

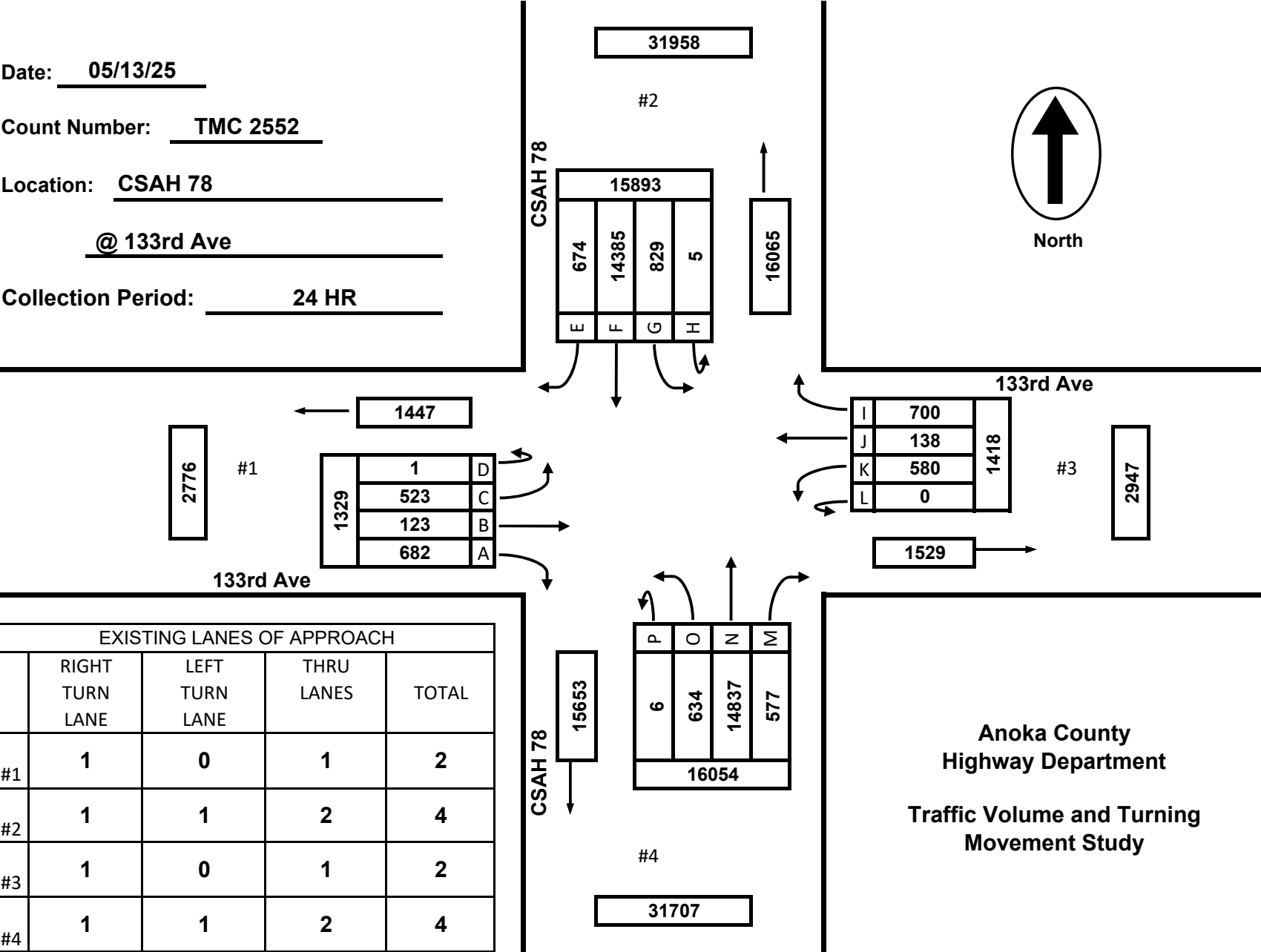
Date: 05/13/25

Count Number: TMC 2552

Location: CSAH 78

@ 133rd Ave

Collection Period: 24 HR



Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

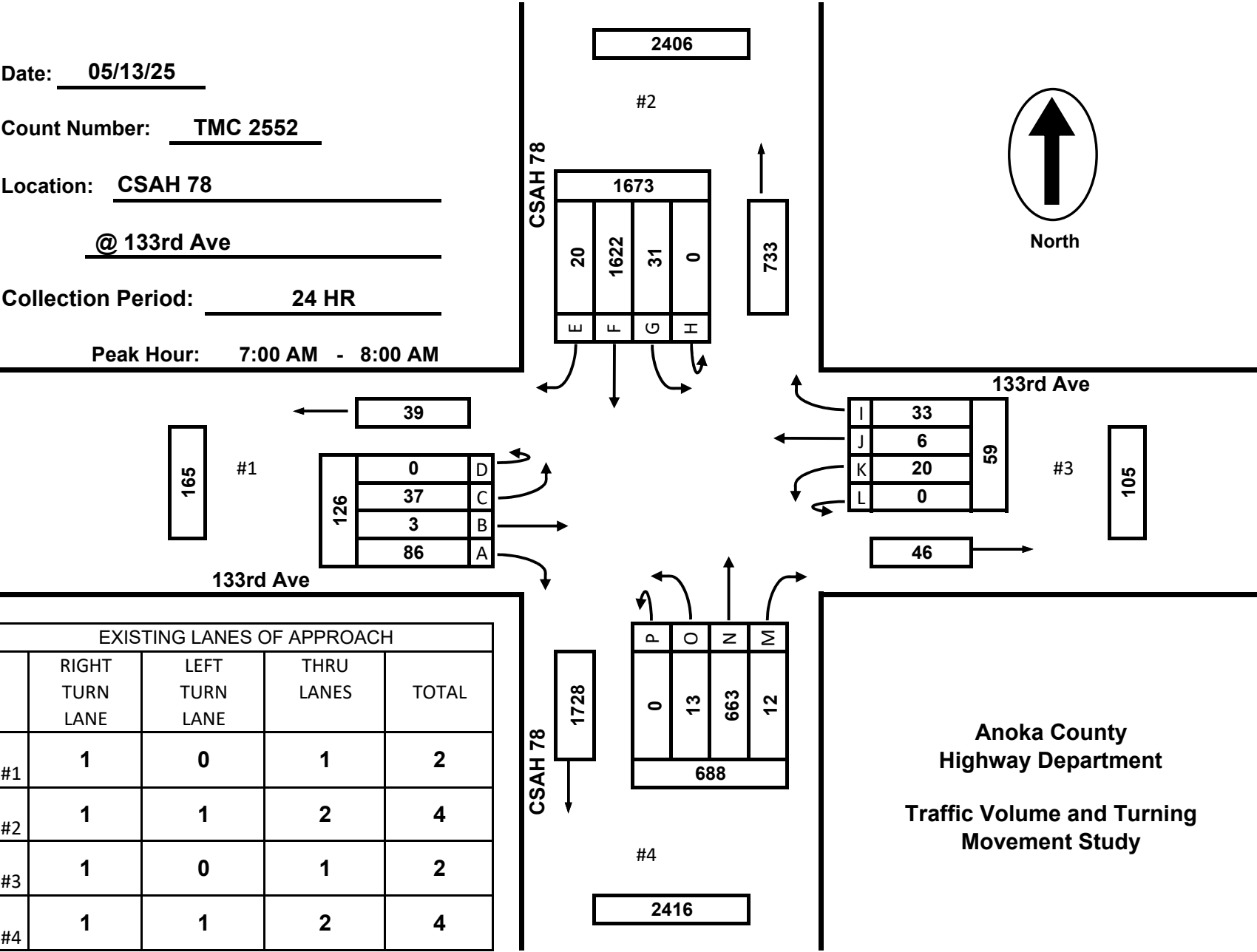
Date: 05/13/25

Count Number: TMC 2552

Location: CSAH 78
@ 133rd Ave

Collection Period: 24 HR

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



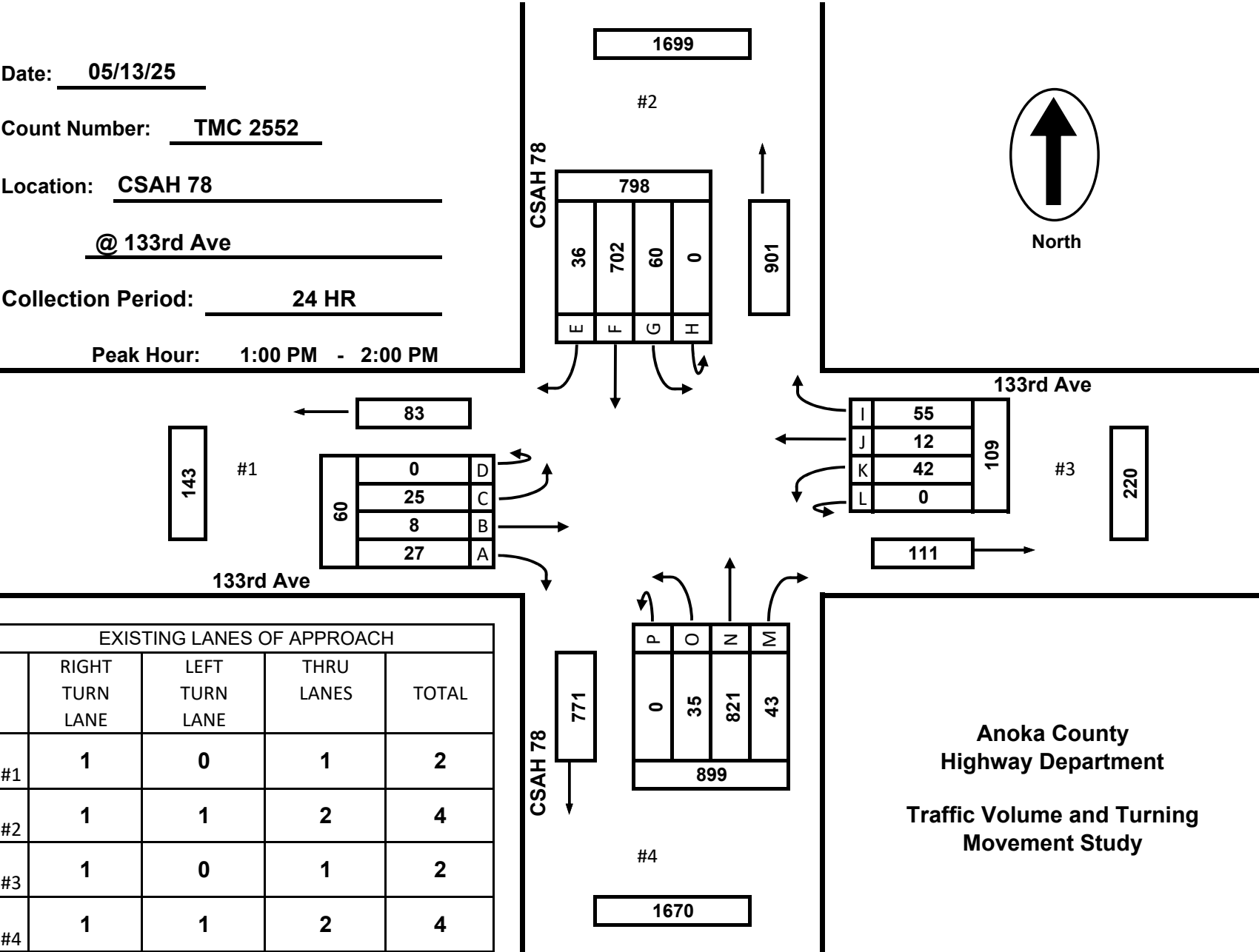
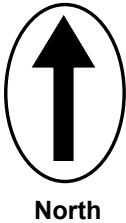
Date: 05/13/25

Count Number: TMC 2552

Location: CSAH 78
@ 133rd Ave

Collection Period: 24 HR

Peak Hour: 1:00 PM - 2:00 PM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

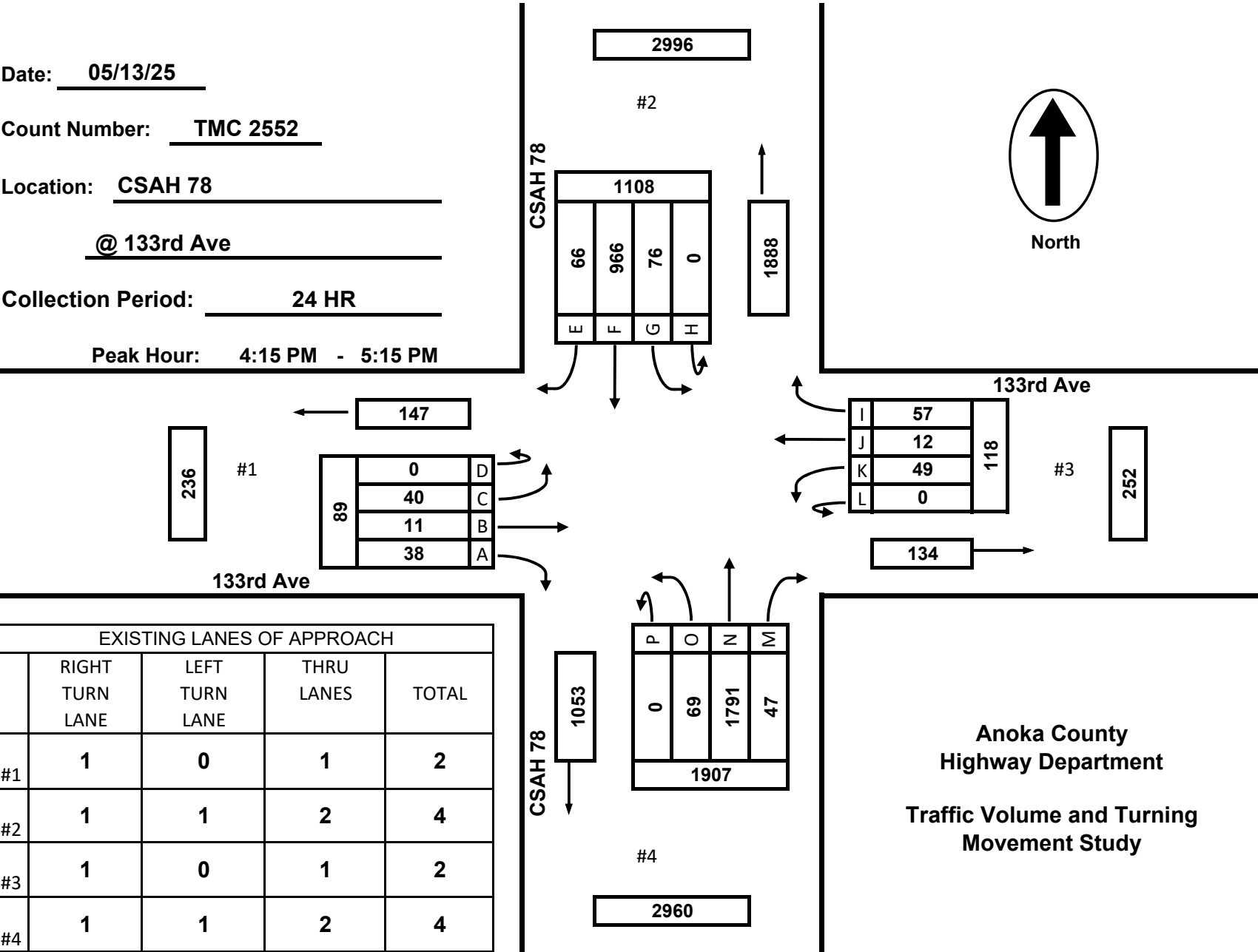
Date: 05/13/25

Count Number: TMC 2552

Location: CSAH 78
@ 133rd Ave

Collection Period: 24 HR

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



TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound CSAH 78						Westbound 133rd Ave						Northbound CSAH 78						Eastbound 133rd 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	20	2	0	22	0	0	0	0	0	0	0	2	24	0	0	0	0	0	0	0	0	0	48	
12:15 AM	0	0	12	0	0	12	0	0	0	0	0	0	1	2	17	0	0	0	0	0	1	0	0	0	33	
12:30 AM	0	0	6	1	0	7	0	0	0	0	0	0	0	1	13	0	0	0	0	0	0	0	0	0	21	
12:45 AM	0	1	5	0	0	6	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	14	
Hourly Total	0	1	43	3	0	47	0	0	0	0	0	0	1	6	61	0	0	0	0	0	1	0	0	0	1	116
1:00 AM	0	0	5	2	0	7	0	1	0	0	0	1	0	0	11	0	0	0	0	0	0	0	0	0	0	19
1:15 AM	0	0	8	0	0	8	0	0	0	0	0	0	1	0	10	0	0	0	0	2	0	0	0	2	21	
1:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	15	
1:45 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	15	
Hourly Total	0	0	22	2	0	24	0	1	0	0	0	1	1	0	42	0	0	0	0	0	0	2	0	0	2	70
2:00 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	9	0	0	0	0	1	0	0	0	1	16	
2:15 AM	0	0	7	1	0	8	0	0	0	3	0	3	0	2	13	1	0	0	0	2	0	0	0	3	30	
2:30 AM	0	1	8	0	0	9	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	14	
2:45 AM	0	0	10	0	0	10	0	0	0	1	0	1	0	1	7	0	0	0	0	0	0	1	0	1	20	
Hourly Total	0	1	31	1	0	33	0	0	0	4	0	4	0	3	34	1	0	0	0	0	1	0	4	0	5	80
3:00 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	11	
3:15 AM	0	0	15	0	0	15	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	22	
3:30 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1	22	
3:45 AM	0	0	19	0	0	19	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	1	34	
Hourly Total	0	0	55	0	0	55	0	0	0	0	0	0	0	1	31	0	0	0	0	0	2	0	0	0	2	89
4:00 AM	0	0	22	0	0	22	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	31	
4:15 AM	0	0	45	0	0	45	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	4	0	4	58	
4:30 AM	0	0	55	1	0	56	0	1	0	0	0	1	0	0	12	0	0	0	0	0	1	0	5	0	6	75
4:45 AM	0	0	64	1	0	65	0	0	0	0	0	0	0	0	26	0	0	0	0	0	1	0	5	0	6	97
Hourly Total	0	0	186	2	0	188	0	1	0	0	0	1	0	0	56	0	0	0	0	0	2	0	14	0	16	261
5:00 AM	0	0	108	1	0	109	0	2	0	1	0	3	0	1	20	1	0	0	0	0	0	3	2	0	5	139
5:15 AM	0	1	150	0	0	151	0	3	0	0	0	3	0	0	25	0	0	0	0	0	0	12	2	0	12	191
5:30 AM	0	1	161	2	0	164	0	0	0	0	0	0	0	1	63	1	0	0	0	0	2	0	8	1	10	239
5:45 AM	0	3	190	0	0	193	0	0	0	1	0	1	0	1	52	2	0	0	0	0	4	0	7	1	11	260
Hourly Total	0	5	609	3	0	617	0	5	0	2	0	7	0	3	160	4	0	0	0	0	6	3	29	4	38	829
6:00 AM	0	3	227	0	1	230	0	5	1	3	0	9	0	1	67	1	1	0	0	0	5	1	14	0	20	328
6:15 AM	0	4	289	5	0	298	0	2	2	6	0	10	0	4	125	1	0	0	0	0	7	0	11	0	18	456
6:30 AM	0	1	349	5	0	355	0	2	0	6	0	8	0	3	118	3	0	0	0	0	6	0	18	0	24	511
6:45 AM	0	4	411	7	0	422	0	2	0	8	0	10	0	3	160	4	0	0	0	0	12	1	12	0	25	624
Hourly Total	0	12	1276	17	1	1305	0	11	3	23	0	37	0	11	470	9	1	0	0	0	30	2	55	0	87	1919
7:00 AM	0	6	386	3	0	395	0	6	1	7	2	14	0	2	120	3	0	0	0	0	10	0	29	0	39	573
7:15 AM	0	9	418	8	0	435	0	6	2	13	0	21	0	3	185	2	0	0	0	0	10	1	14	0	25	671
7:30 AM	0	7	410	4	1	421	0	4	2	6	0	12	0	2	164	3	3	0	0	0	6	1	24	0	31	633
7:45 AM	0	9	408	5	1	422	0	4	1	7	1	12	0	6	194	4	0	0	0	0	11	1	19	0	31	669
Hourly Total	0	31	1622	20	2	1673	0	20	6	33	3	59	0	13	663	12	3	0	0	0	37	3	86	0	126	2546

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound CSAH 78						Westbound 133rd Ave						Northbound CSAH 78						Eastbound 133rd 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	4	320	8	0	332	0	7	0	11	0	18	0	6	132	6	0	144	0	7	2	15	0	24	518
8:15 AM	0	6	290	7	0	303	0	3	0	7	0	10	0	4	158	5	0	167	0	8	1	15	0	24	504
8:30 AM	0	9	230	6	0	245	0	5	2	4	0	11	1	7	147	5	1	160	0	7	1	12	1	20	436
8:45 AM	0	9	227	4	1	240	0	5	2	5	0	12	0	6	179	10	0	195	0	11	0	11	0	22	469
Hourly Total	0	28	1067	25	1	1120	0	20	4	27	0	51	1	23	616	26	1	666	0	33	4	53	1	90	1927
9:00 AM	0	5	215	6	0	226	0	7	2	8	0	17	0	4	155	5	1	164	0	13	0	11	0	24	431
9:15 AM	0	11	227	12	0	250	0	8	1	12	0	21	0	2	170	6	1	178	0	9	1	16	0	26	475
9:30 AM	0	7	261	6	0	274	0	6	1	13	0	20	0	4	156	8	0	168	0	6	0	15	0	21	483
9:45 AM	0	14	188	9	0	211	0	11	4	9	0	24	0	4	162	22	0	188	0	9	4	7	0	20	443
Hourly Total	0	37	891	33	0	961	0	32	8	42	0	82	0	14	643	41	2	698	0	37	5	49	0	91	1832
10:00 AM	0	8	180	4	0	192	0	11	2	12	0	25	0	6	125	13	0	144	0	5	3	12	0	20	381
10:15 AM	0	21	169	9	0	199	0	19	7	15	0	41	0	2	145	19	2	166	0	5	4	6	0	15	421
10:30 AM	0	18	182	9	0	209	0	18	5	16	0	39	0	5	151	8	0	164	0	11	1	5	0	17	429
10:45 AM	0	10	170	10	0	190	0	7	3	16	0	26	0	6	162	12	2	180	0	8	3	5	0	16	412
Hourly Total	0	57	701	32	0	790	0	55	17	59	0	131	0	19	583	52	4	654	0	29	11	28	0	68	1643
11:00 AM	0	11	176	11	0	198	0	17	5	8	0	30	0	3	138	16	0	157	0	6	6	6	0	18	403
11:15 AM	0	4	173	11	0	188	0	21	2	8	0	31	0	7	188	9	0	204	0	7	2	8	0	17	440
11:30 AM	0	25	178	7	0	210	0	12	5	12	0	29	0	6	168	10	2	184	0	3	0	5	0	8	431
11:45 AM	0	11	155	5	0	171	0	12	4	14	0	30	0	6	174	19	0	199	0	4	2	12	0	21	418
Hourly Total	0	51	682	34	0	767	0	62	16	42	0	120	0	22	668	54	2	744	0	20	10	31	0	61	1692
12:00 PM	0	14	177	16	1	207	0	21	2	11	0	34	0	11	150	11	0	172	0	11	3	8	0	22	435
12:15 PM	0	21	150	6	0	177	0	15	1	9	0	25	0	4	201	15	0	220	0	6	4	4	0	14	436
12:30 PM	2	11	164	4	0	181	0	15	4	13	0	32	0	6	198	19	0	223	1	10	1	16	0	28	464
12:45 PM	0	11	181	10	0	202	0	15	1	8	0	24	0	5	203	14	0	222	0	12	2	7	0	21	469
Hourly Total	2	57	672	36	1	767	0	66	8	41	0	115	0	26	752	59	0	837	1	39	10	35	0	85	1804
1:00 PM	0	12	180	12	0	204	0	13	2	8	0	23	0	7	167	11	0	185	0	2	3	9	0	14	426
1:15 PM	0	9	142	9	0	160	0	12	3	15	0	30	0	7	205	14	0	226	0	10	1	4	1	15	431
1:30 PM	0	17	177	7	0	201	0	9	2	16	0	27	0	9	239	4	0	252	0	7	4	6	0	17	497
1:45 PM	0	22	203	8	0	233	0	8	5	16	0	29	0	12	210	14	0	236	0	6	0	8	0	14	512
Hourly Total	0	60	702	36	0	798	0	42	12	55	0	109	0	35	821	43	0	899	0	25	8	27	1	60	1866
2:00 PM	0	13	209	10	1	232	0	9	1	13	0	23	0	11	211	18	0	240	0	7	1	9	2	17	512
2:15 PM	1	16	179	8	0	204	0	12	3	14	0	29	0	8	241	12	0	261	0	7	4	6	0	17	511
2:30 PM	0	16	209	17	0	242	0	6	5	12	0	23	0	12	304	12	0	328	0	9	3	6	0	18	611
2:45 PM	1	10	178	9	0	198	0	7	4	20	0	31	0	17	332	11	0	360	0	14	2	11	0	27	616
Hourly Total	2	55	775	44	1	876	0	34	13	59	0	106	0	48	1088	53	0	1189	0	37	10	32	2	79	2250
3:00 PM	0	12	178	12	0	202	0	12	2	17	0	31	0	16	338	11	0	365	0	6	4	5	0	15	613
3:15 PM	0	16	203	19	2	238	0	5	6	9	1	20	0	13	388	9	1	410	0	11	3	8	1	22	690
3:30 PM	0	26	169	12	0	207	0	17	2	15	0	34	0	21	350	11	0	382	0	10	7	7	0	24	647
3:45 PM	0	28	232	17	0	277	0	8	3	14	0	25	0	19	399	9	0	427	0	12	4	13	3	29	758
Hourly Total	0	82	782	60	2	924	0	42	13	55	1	110	0	69	1475	40	1	1584	0	39	18	33	4	90	2708

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound CSAH 78						Westbound 133rd Ave						Northbound CSAH 78						Eastbound 133rd 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	30	230	22	0	282	0	17	3	24	0	44	0	22	423	18	0	463	0	8	0	13	0	21	810
4:15 PM	0	17	234	21	0	272	0	12	2	20	0	34	0	14	452	15	0	481	0	10	2	10	0	22	809
4:30 PM	0	18	243	19	0	280	0	17	3	15	0	35	0	13	427	10	0	450	0	8	3	10	0	21	786
4:45 PM	0	17	231	11	1	259	0	12	4	17	0	33	0	20	440	14	0	474	0	11	3	10	0	24	790
Hourly Total	0	82	938	73	1	1093	0	58	12	76	0	146	0	69	1742	57	0	1868	0	37	8	43	0	88	3195
5:00 PM	0	24	258	15	0	297	0	8	3	5	3	16	0	22	472	8	1	502	0	11	3	8	0	22	837
5:15 PM	0	15	221	26	0	262	0	8	1	20	0	29	0	24	409	19	0	452	0	7	1	8	0	16	759
5:30 PM	1	19	235	13	0	268	0	9	2	19	0	30	1	20	418	12	0	451	0	12	1	11	0	24	773
5:45 PM	0	14	211	9	0	234	0	10	1	14	0	25	0	16	305	9	0	330	0	12	4	10	0	26	615
Hourly Total	1	72	925	63	0	1061	0	35	7	58	3	100	1	82	1604	48	1	1735	0	42	9	37	0	88	2984
6:00 PM	0	18	208	18	0	244	0	18	1	15	0	34	1	9	268	15	1	293	0	10	3	9	0	22	593
6:15 PM	0	13	176	12	0	201	0	12	1	17	0	30	0	16	295	8	2	319	0	8	2	12	1	22	572
6:30 PM	0	21	187	12	0	220	0	8	3	15	0	26	0	9	247	4	0	260	0	12	3	11	0	26	532
6:45 PM	0	12	175	11	1	198	0	9	2	9	1	20	0	7	252	7	1	266	0	12	3	7	6	22	506
Hourly Total	0	64	746	53	1	863	0	47	7	56	1	110	1	41	1062	34	4	1138	0	42	11	39	7	92	2203
7:00 PM	0	16	185	14	0	215	0	5	1	12	1	18	0	10	241	2	1	253	0	13	0	9	0	22	508
7:15 PM	0	16	142	12	0	170	0	3	1	8	0	12	1	10	178	3	0	192	0	6	2	8	1	16	390
7:30 PM	0	6	153	14	0	173	0	3	2	7	1	12	0	10	181	5	1	196	0	9	0	9	0	18	399
7:45 PM	0	16	126	9	0	151	0	5	1	5	0	11	0	5	170	8	0	183	0	1	2	9	0	12	357
Hourly Total	0	54	606	49	0	709	0	16	5	32	2	53	1	35	770	18	2	824	0	29	4	35	1	68	1654
8:00 PM	0	9	146	15	0	170	0	8	1	3	0	12	0	11	157	5	0	173	0	4	2	3	0	9	364
8:15 PM	0	4	134	7	0	145	0	6	2	5	2	13	0	10	192	4	0	206	0	6	0	5	0	11	375
8:30 PM	0	18	136	12	1	166	0	3	0	8	0	11	0	8	159	3	0	170	0	2	1	3	0	6	353
8:45 PM	0	8	114	8	0	130	0	4	3	4	0	11	0	11	128	2	0	141	0	5	1	4	1	10	292
Hourly Total	0	39	530	42	1	611	0	21	6	20	2	47	0	40	636	14	0	690	0	17	4	15	1	36	1384
9:00 PM	0	10	108	8	0	126	0	2	0	4	0	6	0	10	137	4	0	151	0	1	1	8	1	10	293
9:15 PM	0	2	77	5	0	84	0	4	0	1	0	5	0	12	124	0	0	136	0	2	1	3	0	6	231
9:30 PM	0	5	73	6	0	84	0	1	1	5	0	7	0	7	97	0	0	104	0	4	0	7	0	11	206
9:45 PM	0	6	54	3	0	63	0	0	0	3	0	3	0	10	98	3	0	111	0	4	0	3	0	7	184
Hourly Total	0	23	312	22	0	357	0	7	1	13	0	21	0	39	456	7	0	502	0	11	2	21	1	34	914
10:00 PM	0	4	52	6	0	62	0	1	0	1	0	2	0	9	87	0	0	96	0	3	1	7	0	11	171
10:15 PM	0	3	48	3	0	54	0	0	0	0	0	0	0	4	74	1	0	79	0	2	0	1	0	3	136
10:30 PM	0	5	25	7	0	37	0	0	0	2	0	2	0	6	60	2	0	68	0	0	0	3	0	3	110
10:45 PM	0	1	21	3	0	25	0	1	0	0	0	1	0	5	38	0	0	43	0	1	0	0	0	1	70
Hourly Total	0	13	146	19	0	178	0	2	0	3	0	5	0	24	259	3	0	286	0	6	1	11	0	18	487
11:00 PM	0	0	22	1	0	23	0	2	0	0	0	2	0	4	39	0	0	43	0	0	0	1	0	1	69
11:15 PM	0	1	13	1	0	15	0	1	0	0	0	1	0	0	44	0	0	44	0	0	0	1	0	1	61
11:30 PM	0	3	13	1	0	17	0	0	0	0	0	0	0	3	38	1	0	42	0	1	0	1	0	2	61
11:45 PM	0	1	18	2	0	21	0	0	0	0	0	0	0	4	24	1	0	29	0	0	0	0	0	0	50
Hourly Total	0	5	66	5	0	76	0	3	0	0	0	3	0	11	145	2	0	158	0	1	0	3	0	4	241
DAILY TOTAL	5	829	14385	674	11	15893	0	580	138	700	12	1418	6	634	14837	577	21	16054	1	523	123	682	22	1329	34694
Cars	5	814	13974	659	1	15452	0	571	132	686	2	1389	6	620	14402	567	7	15595	1	516	118	661	10	1296	33732
Heavy Vehicles	0	15	411	15	10	441	0	9	6	14	10	29	0	14	435	10	14	459	0	7	5	21	12	33	962
Heavy Vehicle %	0.00%	1.81%	2.86%	2.23%	90.91%	2.77%	0.00%	1.55%	4.35%	2.00%	83.33%	2.05%	0.00%	2.21%	2.93%	1.73%	66.67%	2.86%	0.00%	1.34%	4.07%	3.08%	54.55%	2.48%	2.77%

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 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	6	386	3	0	395	0	6	1	7	2	14	0	2	120	3	0	125	0	10	0	29	0	39	573
7:15 AM	0	9	418	8	0	435	0	6	2	13	0	21	0	3	185	2	0	190	0	10	1	14	0	25	671
7:30 AM	0	7	410	4	1	421	0	4	2	6	0	12	0	2	164	3	3	169	0	6	1	24	0	31	633
7:45 AM	0	9	408	5	1	422	0	4	1	7	1	12	0	6	194	4	0	204	0	11	1	19	0	31	669
Peak Hour Total	0	31	1622	20	2	1673	0	20	6	33	3	59	0	13	663	12	3	688	0	37	3	86	0	126	2546
Peak Hour Heavy Vehicles	0	4	37	1	1	42	0	3	0	1	2	4	0	1	28	0	1	29	0	0	1	3	0	4	79
Peak Hour Heavy Vehicles %	0.00%	12.90%	2.28%	5.00%	50.00%	2.51%	0.00%	15.00%	0.00%	3.03%	66.67%	6.78%	0.00%	7.69%	4.22%	0.00%	33.33%	4.22%	0.00%	0.00%	33.33%	3.49%	0.00%	3.17%	3.10%
PHF	0.000	0.861	0.970	0.625	0.500	0.961	0.000	0.833	0.750	0.635	0.375	0.702	0.000	0.542	0.854	0.750	0.250	0.843	0.000	0.841	0.750	0.741	0.000	0.808	0.949

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

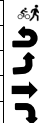
Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
1:00 PM	0	12	180	12	0	204	0	13	2	8	0	23	0	7	167	11	0	185	0	2	3	9	0	14	426
1:15 PM	0	9	142	9	0	160	0	12	3	15	0	30	0	7	205	14	0	226	0	10	1	4	1	15	431
1:30 PM	0	17	177	7	0	201	0	9	2	16	0	27	0	9	239	4	0	252	0	7	4	6	0	17	497
1:45 PM	0	22	203	8	0	233	0	8	5	16	0	29	0	12	210	14	0	236	0	6	0	8	0	14	512
Peak Hour Total	0	60	702	36	0	798	0	42	12	55	0	109	0	35	821	43	0	899	0	25	8	27	1	60	1866
Peak Hour Heavy Vehicles	0	1	66	1	0	68	0	0	0	0	0	0	0	1	21	1	0	23	0	1	0	0	1	1	92
Peak Hour Heavy Vehicles %	0.00%	1.67%	9.40%	2.78%	0.00%	8.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.86%	2.56%	2.33%	0.00%	2.56%	0.00%	4.00%	0.00%	0.00%	100.00%	1.67%	4.93%
PHF	0.000	0.682	0.865	0.750	0.000	0.856	0.000	0.808	0.600	0.859	0.000	0.908	0.000	0.729	0.859	0.768	0.000	0.892	0.000	0.625	0.500	0.750	0.250	0.882	0.911

PM Peak Hour (14:00 - 24:00)

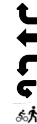
Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:15 PM	0	17	234	21	0	272	0	12	2	20	0	34	0	14	452	15	0	481	0	10	2	10	0	22	809
4:30 PM	0	18	243	19	0	280	0	17	3	15	0	35	0	13	427	10	0	450	0	8	3	10	0	21	786
4:45 PM	0	17	231	11	1	259	0	12	4	17	0	33	0	20	440	14	0	474	0	11	3	10	0	24	790
5:00 PM	0	24	258	15	0	297	0	8	3	5	3	16	0	22	472	8	1	502	0	11	3	8	0	22	837
Peak Hour Total	0	76	966	66	1	1108	0	49	12	57	3	118	0	69	1791	47	1	1907	0	40	11	38	0	89	3222
Peak Hour Heavy Vehicles	0	0	5	0	1	5	0	2	0	3	3	5	0	0	57	0	1	57	0	0	0	1	0	1	68
Peak Hour Heavy Vehicles %	0.00%	0.00%	0.52%	0.00%	100.00%	0.45%	0.00%	4.08%	0.00%	5.26%	100.00%	4.24%	0.00%	0.00%	3.18%	0.00%	100.00%	2.99%	0.00%	0.00%	0.00%	2.63%	0.00%	1.12%	2.11%
PHF	0.000	0.792	0.936	0.786	0.250	0.933	0.000	0.721	0.750	0.713	0.250	0.843	0.000	0.784	0.949	0.783	0.250	0.950	0.000	0.909	0.917	0.950	0.000	0.927	0.962

Total Vehicles On Leg			31958		
Vehicles Entering Intersection 15893			Vehicles Exiting Intersection 16065		
Southbound					
Cars	659	13974	814	5	1
Heavy	15	411	15	0	10
Total	674	14385	829	5	11

Total Vehicles on Leg 2776	Vehicles Entering Intersection 1329	Eastbound	Cars	Heavy	Total
			10	12	22
			1	0	1
			516	7	523
			118	5	123
	Exiting Intersection 1447		661	21	682



Daily Volumes



Cars	Heavy	Total	Westbound	Vehicles Entering Intersection n 1418	Total Vehicles on Leg 2947
686	14	700			
132	6	138			
571	9	580			
0	0	0			
2	10	12			
				Exiting Intersection n 1529	

						
Cars	7	6	620	14402	567	
Heavy	14	0	14	435	10	
Total	21	6	634	14837	577	
Vehicles Entering Intersection 16054			Vehicles Exiting Intersection 15653			
Total Vehicles On Leg			31707			

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound Heavy CSAH 78						Westbound Heavy 133rd Ave						Northbound Heavy CSAH 78						Eastbound Heavy 133rd 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	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
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	3
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
4:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
4:30 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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6
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	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	4
5:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6
5:45 AM	0	1	5	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	7
Hourly 'Heavy Vehicles'	0	1	13	0	0	14	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	1	1	17
6:00 AM	0	0	8	0	1	8	0	0	1	0	0	1	0	0	3	0	1	3	0	0	0	1	0	1	13
6:15 AM	0	0	15	0	0	15	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	1	0	1	21
6:30 AM	0	0	34	2	0	36	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	1	0	1	43
6:45 AM	0	0	16	2	0	18	0	0	0	0	0	0	0	0	4	0	0	4	0	0	1	0	0	1	23
Hourly 'Heavy Vehicles'	0	0	73	4	1	77	0	0	1	1	0	2	0	0	17	0	1	17	0	0	1	3	0	4	100
7:00 AM	0	1	7	0	0	8	0	2	0	1	1	3	0	0	6	0	0	6	0	0	0	1	0	1	18
7:15 AM	0	1	11	0	0	12	0	0	0	0	0	0	0	1	8	0	0	9	0	0	0	0	0	0	21
7:30 AM	0	1	9	1	0	11	0	0	0	0	0	0	0	0	5	0	2	5	0	0	0	2	0	2	18
7:45 AM	0	1	10	0	1	11	0	1	0	0	1	1	0	0	9	0	0	9	0	0	1	0	0	1	22
Hourly 'Heavy Vehicles'	0	4	37	1	1	42	0	3	0	1	2	4	0	1	28	0	2	29	0	0	1	3	0	4	79

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound Heavy CSAH 78						Westbound Heavy 133rd Ave						Northbound Heavy CSAH 78						Eastbound Heavy 133rd 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	1	9	0	0	10	0	2	0	1	0	3	0	1	3	1	0	5	0	1	0	2	0	3	21
8:15 AM	0	0	7	0	0	7	0	0	0	1	0	1	0	0	19	1	0	20	0	0	0	0	0	0	28
8:30 AM	0	0	4	1	0	5	0	0	0	0	0	0	0	1	7	1	1	9	0	0	0	2	1	2	16
8:45 AM	0	0	11	0	1	11	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	22
Hourly 'Heavy Vehicles'	0	1	31	1	1	33	0	2	0	2	0	4	0	2	40	3	1	45	0	1	0	4	1	5	87
9:00 AM	0	0	7	1	0	8	0	0	1	0	0	1	0	0	6	1	1	7	0	0	0	1	0	1	17
9:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	29	0	1	29	0	0	0	0	0	0	33
9:30 AM	0	1	4	0	0	5	0	0	0	1	0	1	0	1	35	0	0	36	0	0	0	0	0	0	42
9:45 AM	0	0	7	0	0	7	0	0	1	0	0	1	0	0	4	1	0	5	0	0	0	0	0	0	13
Hourly 'Heavy Vehicles'	0	1	22	1	0	24	0	0	2	1	0	3	0	1	74	2	2	77	0	0	0	1	0	1	105
10:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	1	0	1	8
10:15 AM	0	0	4	1	0	5	0	0	0	1	0	1	0	0	8	0	1	8	0	0	0	0	0	0	14
10:30 AM	0	0	8	0	0	8	0	0	1	0	0	1	0	1	7	0	0	8	0	0	0	1	0	1	18
10:45 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	1	8	0	2	9	0	0	1	0	0	1	21
Hourly 'Heavy Vehicles'	0	0	24	1	0	25	0	0	1	1	0	2	0	2	29	0	3	31	0	0	1	2	0	3	61
11:00 AM	0	0	11	1	0	12	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	14
11:15 AM	0	0	6	0	0	6	0	0	1	0	0	1	0	0	8	0	0	8	0	0	0	0	0	0	15
11:30 AM	0	1	7	1	0	9	0	0	0	0	0	0	0	1	5	0	2	6	0	1	0	0	0	1	16
11:45 AM	0	1	3	0	0	4	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	10
Hourly 'Heavy Vehicles'	0	2	27	2	0	31	0	0	1	0	0	1	0	1	21	0	2	22	0	1	0	0	0	1	55
12:00 PM	0	1	4	1	1	6	0	0	0	1	0	1	0	0	10	0	0	10	0	1	0	1	0	2	19
12:15 PM	0	1	2	1	0	4	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	15
12:30 PM	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
12:45 PM	0	0	7	1	0	8	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	0	0	0	13
Hourly 'Heavy Vehicles'	0	3	16	3	1	22	0	0	0	3	0	3	0	0	36	1	0	37	0	1	0	1	0	2	64
1:00 PM	0	0	6	1	0	7	0	0	0	0	0	0	0	1	6	0	0	7	0	0	0	0	0	0	14
1:15 PM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	1	0	13
1:30 PM	0	1	10	0	0	11	0	0	0	0	0	0	0	0	4	1	0	5	0	1	0	0	0	1	17
1:45 PM	0	0	41	0	0	41	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	48
Hourly 'Heavy Vehicles'	0	1	66	1	0	68	0	0	0	0	0	0	0	1	21	1	0	23	0	1	0	0	1	1	92
2:00 PM	0	1	30	0	1	31	0	0	0	1	0	1	0	0	6	0	0	6	0	0	0	1	2	1	39
2:15 PM	0	0	6	0	0	6	0	0	0	1	0	1	0	0	8	0	0	8	0	0	0	0	0	0	15
2:30 PM	0	0	8	0	0	8	0	0	1	0	0	1	0	2	6	0	0	8	0	0	0	0	0	0	17
2:45 PM	0	0	6	0	0	6	0	1	0	0	0	1	0	0	15	0	0	15	0	0	1	0	0	1	23
Hourly 'Heavy Vehicles'	0	1	50	0	1	51	0	1	1	2	0	4	0	2	35	0	0	37	0	0	1	1	2	2	94
3:00 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	9	0	0	9	0	1	0	0	0	1	14
3:15 PM	0	0	8	0	2	8	0	0	0	0	0	0	0	1	6	0	0	7	0	0	0	0	1	0	15
3:30 PM	0	1	3	0	0	4	0	0	0	0	0	0	0	2	10	0	0	12	0	1	0	2	0	3	19
3:45 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	0	0	1	1	3	2	10
Hourly 'Heavy Vehicles'	0	1	19	0	2	20	0	0	0	0	0	0	0	3	29	0	0	32	0	2	1	3	4	6	58

TMC 2552 - CSAH 78 @ 133rd Ave
Coon Rapids MN
Tuesday, May 13, 2025

Time	Southbound Heavy CSAH 78						Westbound Heavy 133rd Ave						Northbound Heavy CSAH 78						Eastbound Heavy 133rd 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	0	0	1	0	0	0	0	0	0	0	0	5	2	0	7	0	0	0	0	0	0	8
4:15 PM	0	0	0	0	0	0	0	2	0	1	0	3	0	0	8	0	0	8	0	0	0	0	0	0	11
4:30 PM	0	0	3	0	0	3	0	0	0	2	0	2	0	0	26	0	0	26	0	0	0	1	0	1	32
4:45 PM	0	0	2	0	1	2	0	0	0	0	0	0	0	0	17	0	0	17	0	0	0	0	0	0	19
Hourly 'Heavy Vehicles'	0	0	6	0	1	6	0	2	0	3	0	5	0	0	56	2	0	58	0	0	0	1	0	1	70
5:00 PM	0	0	0	0	0	0	0	0	0	0	3	0	0	0	6	0	0	6	0	0	0	0	0	0	6
5:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	10
5:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	5	0	0	5	0	1	0	0	0	1	7
5:45 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	4	0	0	4	0	0	0	0	3	0	0	0	21	0	0	21	0	1	0	0	0	1	26
6:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	6
6:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	3
6:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
6:45 PM	0	0	0	0	1	0	0	1	0	0	1	1	0	0	3	0	1	3	0	0	0	0	3	0	4
Hourly 'Heavy Vehicles'	0	0	3	1	1	4	0	1	0	0	1	1	0	1	8	1	3	10	0	0	0	0	3	0	15
7:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	4	0	0	0	0	0	0	4
7:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5
7:30 PM	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	0	1	3
7:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	4	0	0	4	0	0	0	0	2	0	0	0	9	0	0	9	0	0	0	1	0	1	14
8:00 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
8:15 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	2
8:30 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
8:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	5	0	1	5	0	0	0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	7
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
10:00 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
10:15 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
10:30 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
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	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
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	1	0	0	1	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	1
DAILY 'Heavy Vehicles'	0	15	411	15	10	441	0	9	6	14	10	29	0	14	435	10	14	459	0	7	5	21	12	33	962

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2552

Study Date : 05/29/2025

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 78

Number of Lanes : 2+

Total Approach Volume: 16,054

Southbound: CSAH 78

Number of Lanes :2+

Total Approach Volume: 15,893

Minor Street Approaches

Eastbound: 133rd Ave

Number of Lanes :1

Total Approach Volume: 647

Westbound: 133rd Ave

Number of Lanes :1

Total Approach Volume: 718

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 0 hours, 8 are needed

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

Required volumes reached for 7 hours, 8 are needed

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

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

Required 1B volumes reached for 11 hours, 8 are needed

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

Number of hours (6) 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: TMC 2552

Study Date : 05/29/2025

Warrant 1A - Minimum Volumes

Description

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

Summary

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

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **420**

Veh/Hr Minor = **105**

Major Road						Minor Road			
CSAH 78						133rd Ave			
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?	
16:15 - 17:15	1907	+	1108	=	3015	51	61	No	
16:30 - 17:30	1878	+	1098	=	2976	47	56	No	
16:45 - 17:45	1879	+	1086	=	2965	49	47	No	
16:00 - 17:00	1868	+	1093	=	2961	45	70	No	
15:45 - 16:45	1821	+	1111	=	2932	47	65	No	
17:00 - 18:00	1735	+	1061	=	2796	51	42	No	
15:30 - 16:30	1753	+	1038	=	2791	53	64	No	
15:15 - 16:15	1682	+	1004	=	2686	55	61	No	
17:15 - 18:15	1526	+	1008	=	2534	50	50	No	
15:00 - 16:00	1584	+	924	=	2508	57	55	No	
14:45 - 15:45	1517	+	845	=	2362	57	55	No	
07:00 - 08:00	688	+	1673	=	2361	40	26	No	
14:30 - 15:30	1463	+	880	=	2343	52	47	No	
17:30 - 18:30	1393	+	947	=	2340	52	54	No	
06:45 - 07:45	651	+	1673	=	2324	41	23	No	
07:15 - 08:15	707	+	1610	=	2317	39	26	No	
06:30 - 07:30	606	+	1607	=	2213	40	19	No	
07:30 - 08:30	684	+	1478	=	2162	37	21	No	
14:15 - 15:15	1314	+	846	=	2160	49	51	No	
17:45 - 18:45	1202	+	899	=	2101	54	54	No	
14:00 - 15:00	1189	+	876	=	2065	47	47	No	
06:15 - 07:15	546	+	1470	=	2016	36	15	No	
18:00 - 19:00	1138	+	863	=	2001	53	54	No	
07:45 - 08:45	675	+	1302	=	1977	38	22	No	
13:45 - 14:45	1065		911		1976	37	49	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2552

Study Date : 05/29/2025

Warrant 1B - Interruption of Continuous Traffic

Description

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

Summary

Only 7 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **630**

Veh/Hr Minor = **53**

Major Road						Minor Road		
CSAH 78						133rd Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	1821	+	1111	=	2932	47	65	Yes
14:45 - 15:45	1517	+	845	=	2362	57	55	Yes
17:30 - 18:30	1393	+	947	=	2340	52	54	Yes
12:30 - 13:30	856	+	747	=	1603	42	65	Yes
09:30 - 10:30	666	+	876	=	1542	36	61	Yes
11:30 - 12:30	775	+	765	=	1540	33	72	Yes
10:30 - 11:30	705	+	785	=	1490	44	78	Yes
16:45 - 17:45	1879	+	1086	=	2965	49	47	No
17:00 - 18:00	1735	+	1061	=	2796	51	42	No
17:15 - 18:15	1526	+	1008	=	2534	50	50	No
07:00 - 08:00	688	+	1673	=	2361	40	26	No
14:30 - 15:30	1463	+	880	=	2343	52	47	No
06:45 - 07:45	651	+	1673	=	2324	41	23	No
07:15 - 08:15	707	+	1610	=	2317	39	26	No
06:30 - 07:30	606	+	1607	=	2213	40	19	No
07:30 - 08:30	684	+	1478	=	2162	37	21	No
14:15 - 15:15	1314	+	846	=	2160	49	51	No
14:00 - 15:00	1189	+	876	=	2065	47	47	No
06:15 - 07:15	546	+	1470	=	2016	36	15	No
07:45 - 08:45	675	+	1302	=	1977	38	22	No
13:45 - 14:45	1065	+	911	=	1976	37	49	No
13:30 - 14:30	989	+	870	=	1859	36	49	No
06:00 - 07:00	490	+	1305	=	1795	32	14	No
08:00 - 09:00	666	+	1120	=	1786	37	24	No
18:30 - 19:30	971		803		1774	51	32	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2552

Study Date : 05/29/2025

Warrant 1C Combination of Warrants

Description

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

Summary

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

Site Data Required

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

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **336 504**

Veh/Hr Minor = **84 42**

Major Road						Minor Road					
CSAH 78						133rd Ave					
Time	Major NB	+	Major SB	=	Total		Minor EB		Minor WB		Met1A?
16:15 - 17:15	1907	+	1108	=	3015		51		61		No
16:30 - 17:30	1878	+	1098	=	2976		47		56		No
16:45 - 17:45	1879	+	1086	=	2965		49		47		No
16:00 - 17:00	1868	+	1093	=	2961		45		70		No
15:45 - 16:45	1821	+	1111	=	2932		47		65		No
17:00 - 18:00	1735	+	1061	=	2796		51		42		No
15:30 - 16:30	1753	+	1038	=	2791		53		64		No
15:15 - 16:15	1682	+	1004	=	2686		55		61		No
17:15 - 18:15	1526	+	1008	=	2534		50		50		No
15:00 - 16:00	1584	+	924	=	2508		57		55		No
14:45 - 15:45	1517	+	845	=	2362		57		55		No
07:00 - 08:00	688		1673		2361		40		26		No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:30 - 17:30	1878	+	1098	=	2976	47	56	Yes
15:30 - 16:30	1753	+	1038	=	2791	53	64	Yes
14:30 - 15:30	1463	+	880	=	2343	52	47	Yes
17:30 - 18:30	1393	+	947	=	2340	52	54	Yes
13:30 - 14:30	989	+	870	=	1859	36	49	Yes
18:30 - 19:30	971	+	803	=	1774	51	32	Yes
08:30 - 09:30	697	+	961	=	1658	42	32	Yes
12:30 - 13:30	856	+	747	=	1603	42	65	Yes
09:30 - 10:30	666	+	876	=	1542	36	61	Yes
11:30 - 12:30	775	+	765	=	1540	33	72	Yes
10:30 - 11:30	705	+	785	=	1490	44	78	Yes
07:00 - 08:00	688		1673		2361	40	26	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2552

Study Date : 05/29/2025

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.

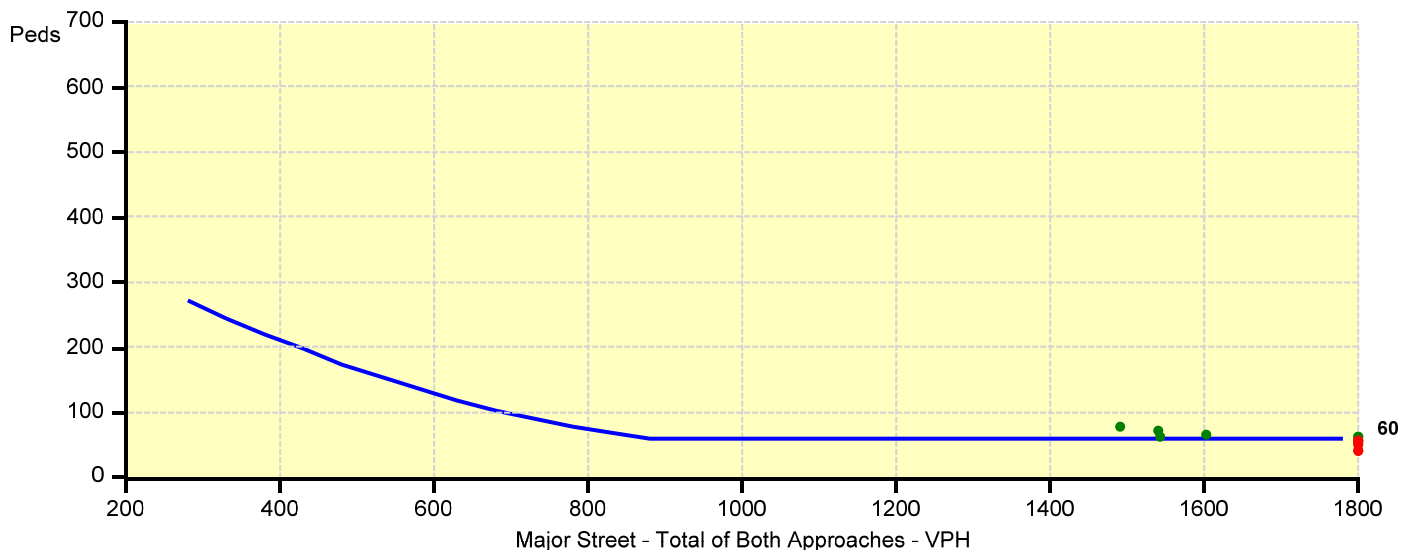
Summary

6 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**

Major Road CSAH 78						Minor Road 133rd Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:15 - 17:15	1907	+	1108	=	3015	51	61	Yes
15:15 - 16:15	1682	+	1004	=	2686	55	61	Yes
12:30 - 13:30	856	+	747	=	1603	42	65	Yes
09:30 - 10:30	666	+	876	=	1542	36	61	Yes
11:30 - 12:30	775	+	765	=	1540	33	72	Yes
10:30 - 11:30	705	+	785	=	1490	44	78	Yes
17:15 - 18:15	1526	+	1008	=	2534	50	50	No
15:00 - 16:00	1584	+	924	=	2508	57	55	No
14:45 - 15:45	1517	+	845	=	2362	57	55	No
07:00 - 08:00	688	+	1673	=	2361	40	26	No
14:30 - 15:30	1463	+	880	=	2343	52	47	No
17:30 - 18:30	1393		947		2340	52	54	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2552

Study Date : 05/29/2025

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

5 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**

Major Road CSAH 78						Minor Road 133rd Ave		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
11:15 - 12:15	759	+	776	=	1535	32	79	Yes
11:00 - 12:00	744	+	767	=	1511	30	78	Yes
10:30 - 11:30	705	+	785	=	1490	44	78	Yes
09:45 - 10:45	662	+	811	=	1473	42	77	Yes
10:15 - 11:15	667	+	796	=	1463	44	81	Yes
16:15 - 17:15	1907	+	1108	=	3015	51	61	No
16:30 - 17:30	1878	+	1098	=	2976	47	56	No
16:45 - 17:45	1879	+	1086	=	2965	49	47	No
16:00 - 17:00	1868	+	1093	=	2961	45	70	No
15:45 - 16:45	1821	+	1111	=	2932	47	65	No
17:00 - 18:00	1735	+	1061	=	2796	51	42	No
15:30 - 16:30	1753	+	1038	=	2791	53	64	No

