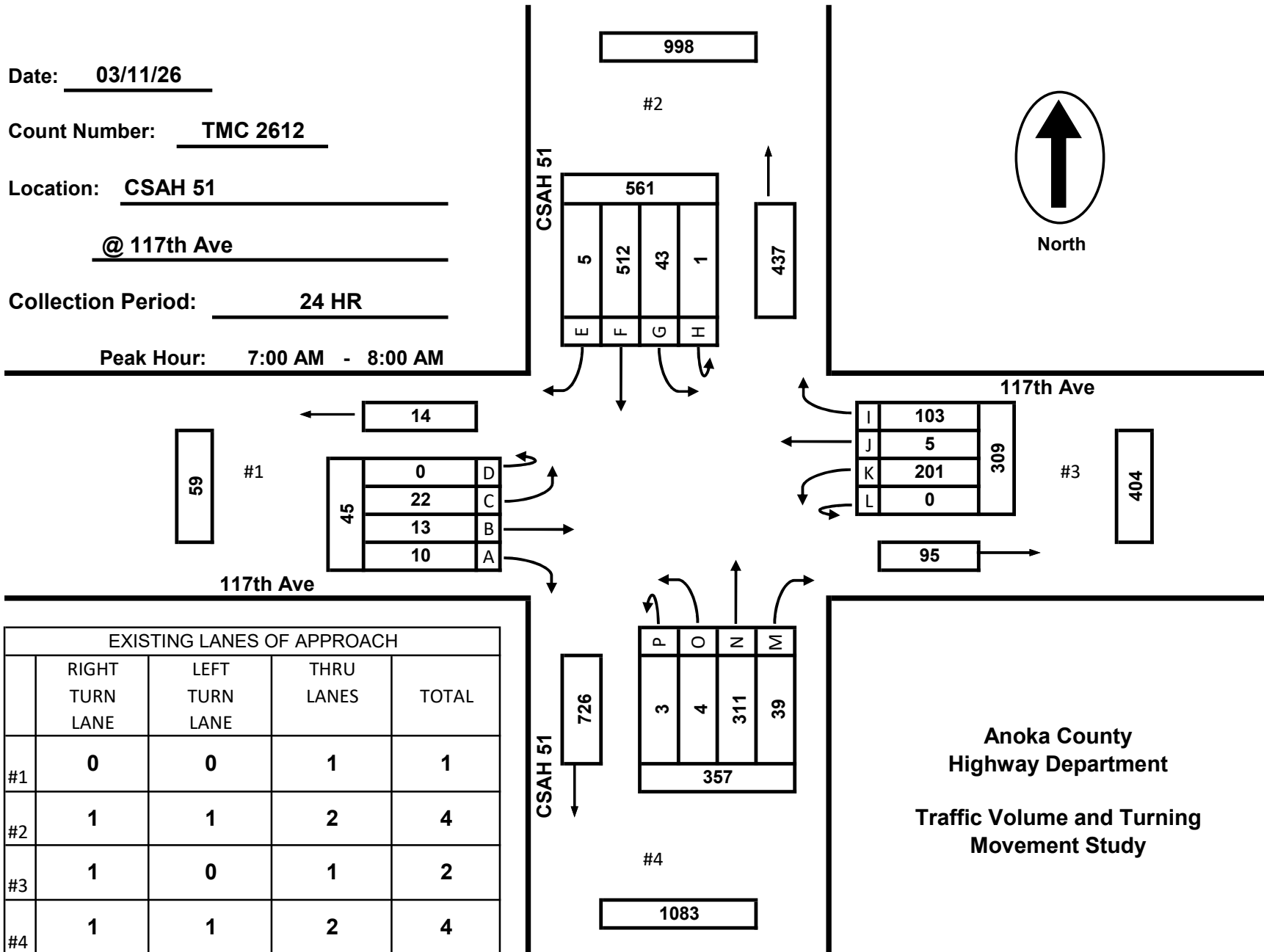
Location: CSAH 51  
@ 117th Ave

Collection Period: 24 HR

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



North



Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

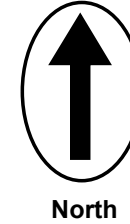
Date: 03/11/26

Count Number: TMC 2612

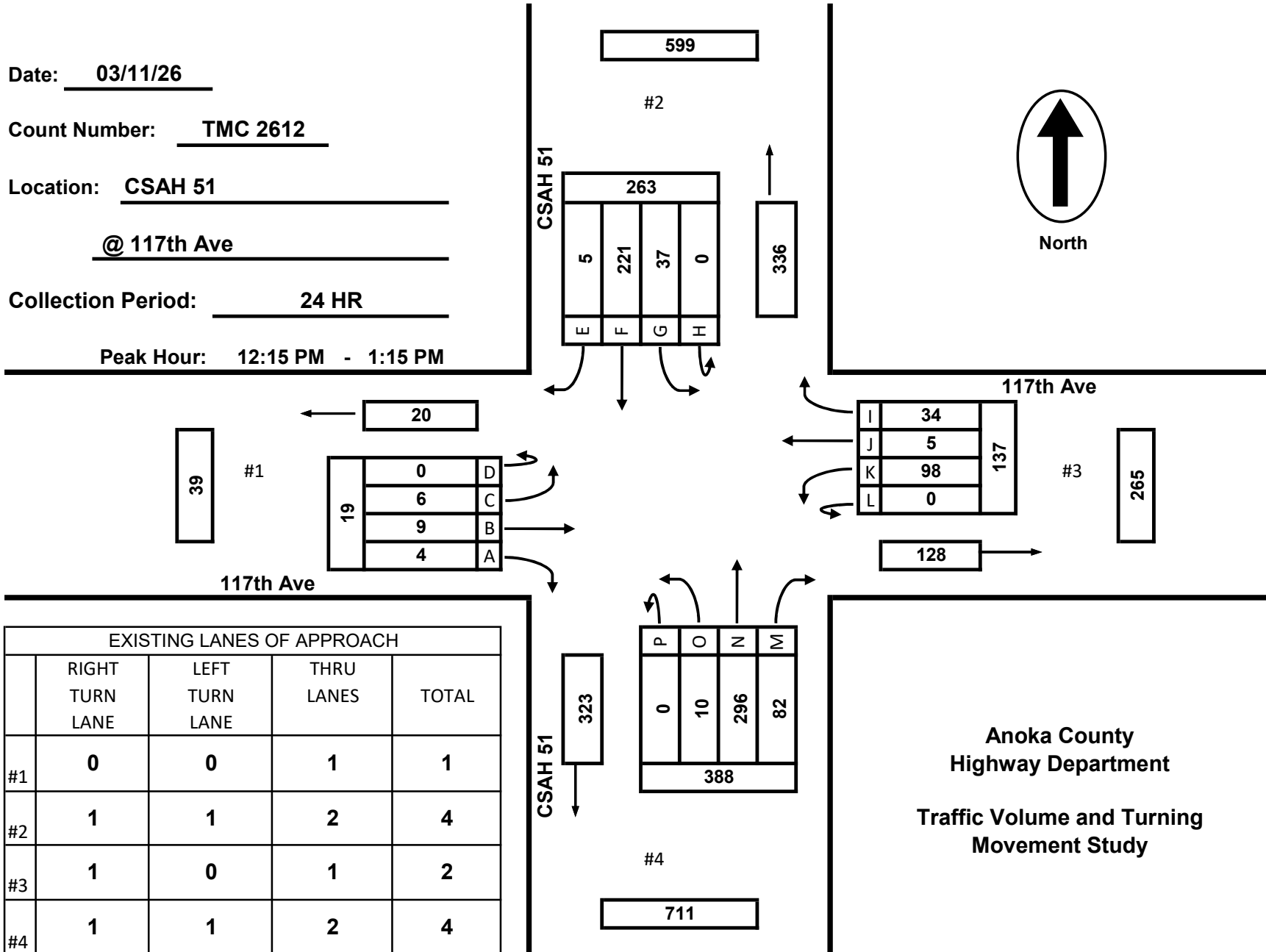
Location: CSAH 51  
@ 117th Ave

Collection Period: 24 HR

Peak Hour: 12:15 PM - 1:15 PM



North



Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

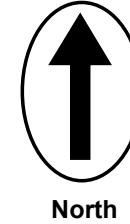
Date: 03/11/26

Count Number: TMC 2612

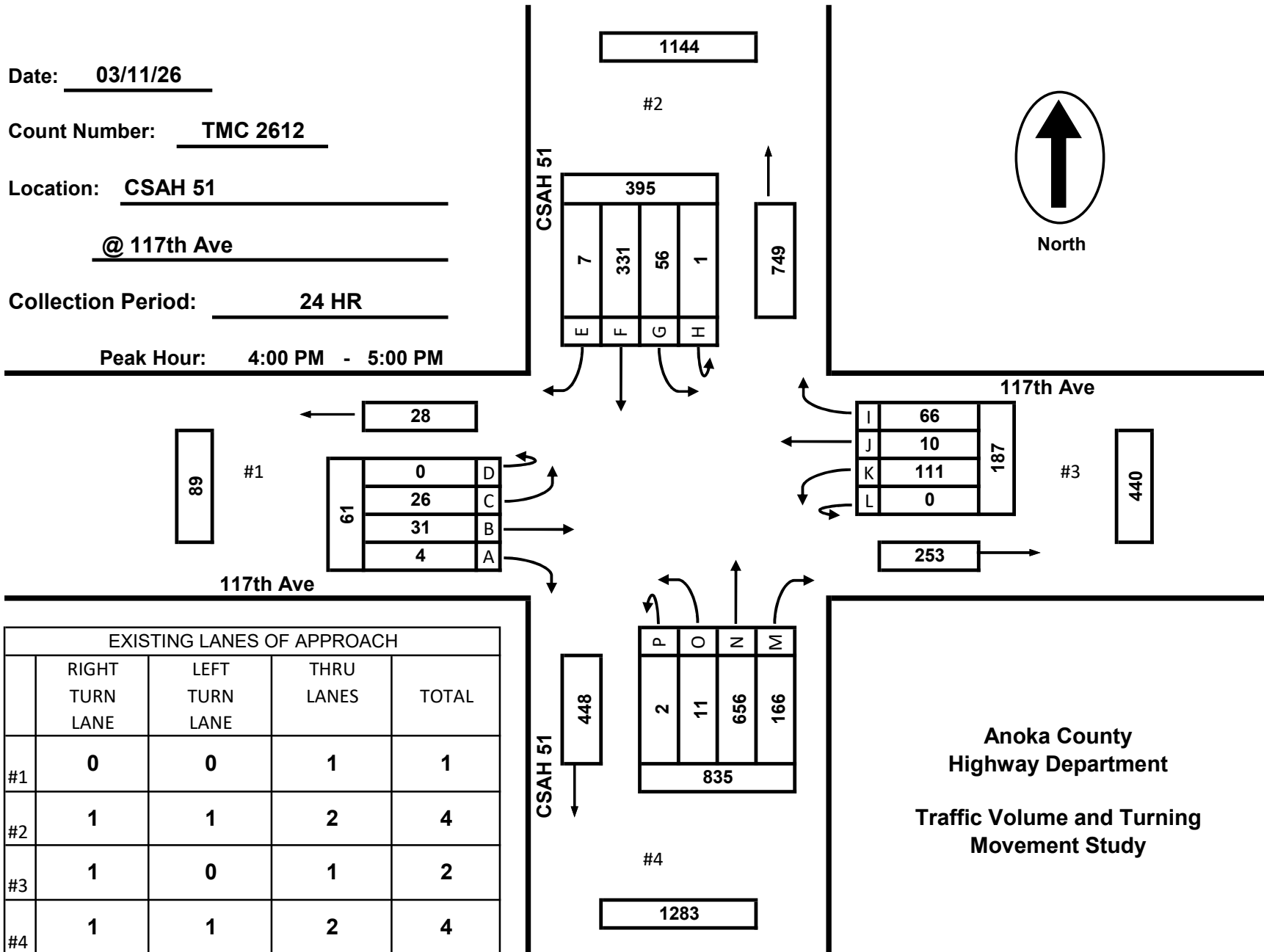
Location: CSAH 51  
@ 117th Ave

Collection Period: 24 HR

Peak Hour: 4:00 PM - 5:00 PM



North



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

Anoka County  
 Highway Department  
 Traffic Volume and Turning  
 Movement Study

TMC 2612 - CSAH 51 @ 117th Ave  
Coon Rapids MN  
Wednesday, March 11, 2026

Time	Southbound CSAH 51						Westbound 117th Ave						Northbound CSAH 51						Eastbound 117th 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	2	0	3	0	5	0	0	11	2	0	13	0	0	0	0	0	0	21
12:15 AM	0	1	3	0	0	4	0	0	0	1	0	1	0	0	11	1	0	12	0	0	0	0	0	0	17
12:30 AM	0	0	5	0	0	5	0	3	0	0	0	3	0	0	4	1	0	5	0	0	0	0	0	0	13
12:45 AM	0	0	4	0	0	4	0	1	0	0	0	1	0	1	6	1	0	8	0	0	0	1	0	1	14
Hourly Total	0	3	13	0	0	16	0	6	0	4	0	10	0	1	32	5	0	38	0	0	0	1	0	1	65
1:00 AM	0	1	5	0	0	6	0	0	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	0	15
1:15 AM	0	0	5	0	0	5	0	0	0	1	0	1	0	0	9	1	0	10	0	1	0	0	0	1	17
1:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	6	0	0	6	0	0	1	0	0	1	11
1:45 AM	0	0	4	0	0	4	0	1	0	0	0	1	0	0	7	0	0	7	0	0	1	0	0	1	13
Hourly Total	0	1	18	0	0	19	0	1	0	1	0	2	0	0	30	2	0	32	0	1	2	0	0	3	56
2:00 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	2	2	0	4	0	0	0	0	0	0	10
2:15 AM	0	0	3	0	0	3	0	1	0	0	0	1	0	0	5	1	0	6	0	0	0	0	0	0	10
2:30 AM	0	1	5	0	0	6	0	1	0	1	0	2	0	0	2	4	0	6	0	0	0	0	0	0	14
2:45 AM	0	1	2	0	0	3	0	3	0	0	0	3	0	0	3	0	0	3	0	0	0	0	0	0	9
Hourly Total	0	2	16	0	0	18	0	5	0	1	0	6	0	0	12	7	0	19	0	0	0	0	0	0	43
3:00 AM	0	1	6	0	0	7	0	2	0	1	0	3	0	0	4	2	0	6	0	0	0	0	0	0	16
3:15 AM	0	1	4	0	0	5	0	3	0	1	0	4	0	0	4	1	0	5	0	0	0	0	0	0	14
3:30 AM	0	0	10	1	0	11	0	2	0	0	0	2	0	0	3	2	0	5	0	0	0	0	0	0	18
3:45 AM	0	1	5	0	0	6	0	4	0	1	0	5	0	0	7	1	0	8	0	0	1	0	0	1	20
Hourly Total	0	3	25	1	0	29	0	11	0	3	0	14	0	0	18	6	0	24	0	0	1	0	0	1	68
4:00 AM	0	0	6	0	0	6	0	5	0	1	0	6	0	0	3	1	0	4	0	0	0	0	0	0	16
4:15 AM	0	0	11	0	0	11	0	8	0	1	0	9	0	0	3	2	0	5	0	0	1	0	0	1	26
4:30 AM	0	0	19	0	0	19	0	10	0	4	0	14	0	0	3	1	0	4	0	1	0	0	0	1	38
4:45 AM	0	1	14	0	0	15	0	16	0	2	0	18	0	0	7	1	0	8	0	0	0	0	0	0	41
Hourly Total	0	1	50	0	0	51	0	39	0	8	0	47	0	0	16	5	0	21	0	1	1	0	0	2	121
5:00 AM	0	0	20	0	0	20	0	8	0	2	0	10	0	0	10	0	0	10	0	0	0	1	0	1	41
5:15 AM	0	2	35	0	0	37	0	19	1	2	0	22	0	0	10	1	0	11	0	0	0	0	0	0	70
5:30 AM	0	1	51	0	0	52	0	19	0	2	0	21	1	0	19	1	0	21	0	0	1	0	0	1	95
5:45 AM	0	0	35	0	0	35	1	15	0	6	0	22	0	0	17	5	0	22	0	0	0	0	0	0	79
Hourly Total	0	3	141	0	0	144	1	61	1	12	0	75	1	0	56	7	0	64	0	0	1	1	0	2	285
6:00 AM	0	4	46	0	0	50	0	26	1	6	0	33	0	0	20	3	0	23	0	2	0	1	0	3	109
6:15 AM	0	8	67	0	0	75	0	35	0	9	1	44	0	0	21	6	0	27	0	0	4	0	0	4	150
6:30 AM	0	4	84	1	0	89	0	35	1	7	0	43	0	0	47	7	0	54	0	2	2	4	0	8	194
6:45 AM	0	4	90	0	0	94	0	49	0	15	0	64	1	2	74	8	0	85	0	1	1	2	0	4	247
Hourly Total	0	20	287	1	0	308	0	145	2	37	1	184	1	2	162	24	0	189	0	5	7	7	0	19	700
7:00 AM	0	3	101	0	0	104	0	46	3	27	0	76	1	0	107	10	0	118	0	3	0	4	0	7	305
7:15 AM	0	11	165	0	0	176	0	68	1	47	0	116	0	2	91	9	0	102	0	3	1	1	0	5	399
7:30 AM	0	12	151	1	0	164	0	41	0	15	0	56	1	0	58	10	1	69	0	8	3	3	0	14	303
7:45 AM	1	17	95	4	0	117	0	46	1	14	0	61	1	2	55	10	0	68	0	8	9	2	0	19	265
Hourly Total	1	43	512	5	0	561	0	201	5	103	0	309	3	4	311	39	1	357	0	22	13	10	0	45	1272

TMC 2612 - CSAH 51 @ 117th Ave  
Coon Rapids MN  
Wednesday, March 11, 2026

Time	Southbound CSAH 51						Westbound 117th Ave						Northbound CSAH 51						Eastbound 117th 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	14	121	4	0	139	0	28	0	10	0	38	1	1	47	8	0	57	0	11	7	0	0	18	252
8:15 AM	1	7	103	3	0	114	0	29	0	7	0	36	0	0	70	16	0	86	0	14	12	4	0	30	266
8:30 AM	0	5	68	0	0	73	0	33	2	13	0	48	0	2	45	8	0	55	0	3	2	1	0	6	182
8:45 AM	0	15	136	1	0	152	0	32	0	11	0	43	0	1	53	17	0	71	0	2	3	0	0	5	271
Hourly Total	1	41	428	8	0	478	0	122	2	41	0	165	1	4	215	49	0	269	0	30	24	5	0	59	971
9:00 AM	1	6	62	3	0	72	0	29	0	11	0	40	0	1	42	4	0	47	1	1	2	4	0	8	167
9:15 AM	0	6	67	2	0	75	0	16	2	3	0	21	0	1	54	10	0	65	0	2	4	0	0	6	167
9:30 AM	0	3	49	0	0	52	0	27	1	7	0	35	0	1	52	10	0	63	0	1	2	1	0	4	154
9:45 AM	0	3	54	0	0	57	0	21	0	5	1	26	0	0	43	14	0	57	0	1	1	1	0	3	143
Hourly Total	1	18	232	5	0	256	0	93	3	26	1	122	0	3	191	38	0	232	1	5	9	6	0	21	631
10:00 AM	3	2	62	1	0	68	0	17	1	5	0	23	0	2	34	10	0	46	0	1	1	2	0	4	141
10:15 AM	0	4	50	0	0	54	0	24	1	10	0	35	0	2	36	15	0	53	0	2	1	1	0	4	146
10:30 AM	0	9	46	0	0	55	0	16	1	6	0	23	0	1	55	6	0	62	0	1	4	1	1	6	146
10:45 AM	0	7	49	1	0	57	0	33	2	1	0	36	0	0	57	17	0	74	0	2	0	1	0	3	170
Hourly Total	3	22	207	2	0	234	0	90	5	22	0	117	0	5	182	48	0	235	0	6	6	5	1	17	603
11:00 AM	0	11	56	1	0	68	0	20	2	3	0	25	0	1	49	10	0	60	0	1	3	3	0	7	160
11:15 AM	1	4	47	0	0	52	0	21	1	6	0	28	0	4	59	17	0	80	0	4	2	0	0	6	166
11:30 AM	0	4	42	2	0	48	0	23	3	12	0	38	0	1	60	11	0	72	0	2	0	2	0	4	162
11:45 AM	0	11	47	3	0	61	0	28	1	11	0	40	0	2	47	12	0	61	0	5	0	1	0	6	168
Hourly Total	1	30	192	6	0	229	0	92	7	32	0	131	0	8	215	50	0	273	0	12	5	6	0	23	656
12:00 PM	1	9	49	2	0	61	0	21	3	13	0	37	0	2	81	18	0	101	0	1	3	0	0	4	203
12:15 PM	0	8	54	0	0	62	0	18	0	12	0	30	0	3	85	21	0	109	0	3	5	1	0	9	210
12:30 PM	0	4	44	3	0	51	0	25	2	10	0	37	0	3	73	20	0	96	0	0	3	1	0	4	188
12:45 PM	0	9	58	1	0	68	0	34	2	9	1	45	0	2	64	20	0	86	0	0	1	1	0	2	201
Hourly Total	1	30	205	6	0	242	0	98	7	44	1	149	0	10	303	79	0	392	0	4	12	3	0	19	802
1:00 PM	0	16	65	1	0	82	0	21	1	3	1	25	0	2	74	21	0	97	0	3	0	1	0	4	208
1:15 PM	0	7	46	3	0	56	0	30	0	6	5	36	0	1	62	27	0	90	0	0	0	0	0	0	182
1:30 PM	0	9	44	1	0	54	0	18	0	11	0	29	0	2	70	12	0	84	0	2	4	0	0	6	173
1:45 PM	0	10	60	1	0	71	0	19	1	8	0	28	0	3	96	17	0	116	0	3	1	1	0	5	220
Hourly Total	0	42	215	6	0	263	0	88	2	28	6	118	0	8	302	77	0	387	0	8	5	2	0	15	783
2:00 PM	0	12	70	2	0	84	0	29	2	12	0	43	2	0	101	23	0	126	0	2	3	2	0	7	260
2:15 PM	0	26	111	4	0	141	0	30	1	20	0	51	0	1	112	31	0	144	0	1	4	1	0	6	342
2:30 PM	0	13	61	0	0	74	0	32	1	13	0	46	2	2	88	38	0	130	0	1	8	0	0	9	259
2:45 PM	0	10	73	0	0	83	0	36	5	16	0	57	1	0	117	31	0	149	0	2	4	1	0	7	296
Hourly Total	0	61	315	6	0	382	0	127	9	61	0	197	5	3	418	123	0	549	0	6	19	4	0	29	1157
3:00 PM	0	18	83	2	1	103	0	27	3	23	0	53	2	2	94	34	0	132	0	11	12	1	0	24	312
3:15 PM	0	19	89	4	0	112	0	31	3	12	0	46	0	4	120	49	0	173	0	7	11	1	0	19	350
3:30 PM	0	13	94	1	0	108	0	31	5	18	0	54	0	4	157	32	0	193	0	7	11	2	0	20	375
3:45 PM	0	8	74	2	0	84	0	34	0	21	0	55	1	2	152	40	0	195	0	1	5	1	0	7	341
Hourly Total	0	58	340	9	1	407	0	123	11	74	0	208	3	12	523	155	0	693	0	26	39	5	0	70	1378

TMC 2612 - CSAH 51 @ 117th Ave  
Coon Rapids MN  
Wednesday, March 11, 2026

Time	Southbound CSAH 51						Westbound 117th Ave						Northbound CSAH 51						Eastbound 117th 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	16	75	1	0	92	0	28	4	12	0	44	1	5	180	41	0	227	0	12	14	2	0	28	391
4:15 PM	0	16	87	3	0	106	0	29	1	23	0	53	0	1	145	38	0	184	0	4	5	1	3	10	353
4:30 PM	1	13	71	2	0	87	0	20	3	19	1	42	0	2	166	46	0	214	0	6	8	0	0	14	357
4:45 PM	0	11	98	1	0	110	0	34	2	12	1	48	1	3	165	41	0	210	0	4	4	1	0	9	377
Hourly Total	1	56	331	7	0	395	0	111	10	66	2	187	2	11	656	166	0	835	0	26	31	4	3	61	1478
5:00 PM	0	18	89	3	0	110	0	21	8	16	0	45	0	1	156	48	0	205	0	9	8	0	0	17	377
5:15 PM	0	15	79	2	0	96	0	30	2	7	0	39	0	1	171	42	0	214	0	5	3	0	0	8	357
5:30 PM	0	13	72	1	0	86	0	23	4	17	0	44	0	5	142	34	1	181	0	2	6	1	0	9	320
5:45 PM	0	13	72	2	0	87	0	22	4	18	0	44	1	3	114	42	0	160	0	2	4	0	0	6	297
Hourly Total	0	59	312	8	0	379	0	96	18	58	0	172	1	10	583	166	1	760	0	18	21	1	0	40	1351
6:00 PM	0	13	81	3	0	97	0	24	0	14	0	38	0	1	91	16	0	108	0	0	4	1	0	5	248
6:15 PM	0	11	68	1	0	80	0	23	2	16	0	41	2	5	100	23	0	130	0	3	5	2	1	10	261
6:30 PM	1	14	63	3	1	81	0	31	1	17	0	49	2	2	94	19	0	117	0	3	6	2	0	11	258
6:45 PM	0	10	51	1	0	62	0	22	1	8	0	31	1	0	97	26	0	124	0	1	2	3	1	6	223
Hourly Total	1	48	263	8	1	320	0	100	4	55	0	159	5	8	382	84	0	479	0	7	17	8	2	32	990
7:00 PM	0	6	55	2	0	63	0	26	4	13	0	43	0	3	61	14	0	78	0	1	2	3	0	6	190
7:15 PM	0	11	40	0	0	51	0	21	2	4	0	27	0	2	59	16	0	77	0	1	2	0	1	3	158
7:30 PM	0	6	27	0	0	33	0	19	0	3	0	22	0	4	67	13	0	84	0	0	2	1	0	3	142
7:45 PM	0	11	59	0	0	70	0	21	1	8	0	30	0	2	52	16	0	70	0	0	3	1	0	4	174
Hourly Total	0	34	181	2	0	217	0	87	7	28	0	122	0	11	239	59	0	309	0	2	9	5	1	16	664
8:00 PM	0	7	41	1	0	49	0	22	5	13	0	40	1	2	72	12	0	87	0	5	3	1	0	9	185
8:15 PM	0	8	38	2	0	48	0	19	1	5	0	25	1	0	69	10	0	80	0	1	1	0	0	2	155
8:30 PM	0	11	39	0	0	50	0	16	1	7	0	24	1	0	46	16	0	63	0	1	4	0	0	5	142
8:45 PM	0	9	38	1	0	48	0	15	3	8	0	26	0	0	48	16	0	64	0	2	2	1	0	5	143
Hourly Total	0	35	156	4	0	195	0	72	10	33	0	115	3	2	235	54	0	294	0	9	10	2	0	21	625
9:00 PM	0	8	37	3	0	48	0	7	1	8	1	16	0	0	60	11	0	71	0	0	1	0	0	1	136
9:15 PM	0	4	26	0	0	30	0	9	1	4	0	14	1	2	47	13	0	63	0	2	1	1	0	4	111
9:30 PM	0	8	21	0	0	29	0	7	0	5	0	12	1	1	31	7	0	40	0	1	1	0	0	2	83
9:45 PM	0	4	26	0	0	30	0	7	1	3	0	11	0	0	33	11	0	44	0	1	2	0	0	3	88
Hourly Total	0	24	110	3	0	137	0	30	3	20	1	53	2	3	171	42	0	218	0	4	5	1	0	10	418
10:00 PM	0	1	21	2	0	24	0	8	1	2	0	11	0	1	37	9	0	47	0	1	0	0	0	1	83
10:15 PM	0	1	16	0	0	17	0	6	1	1	0	8	0	1	35	6	0	42	0	1	0	3	0	4	71
10:30 PM	0	0	12	0	0	12	0	8	0	4	0	12	0	2	32	8	0	42	0	1	2	1	0	4	70
10:45 PM	0	1	10	0	0	11	0	5	1	4	0	10	0	0	26	3	0	29	0	0	1	0	0	1	51
Hourly Total	0	3	59	2	0	64	0	27	3	11	0	41	0	4	130	26	0	160	0	3	3	4	0	10	275
11:00 PM	1	2	17	1	0	21	0	4	1	1	0	6	0	2	18	4	0	24	0	0	1	0	0	1	52
11:15 PM	0	0	9	0	0	9	0	2	0	0	0	2	0	0	17	9	0	26	0	1	1	0	0	2	39
11:30 PM	0	2	8	0	0	10	0	2	0	2	0	4	1	0	22	3	0	26	0	1	1	1	0	3	43
11:45 PM	0	0	5	0	0	5	0	2	0	0	0	2	0	1	14	3	0	18	0	0	1	0	0	1	26
Hourly Total	1	4	39	1	0	45	0	10	1	3	0	14	1	3	71	19	0	94	0	2	4	1	0	7	160
<b>DAILY TOTAL</b>	<b>11</b>	<b>641</b>	<b>4647</b>	<b>90</b>	<b>2</b>	<b>5389</b>	<b>1</b>	<b>1835</b>	<b>110</b>	<b>771</b>	<b>12</b>	<b>2717</b>	<b>28</b>	<b>112</b>	<b>5453</b>	<b>1330</b>	<b>2</b>	<b>6923</b>	<b>1</b>	<b>197</b>	<b>244</b>	<b>81</b>	<b>7</b>	<b>523</b>	<b>15552</b>
<b>Cars</b>	11	634	4536	84	0	5265	0	1811	110	747	12	2668	28	110	5350	1316	2	6804	0	181	241	80	6	502	15239
<b>Heavy Vehicles</b>	0	7	111	6	2	124	1	24	0	24	0	49	0	2	103	14	0	119	1	16	3	1	1	21	313
<b>Heavy Vehicle %</b>	0.00%	1.09%	2.39%	6.67%	100.00%	2.30%	100.00%	1.31%	0.00%	3.11%	0.00%	1.80%	0.00%	1.79%	1.89%	1.05%	0.00%	1.72%	100.00%	8.12%	1.23%	1.23%	14.29%	4.02%	2.01%

**TMC 2612 - CSAH 51 @ 117th Ave**  
**Coon Rapids MN**  
**Wednesday, March 11, 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	
7:00 AM	0	3	101	0	0	104	0	46	3	27	0	76	1	0	107	10	0	118	0	3	0	4	0	7	305
7:15 AM	0	11	165	0	0	176	0	68	1	47	0	116	0	2	91	9	0	102	0	3	1	1	0	5	399
7:30 AM	0	12	151	1	0	164	0	41	0	15	0	56	1	0	58	10	1	69	0	8	3	3	0	14	303
7:45 AM	1	17	95	4	0	117	0	46	1	14	0	61	1	2	55	10	0	68	0	8	9	2	0	19	265
Peak Hour Total	1	43	512	5	0	561	0	201	5	103	0	309	3	4	311	39	1	357	0	22	13	10	0	45	1272
Peak Hour Heavy Vehicle	0	2	14	0	0	16	0	2	0	4	0	6	0	0	17	2	0	19	0	0	0	0	0	0	41
Peak Hour Heavy Vehicle PHF	0.00%	4.65%	2.73%	0.00%	0.00%	2.85%	0.00%	1.00%	0.00%	3.88%	0.00%	1.94%	0.00%	0.00%	5.47%	5.13%	0.00%	5.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.22%
	0.250	0.632	0.776	0.313	0.000	0.797	0.000	0.739	0.417	0.548	0.000	0.666	0.750	0.500	0.727	0.975	0.250	0.756	0.000	0.688	0.361	0.625	0.000	0.592	0.797

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:15 PM	0	8	54	0	0	62	0	18	0	12	0	30	0	3	85	21	0	109	0	3	5	1	0	9	210
12:30 PM	0	4	44	3	0	51	0	25	2	10	0	37	0	3	73	20	0	96	0	0	3	1	0	4	188
12:45 PM	0	9	58	1	0	68	0	34	2	9	1	45	0	2	64	20	0	86	0	0	1	1	0	2	201
1:00 PM	0	16	65	1	0	82	0	21	1	3	1	25	0	2	74	21	0	97	0	3	0	1	0	4	208
Peak Hour Total	0	37	221	5	0	263	0	98	5	34	2	137	0	10	296	82	0	388	0	6	9	4	0	19	807
Peak Hour Heavy Vehicle	0	0	4	0	0	4	0	1	0	0	0	1	0	0	12	0	0	12	0	0	0	0	0	0	17
Peak Hour Heavy Vehicle PHF	0.00%	0.00%	1.81%	0.00%	0.00%	1.52%	0.00%	1.02%	0.00%	0.00%	0.00%	0.73%	0.00%	0.00%	4.05%	0.00%	0.00%	3.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.11%
	0.000	0.578	0.850	0.417	0.000	0.802	0.000	0.721	0.625	0.708	0.500	0.761	0.000	0.833	0.871	0.976	0.000	0.890	0.000	0.500	0.450	1.000	0.000	0.528	0.961

**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	
4:00 PM	0	16	75	1	0	92	0	28	4	12	0	44	1	5	180	41	0	227	0	12	14	2	0	28	391
4:15 PM	0	16	87	3	0	106	0	29	1	23	0	53	0	1	145	38	0	184	0	4	5	1	3	10	353
4:30 PM	1	13	71	2	0	87	0	20	3	19	1	42	0	2	166	46	0	214	0	6	8	0	0	14	357
4:45 PM	0	11	98	1	0	110	0	34	2	12	1	48	1	3	165	41	0	210	0	4	4	1	0	9	377
Peak Hour Total	1	56	331	7	0	395	0	111	10	66	2	187	2	11	656	166	0	835	0	26	31	4	3	61	1478
Peak Hour Heavy Vehicle	0	0	6	1	0	7	0	0	0	3	0	3	0	0	6	0	0	6	0	1	1	0	0	2	18
Peak Hour Heavy Vehicle PHF	0.00%	0.00%	1.81%	14.29%	0.00%	1.77%	0.00%	0.00%	0.00%	4.55%	0.00%	1.60%	0.00%	0.00%	0.91%	0.00%	0.00%	0.72%	0.00%	3.85%	3.23%	0.00%	0.00%	3.28%	1.22%
	0.250	0.875	0.844	0.583	0.000	0.898	0.000	0.816	0.625	0.717	0.500	0.882	0.500	0.550	0.911	0.902	0.000	0.920	0.000	0.542	0.554	0.500	0.250	0.545	0.945

Total Vehicles On Leg		11821	
Vehicles Entering Intersection	5389	Vehicles Exiting Intersection	6432
<b>Southbound</b>			
Cars	84	4536	634
Heavy	6	111	7
<b>Total</b>	<b>90</b>	<b>4647</b>	<b>641</b>

Total Vehicles on Leg 836	Vehicles Entering Intersection 523	Eastbound	Cars	Heavy	Total
			6	1	7
	0		1	1	
	181		16	197	
Vehicles Exiting Intersection 313			241	3	244
			80	1	81

**Daily Volumes**

Cars	2	28	110	5350	1316
Heavy	0	0	2	103	14
<b>Total</b>	<b>2</b>	<b>28</b>	<b>112</b>	<b>5453</b>	<b>1330</b>
<b>Northbound</b>					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
6923			6591		
Total Vehicles On Leg			13514		

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 4933
747	24	771		2717	
110	0	110		Vehicles Exiting Intersection	
1811	24	1835		2216	
0	1	1			
12	0	12			

TMC 2612 - CSAH 51 @ 117th Ave  
Coon Rapids MN  
Wednesday, March 11, 2026

Time	Southbound Heavy CSAH 51						Westbound Heavy 117th Ave						Northbound Heavy CSAH 51						Eastbound Heavy 117th 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	1	0	0	1	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	1
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	2	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	2	0	0	2	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	4
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	1	0	0	0	1	0	0	0	0	0	0	1
5:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:45 AM	0	0	1	0	0	1	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	2	0	0	2	1	0	0	1	0	2	0	0	1	0	0	1	0	0	0	0	0	0	5
6:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	0	4
6:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4
6:30 AM	0	1	4	1	0	6	0	0	0	1	0	1	0	1	1	0	0	2	0	0	0	0	0	0	9
6:45 AM	0	0	2	0	0	2	0	1	0	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	1	10	1	0	12	0	1	0	1	0	2	0	0	7	2	0	9	0	0	0	0	0	0	23
7:00 AM	0	1	5	0	0	6	0	0	0	0	0	0	0	12	1	0	0	13	0	0	0	0	0	0	19
7:15 AM	0	0	8	0	0	8	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	10
7:30 AM	0	1	1	0	0	2	0	1	0	2	0	3	0	0	2	1	0	3	0	0	0	0	0	0	8
7:45 AM	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	0	0	2	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	2	14	0	0	16	0	2	0	4	0	6	0	0	17	2	0	19	0	0	0	0	0	0	41

TMC 2612 - CSAH 51 @ 117th Ave  
Coon Rapids MN  
Wednesday, March 11, 2026

Time	Southbound Heavy CSAH 51						Westbound Heavy 117th Ave						Northbound Heavy CSAH 51						Eastbound Heavy 117th 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	11	0	0	11	0	1	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	14
8:15 AM	0	1	1	0	0	2	0	1	0	1	0	2	0	0	4	1	0	5	0	5	0	0	0	0	5	14
8:30 AM	0	1	3	0	0	4	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8:45 AM	0	0	9	1	0	10	0	2	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	13
Hourly 'Heavy Vehicles'	0	2	24	1	0	27	0	4	0	5	0	9	0	0	5	1	0	6	0	6	0	0	0	0	6	48
9:00 AM	0	0	2	2	0	4	0	1	0	1	0	2	0	0	3	0	0	3	1	0	0	1	0	0	2	11
9:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	14
9:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	4
9:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	7	2	0	9	0	1	0	1	0	2	0	0	19	0	0	19	1	0	0	1	0	0	2	32
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	0	0	0	1
10:15 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	0	2
10:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	4
10:45 AM	0	0	0	0	0	0	0	2	0	0	0	2	0	0	3	1	0	4	0	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	0	3	0	0	3	0	2	0	0	0	2	0	0	7	1	0	8	0	0	0	0	0	0	0	13
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	3
11:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	0	1	3
11:30 AM	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11:45 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	2	0	2	0	4	0	0	5	0	0	5	0	1	0	0	0	0	1	10
12:00 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	1	2	0	0	3	0	0	0	0	0	0	0	5
12:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	5
12:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	7
12:45 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	5	0	0	5	0	2	0	0	0	2	0	1	12	0	0	13	0	0	0	0	0	0	0	20
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	2
1:15 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	0	1	4
1:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	4	0	0	4	0	1	0	0	0	1	0	0	6	0	0	6	0	1	0	0	0	0	1	12
2:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	5
2:15 PM	0	2	14	1	0	17	0	1	0	2	0	3	0	0	2	3	0	5	0	0	0	0	0	0	0	25
2:30 PM	0	0	4	0	0	4	0	3	0	0	0	3	0	0	1	1	0	2	0	0	0	0	0	0	0	9
2:45 PM	0	0	3	0	0	3	0	0	0	1	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	2	22	1	0	25	0	4	0	3	0	7	0	0	8	5	0	13	0	0	0	0	0	0	0	45
3:00 PM	0	0	3	0	1	3	0	2	0	1	0	3	0	0	2	1	0	3	0	1	1	0	0	0	2	11
3:15 PM	0	0	1	0	0	1	0	2	0	1	0	3	0	0	3	1	0	4	0	6	1	0	0	0	7	15
3:30 PM	0	0	0	0	0	0	0	1	0	2	0	3	0	0	1	1	0	2	0	0	0	0	0	0	0	5
3:45 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	0	8	0	1	8	0	5	0	4	0	9	0	1	6	3	0	10	0	7	2	0	0	0	9	36

TMC 2612 - CSAH 51 @ 117th Ave  
 Coon Rapids MN  
 Wednesday, March 11, 2026

Time	Southbound Heavy CSAH 51						Westbound Heavy 117th Ave						Northbound Heavy CSAH 51						Eastbound Heavy 117th 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	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	8
4:15 PM	0	0	1	1	0	2	0	0	0	2	0	2	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	6	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	
4:45 PM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
Hourly 'Heavy Vehicles'	0	0	6	1	0	7	0	0	0	3	0	3	0	0	6	0	0	6	0	1	1	0	0	2	0	1	1	0	0	2	18	
5:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
5:15 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	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	
5:45 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	0	0	0	0	0	
Hourly 'Heavy Vehicles'	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
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	0	0	0	0	0	0	
6:15 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	0	0	0	0	0	1	
6:30 PM	0	0	0	0	1	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	
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	0	1	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	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	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	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	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	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	0	0	0	0	0	0	
8:00 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	0	0	0	0	0	0	1	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	
<b>DAILY 'Heavy Vehicles'</b>	<b>0</b>	<b>7</b>	<b>111</b>	<b>6</b>	<b>2</b>	<b>124</b>	<b>1</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>49</b>	<b>0</b>	<b>2</b>	<b>103</b>	<b>14</b>	<b>0</b>	<b>119</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>21</b>	<b>313</b>							

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2612

Study Date : 06/10/2026

## Signal Warrants - Summary

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### Major Street Approaches

Northbound: CSAH 51

Number of Lanes : 2+

Total Approach Volume: 6,923

Southbound: CSAH 51

Number of Lanes : 2+

Total Approach Volume: 5,389

### Minor Street Approaches

Eastbound: 117th Ave

Number of Lanes : 1

Total Approach Volume: 523

Westbound: 117th Ave

Number of Lanes : 1

Total Approach Volume: 1,946

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### Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 15 hours, 8 are needed

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

Required volumes reached for 15 hours, 8 are needed

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

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

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

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

Number of hours (8) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....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.....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: 2612

Study Date : 06/10/2026

## 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

15 one hour periods meet minimums.  
Warrant IS met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
 Veh/Hr Major = **252**  
 Veh/Hr Minor = **63**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 51</b>					<b>117th Ave</b>		
16:30 - 17:30	843	+	403	=	1246	48	120	Yes
15:30 - 16:30	799	+	390	=	1189	65	132	Yes
14:30 - 15:30	584	+	372	=	956	59	138	Yes
17:30 - 18:30	579	+	350	=	929	30	102	Yes
06:30 - 07:30	359	+	463	=	822	24	203	Yes
13:30 - 14:30	470	+	350	=	820	24	100	Yes
07:30 - 08:30	280	+	534	=	814	81	145	Yes
18:30 - 19:30	396	+	257	=	653	26	108	Yes
12:30 - 13:30	369	+	257	=	626	10	115	Yes
08:30 - 09:30	238	+	372	=	610	25	114	Yes
11:30 - 12:30	343	+	232	=	575	23	97	Yes
19:30 - 20:30	321	+	200	=	521	18	88	Yes
10:30 - 11:30	276	+	232	=	508	22	96	Yes
09:30 - 10:30	219	+	231	=	450	15	92	Yes
05:30 - 06:30	93	+	212	=	305	8	97	Yes
20:30 - 21:30	261	+	176	=	437	15	53	No
20:45 - 21:45	238	+	155	=	393	12	43	No
21:00 - 22:00	218	+	137	=	355	10	33	No
21:15 - 22:15	194	+	113	=	307	10	34	No
21:30 - 22:30	173	+	100	=	273	10	31	No
21:45 - 22:45	175	+	83	=	258	12	32	No
05:15 - 06:15	77	+	174	=	251	4	82	No
22:00 - 23:00	160	+	64	=	224	10	30	No
05:00 - 06:00	64	+	144	=	208	2	63	No
22:15 - 23:15	137		61		198	10	26	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2612

Study Date : 06/10/2026

## 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

15 one hour periods meet minimums.  
Warrant IS met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
 Veh/Hr Major = **378**  
 Veh/Hr Minor = **32**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 51</b>					<b>117th Ave</b>		
16:00 - 17:00	835	+	395	=	1230	61	121	Yes
17:00 - 18:00	760	+	379	=	1139	40	114	Yes
15:00 - 16:00	693	+	407	=	1100	70	134	Yes
14:00 - 15:00	549	+	382	=	931	29	136	Yes
07:00 - 08:00	357	+	561	=	918	45	206	Yes
18:00 - 19:00	479	+	320	=	799	32	104	Yes
08:00 - 09:00	269	+	478	=	747	59	124	Yes
13:00 - 14:00	387	+	263	=	650	15	90	Yes
12:00 - 13:00	392	+	242	=	634	19	105	Yes
19:00 - 20:00	309	+	217	=	526	16	94	Yes
11:00 - 12:00	273	+	229	=	502	23	99	Yes
06:00 - 07:00	189	+	308	=	497	19	147	Yes
20:00 - 21:00	294	+	195	=	489	21	82	Yes
09:00 - 10:00	232	+	256	=	488	21	96	Yes
10:00 - 11:00	235	+	234	=	469	17	95	Yes
05:45 - 06:45	126	+	249	=	375	15	114	No
21:00 - 22:00	218	+	137	=	355	10	33	No
21:15 - 22:15	194	+	113	=	307	10	34	No
05:30 - 06:30	93	+	212	=	305	8	97	No
21:30 - 22:30	173	+	100	=	273	10	31	No
21:45 - 22:45	175	+	83	=	258	12	32	No
05:15 - 06:15	77	+	174	=	251	4	82	No
22:00 - 23:00	160	+	64	=	224	10	30	No
05:00 - 06:00	64	+	144	=	208	2	63	No
22:15 - 23:15	137		61		198	10	26	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2612

Study Date : 06/10/2026

## 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

16 hours meet 1A minimums.  
16 hours meet 1B minimums.  
Warrant IS met.

#### Site Data Required

Rural Settings Apply = **True**  
Number of Major Lanes = **2 or more**  
Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70% applied  
Warrant 1A 1B  
Veh/Hr Major = **202 302**

Veh/Hr Minor = **50 26**

#### Major Road CSAH 51

#### Minor Road 117th Ave

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:00 - 17:00	835	+	395	=	1230	61	121	Yes
17:00 - 18:00	760	+	379	=	1139	40	114	Yes
15:00 - 16:00	693	+	407	=	1100	70	134	Yes
14:00 - 15:00	549	+	382	=	931	29	136	Yes
07:00 - 08:00	357	+	561	=	918	45	206	Yes
18:00 - 19:00	479	+	320	=	799	32	104	Yes
08:00 - 09:00	269	+	478	=	747	59	124	Yes
13:00 - 14:00	387	+	263	=	650	15	90	Yes
12:00 - 13:00	392	+	242	=	634	19	105	Yes
19:00 - 20:00	309	+	217	=	526	16	94	Yes
11:00 - 12:00	273	+	229	=	502	23	99	Yes
06:00 - 07:00	189	+	308	=	497	19	147	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:30 - 17:30	843	+	403	=	1246	48	120	Yes
15:30 - 16:30	799	+	390	=	1189	65	132	Yes
14:30 - 15:30	584	+	372	=	956	59	138	Yes
17:30 - 18:30	579	+	350	=	929	30	102	Yes
06:30 - 07:30	359	+	463	=	822	24	203	Yes
13:30 - 14:30	470	+	350	=	820	24	100	Yes
07:30 - 08:30	280	+	534	=	814	81	145	Yes
18:30 - 19:30	396	+	257	=	653	26	108	Yes
12:30 - 13:30	369	+	257	=	626	10	115	Yes
08:30 - 09:30	238	+	372	=	610	25	114	Yes
11:30 - 12:30	343	+	232	=	575	23	97	Yes
19:30 - 20:30	321	+	200	=	521	18	88	Yes

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2612  
 Study Date : 06/10/2026

## 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.

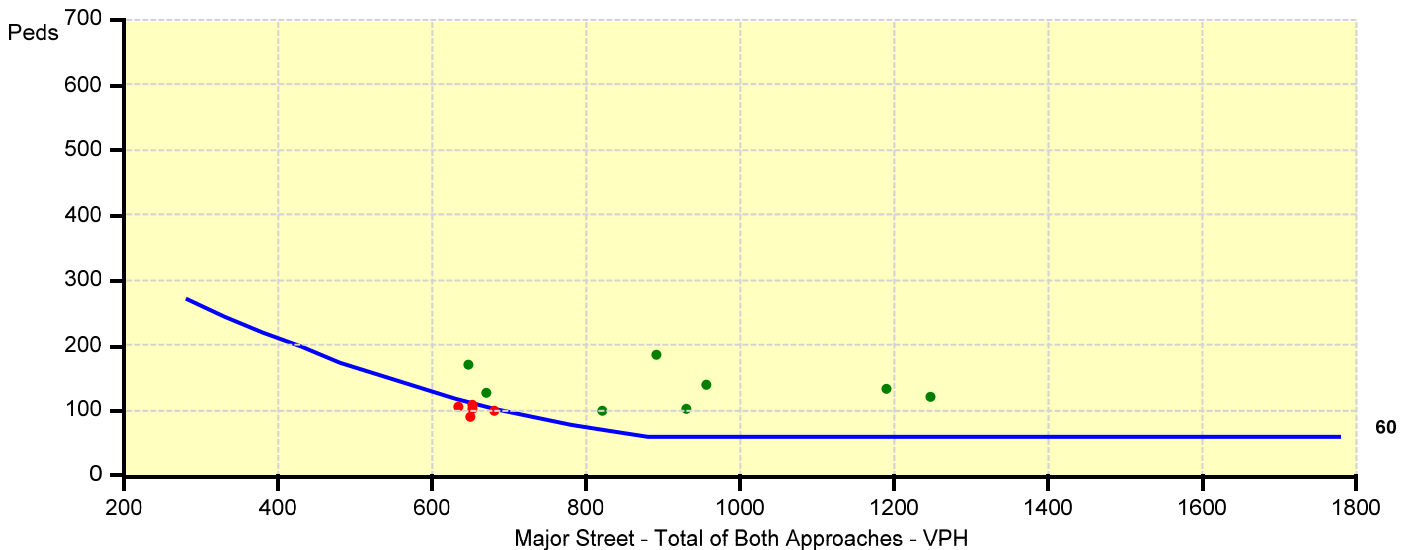
### Summary

8 one hour periods meet minimums.  
 Warrant IS met.

### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

Time	Major Road CSAH 51				Total	Minor Road 117th Ave		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:30 - 17:30	843	+	403	=	1246	48	120	Yes
15:30 - 16:30	799	+	390	=	1189	65	132	Yes
14:30 - 15:30	584	+	372	=	956	59	138	Yes
17:30 - 18:30	579	+	350	=	929	30	102	Yes
07:15 - 08:15	296	+	596	=	892	56	185	Yes
13:30 - 14:30	470	+	350	=	820	24	100	Yes
08:15 - 09:15	259	+	411	=	670	49	125	Yes
06:15 - 07:15	284	+	362	=	646	23	169	Yes
13:15 - 14:15	416	+	265	=	681	18	99	No
18:30 - 19:30	396	+	257	=	653	26	108	No
12:15 - 13:15	388	+	263	=	651	19	103	No
13:00 - 14:00	387	+	263	=	650	15	90	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2612

Study Date : 06/10/2026

## 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

18 one hour periods meet minimums.  
Warrant IS met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

Time	Major Road CSAH 51				Total	Minor Road 117th Ave		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:30 - 17:30	843	+	403	=	1246	48	120	Yes
16:00 - 17:00	835	+	395	=	1230	61	121	Yes
16:15 - 17:15	813	+	413	=	1226	50	118	Yes
16:45 - 17:45	810	+	402	=	1212	43	124	Yes
15:45 - 16:45	820	+	369	=	1189	59	119	Yes
15:30 - 16:30	799	+	390	=	1189	65	132	Yes
15:15 - 16:15	788	+	396	=	1184	74	136	Yes
17:00 - 18:00	760	+	379	=	1139	40	114	Yes
15:00 - 16:00	693	+	407	=	1100	70	134	Yes
14:45 - 15:45	647	+	406	=	1053	70	141	Yes
17:15 - 18:15	663	+	366	=	1029	28	109	Yes
14:30 - 15:30	584		372		956	59	138	Yes

