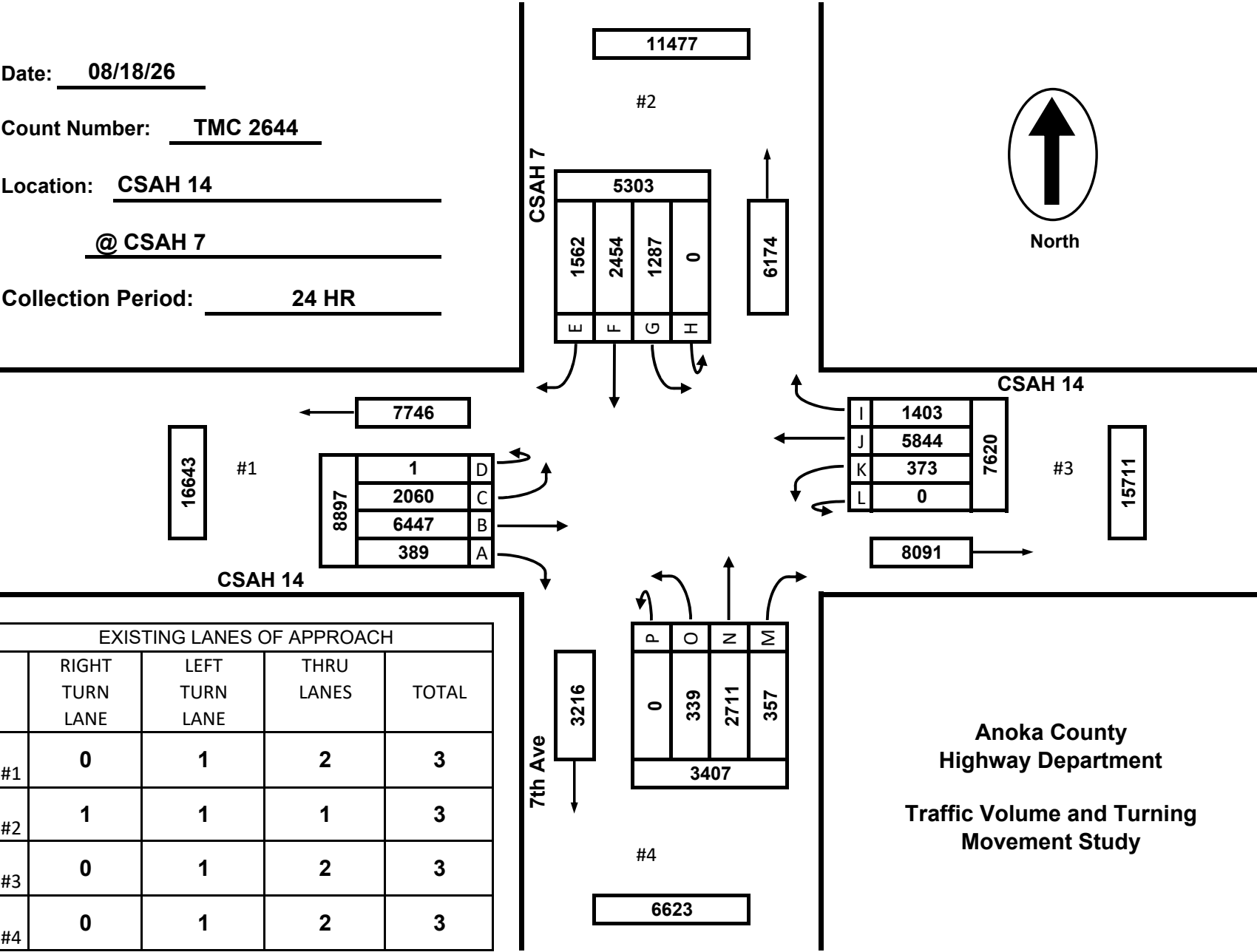


Date: 08/18/26

Count Number: TMC 2644

Location: CSAH 14
@ CSAH 7

Collection Period: 24 HR



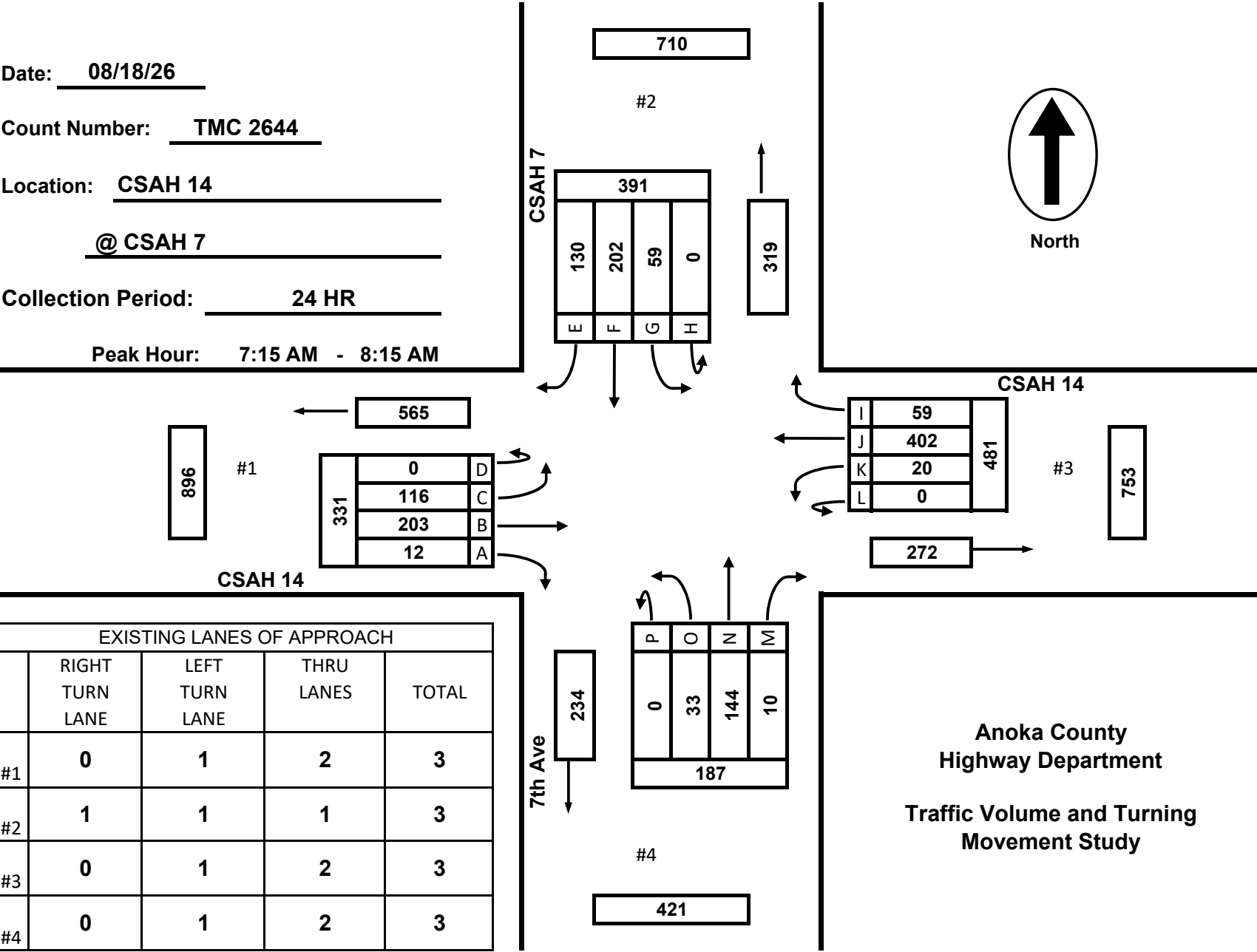
Date: 08/18/26

Count Number: TMC 2644

Location: CSAH 14
@ CSAH 7

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Peak Hour: 12:00 PM - 1:00 PM

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

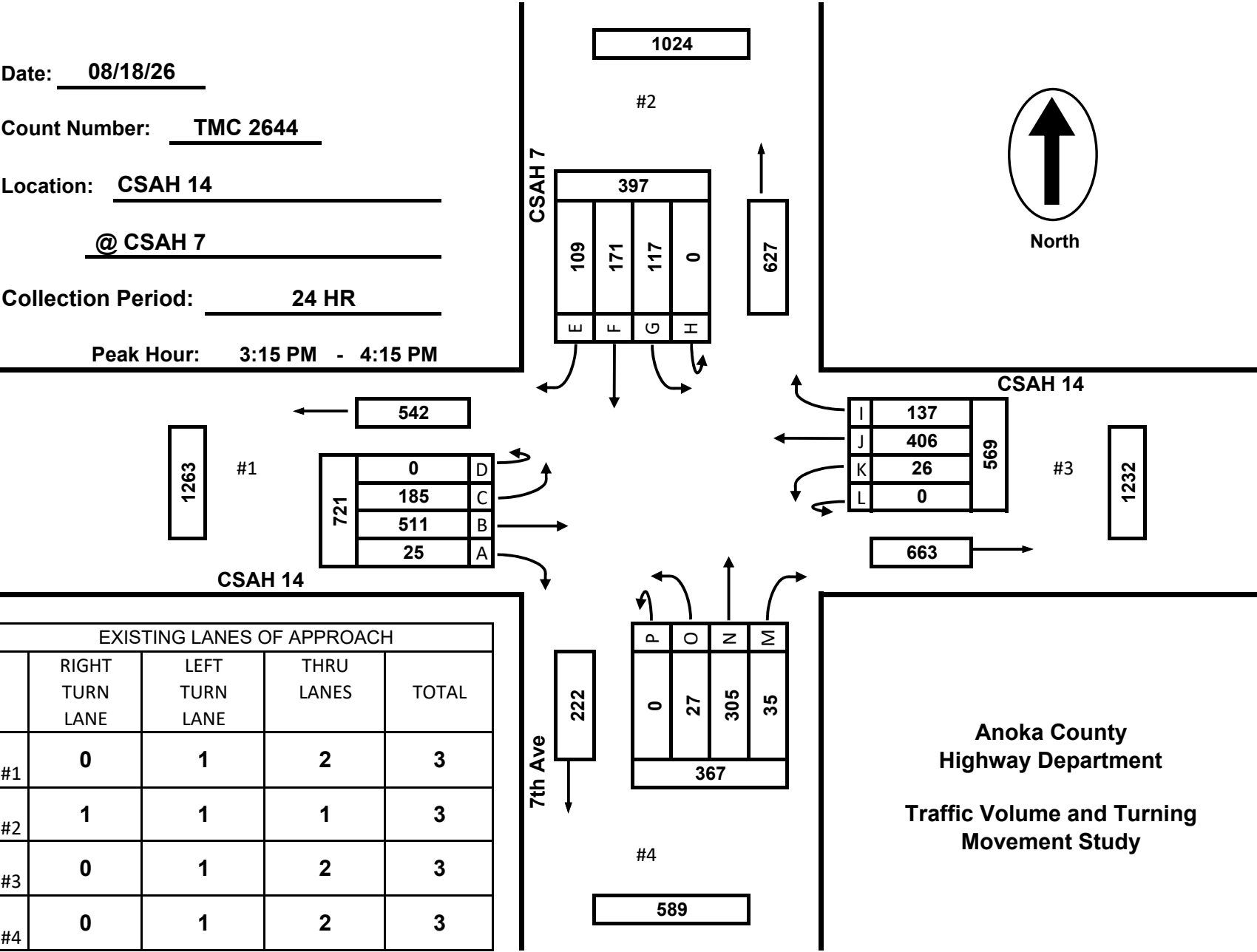
Date: 08/18/26

Count Number: TMC 2644

Location: CSAH 14
@ CSAH 7

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 2026

Time	Southbound CSAH 7						Westbound CSAH 14						Northbound 7th Ave						Eastbound CSAH 14						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	1	2	0	0	3	0	0	7	2	0	9	0	1	6	0	0	7	0	2	7	1	0	10	29
12:15 AM	0	1	1	1	0	3	0	1	14	1	0	16	0	0	1	1	1	2	0	4	7	2	0	13	34
12:30 AM	0	2	6	3	0	11	0	0	6	2	1	8	0	1	2	1	0	4	0	3	6	1	0	10	33
12:45 AM	0	3	3	3	0	9	0	0	14	1	0	15	0	2	2	0	1	4	0	0	10	0	0	10	38
Hourly Total	0	7	12	7	0	26	0	1	41	6	1	48	0	4	11	2	2	17	0	9	30	4	0	43	134
1:00 AM	0	0	9	2	1	11	0	0	2	0	0	2	0	1	5	0	0	6	0	0	6	0	0	6	25
1:15 AM	0	0	3	0	0	3	0	1	3	0	0	4	0	0	3	0	0	3	0	1	6	1	0	8	18
1:30 AM	0	1	1	1	0	3	0	0	12	1	0	13	0	0	1	1	0	2	0	1	8	1	0	10	28
1:45 AM	0	0	0	1	1	1	0	0	3	3	0	6	0	0	1	0	0	1	0	0	4	0	1	4	12
Hourly Total	0	1	13	4	2	18	0	1	20	4	0	25	0	1	10	1	0	12	0	2	24	2	1	28	83
2:00 AM	0	2	0	0	0	2	0	0	3	1	1	4	0	0	2	1	0	3	0	3	4	1	0	8	17
2:15 AM	0	2	2	1	0	5	0	0	3	0	0	3	0	1	1	0	0	2	0	6	5	1	0	12	22
2:30 AM	0	0	0	0	0	0	0	0	6	1	0	7	0	0	2	1	0	3	0	1	5	0	0	6	16
2:45 AM	0	0	1	0	0	1	0	1	8	1	0	10	0	0	2	0	0	2	0	2	4	0	0	6	19
Hourly Total	0	4	3	1	0	8	0	1	20	3	1	24	0	1	7	2	0	10	0	12	18	2	0	32	74
3:00 AM	0	0	1	0	0	1	0	0	9	1	0	10	0	0	1	1	0	2	0	1	1	0	0	2	15
3:15 AM	0	0	1	0	0	1	0	0	5	1	0	6	0	1	3	0	0	4	0	1	3	0	0	4	15
3:30 AM	0	2	2	1	0	5	0	0	1	1	0	2	0	0	1	0	0	1	0	4	4	0	0	8	16
3:45 AM	0	3	2	2	0	7	0	1	8	2	0	11	0	1	7	0	0	8	0	1	6	0	0	7	33
Hourly Total	0	5	6	3	0	14	0	1	23	5	0	29	0	2	12	1	0	15	0	7	14	0	0	21	79
4:00 AM	0	2	0	1	0	3	0	0	9	0	0	9	0	0	0	0	0	0	0	0	10	0	0	10	22
4:15 AM	0	2	1	2	0	5	0	0	6	1	0	7	0	0	6	3	0	9	0	2	8	0	0	10	31
4:30 AM	0	3	5	0	0	8	0	0	18	5	0	23	0	3	9	0	0	12	0	3	11	1	0	15	58
4:45 AM	0	0	5	2	0	7	0	0	15	1	1	16	0	0	3	2	0	5	0	3	21	0	0	24	52
Hourly Total	0	7	11	5	0	23	0	0	48	7	1	55	0	3	18	5	0	26	0	8	50	1	0	59	163
5:00 AM	0	2	8	3	0	13	0	0	22	3	0	25	0	1	6	4	0	11	0	4	11	2	0	17	66
5:15 AM	0	6	9	5	1	20	0	0	24	8	0	32	0	4	8	1	0	13	0	8	26	0	0	34	99
5:30 AM	0	10	19	9	1	38	0	0	31	8	0	39	0	5	17	1	0	23	0	8	19	0	0	27	127
5:45 AM	0	6	18	8	0	32	0	1	29	9	0	39	0	8	18	2	1	28	0	11	18	1	0	30	129
Hourly Total	0	24	54	25	2	103	0	1	106	28	0	135	0	18	49	8	1	75	0	31	74	3	0	108	421
6:00 AM	0	11	17	12	0	40	0	2	47	16	0	65	0	4	17	5	0	26	0	11	36	0	0	47	178
6:15 AM	0	13	33	19	0	65	0	1	32	10	0	43	0	5	23	1	0	29	0	16	40	1	0	57	194
6:30 AM	0	13	55	15	1	83	0	6	65	9	2	80	0	4	28	3	0	35	0	18	57	4	0	79	277
6:45 AM	0	16	72	29	0	117	0	2	74	23	1	99	0	5	28	1	1	34	0	22	54	3	1	79	329
Hourly Total	0	53	177	75	1	305	0	11	218	58	3	287	0	18	96	10	1	124	0	67	187	8	1	262	978
7:00 AM	0	17	28	22	0	67	0	3	74	29	0	106	0	4	25	3	0	32	0	26	51	3	0	80	285
7:15 AM	0	13	45	34	0	92	0	6	116	12	0	134	0	6	30	2	0	38	0	26	51	4	0	81	345
7:30 AM	0	13	54	36	0	103	0	6	88	14	2	108	0	12	48	4	0	64	0	26	47	0	0	73	348
7:45 AM	0	14	54	30	1	98	0	6	118	16	2	140	0	11	50	3	1	64	0	40	63	4	0	107	409
Hourly Total	0	57	181	122	1	360	0	21	396	71	4	488	0	33	153	12	1	198	0	118	212	11	0	341	1387

TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 2026

Time	Southbound CSAH 7						Westbound CSAH 14						Northbound 7th Ave						Eastbound CSAH 14						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	19	49	30	2	98	0	2	80	17	0	99	0	4	16	1	0	21	0	24	42	4	0	70	288
8:15 AM	0	11	35	44	1	90	0	7	78	11	2	96	0	7	26	3	0	36	0	29	49	6	1	84	306
8:30 AM	0	20	53	25	0	98	0	2	71	11	0	84	0	4	27	9	0	40	0	18	70	4	0	92	314
8:45 AM	0	16	43	38	0	97	0	4	92	9	0	105	0	3	27	6	0	36	0	34	76	4	0	114	352
Hourly Total	0	66	180	137	3	383	0	15	321	48	2	384	0	18	96	19	0	133	0	105	237	18	1	360	1260
9:00 AM	0	24	28	24	0	76	0	5	75	14	0	94	0	4	38	2	1	44	0	19	68	2	1	89	303
9:15 AM	0	21	38	21	0	80	0	5	68	18	0	91	0	4	40	7	1	51	0	17	95	5	0	117	339
9:30 AM	0	10	39	18	3	67	0	6	84	16	0	106	0	5	33	8	0	46	0	24	63	5	2	92	311
9:45 AM	0	19	37	33	2	89	0	10	73	16	0	99	0	2	29	6	0	37	0	19	84	2	0	105	330
Hourly Total	0	74	142	96	5	312	0	26	300	64	0	390	0	15	140	23	2	178	0	79	310	14	3	403	1283
10:00 AM	0	8	30	34	0	72	0	9	80	11	0	100	0	5	30	1	0	36	0	33	80	2	0	115	323
10:15 AM	0	10	30	12	0	52	0	3	73	18	0	94	0	2	36	4	0	42	0	22	82	7	0	111	299
10:30 AM	0	18	46	31	0	95	0	3	92	17	0	112	0	5	31	3	0	39	1	24	86	3	0	114	360
10:45 AM	0	19	41	28	4	88	0	8	108	22	3	138	0	8	34	10	0	52	0	39	120	8	2	167	445
Hourly Total	0	55	147	105	4	307	0	23	353	68	3	444	0	20	131	18	0	169	1	118	368	20	2	507	1427
11:00 AM	0	16	26	32	0	74	0	5	96	18	0	119	0	9	36	4	1	49	0	31	112	9	0	152	394
11:15 AM	0	16	33	29	0	78	0	10	100	23	0	133	0	7	26	10	0	43	0	31	119	5	0	155	409
11:30 AM	0	26	41	31	0	98	0	5	102	29	1	136	0	5	27	3	1	35	0	44	108	3	0	155	424
11:45 AM	0	25	28	29	0	82	0	10	112	25	0	147	0	2	50	9	0	61	0	25	138	6	0	169	459
Hourly Total	0	83	128	121	0	332	0	30	410	95	1	535	0	23	139	26	2	188	0	131	477	23	0	631	1686
12:00 PM	0	26	34	28	0	88	0	2	98	27	0	127	0	3	38	8	0	49	0	34	148	4	0	186	450
12:15 PM	0	33	33	21	0	87	0	5	122	26	1	153	0	4	47	11	0	62	0	37	133	9	0	179	481
12:30 PM	0	18	34	30	1	82	0	8	128	33	1	169	0	3	40	9	0	52	0	37	119	7	0	163	466
12:45 PM	0	18	41	40	2	99	0	7	122	19	2	148	0	6	40	13	1	59	0	28	121	11	0	160	466
Hourly Total	0	95	142	119	3	356	0	22	470	105	4	597	0	16	165	41	1	222	0	136	521	31	0	688	1863
1:00 PM	0	24	38	20	0	82	0	7	112	19	0	138	0	5	42	7	0	54	0	33	118	7	0	158	432
1:15 PM	0	19	41	29	0	89	0	9	115	24	0	148	0	2	54	4	1	60	0	39	116	9	0	164	461
1:30 PM	0	21	35	23	0	79	0	10	92	19	0	121	0	5	33	9	1	47	0	35	112	8	0	155	402
1:45 PM	0	23	34	23	0	80	0	6	123	15	0	144	0	5	50	5	5	60	0	39	134	8	1	181	465
Hourly Total	0	87	148	95	0	330	0	32	442	77	0	551	0	17	179	25	7	221	0	146	480	32	1	658	1760
2:00 PM	0	18	41	24	3	83	0	8	96	28	3	132	0	5	53	4	3	62	0	52	120	7	0	179	456
2:15 PM	0	25	52	31	1	108	0	5	99	26	0	130	0	4	54	8	4	66	0	42	139	8	2	189	493
2:30 PM	0	31	47	25	0	103	0	5	107	19	0	131	0	5	44	8	7	57	0	39	138	6	1	183	474
2:45 PM	0	22	38	32	0	92	0	9	94	24	1	127	0	13	48	5	0	66	0	47	153	14	0	214	499
Hourly Total	0	96	178	112	4	386	0	27	396	97	4	520	0	27	199	25	14	251	0	180	550	35	3	765	1922
3:00 PM	0	25	44	35	1	104	0	8	104	26	0	138	0	2	71	7	1	80	0	40	131	4	0	175	497
3:15 PM	0	37	44	25	0	106	0	7	103	40	0	150	0	7	66	6	1	79	0	40	124	5	0	169	504
3:30 PM	0	38	42	28	1	108	0	7	113	25	1	145	0	7	99	7	0	113	0	41	130	7	0	178	544
3:45 PM	0	21	45	36	0	102	0	4	119	34	0	157	0	4	69	11	0	84	0	47	106	8	0	161	504
Hourly Total	0	121	175	124	2	420	0	26	439	125	1	590	0	20	305	31	2	356	0	168	491	24	0	683	2049

TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 2026

Time	Southbound CSAH 7						Westbound CSAH 14						Northbound 7th Ave						Eastbound CSAH 14						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	21	40	20	0	81	0	8	71	38	2	117	0	9	71	11	2	91	0	57	151	5	1	213	502
4:15 PM	0	31	43	22	0	96	0	8	76	33	0	117	0	5	62	6	0	73	0	37	120	11	2	168	454
4:30 PM	0	43	35	24	1	102	0	11	82	34	1	127	0	4	65	3	2	72	0	48	176	6	1	230	531
4:45 PM	0	36	52	23	1	111	0	6	84	24	1	114	0	9	62	2	0	73	0	53	127	9	1	189	487
Hourly Total	0	131	170	89	2	390	0	33	313	129	4	475	0	27	260	22	4	309	0	195	574	31	5	800	1974
5:00 PM	0	26	39	24	0	89	0	10	96	34	0	140	0	3	70	1	2	74	0	53	125	6	0	184	487
5:15 PM	0	29	41	15	1	85	0	7	117	39	0	163	0	5	62	8	0	75	0	55	143	9	0	207	530
5:30 PM	0	30	23	15	0	68	0	8	104	35	0	147	0	7	85	5	2	97	0	47	146	9	0	202	514
5:45 PM	0	24	37	27	1	88	0	9	109	32	0	150	0	8	43	7	0	58	0	32	93	5	0	130	426
Hourly Total	0	109	140	81	2	330	0	34	426	140	0	600	0	23	260	21	4	304	0	187	507	29	0	723	1957
6:00 PM	0	21	28	15	0	64	0	6	70	33	1	109	0	7	47	3	2	57	0	35	97	4	0	136	366
6:15 PM	0	18	40	15	1	73	0	6	86	25	0	117	0	7	33	3	3	43	0	39	80	8	1	127	360
6:30 PM	0	17	43	25	0	85	0	5	71	17	1	93	0	6	36	3	1	45	0	28	84	6	1	118	341
6:45 PM	0	11	27	17	3	55	0	3	68	11	3	82	0	4	35	4	0	43	0	25	93	7	0	125	305
Hourly Total	0	67	138	72	4	277	0	20	295	86	5	401	0	24	151	13	6	188	0	127	354	25	2	506	1372
7:00 PM	0	17	22	17	0	56	0	3	104	34	0	141	0	2	24	6	2	32	0	13	72	9	0	94	323
7:15 PM	0	12	29	15	1	56	0	4	67	20	1	91	0	2	22	10	1	34	0	22	92	4	1	118	299
7:30 PM	0	11	19	20	1	50	0	7	71	10	1	88	0	1	39	3	0	43	0	20	88	8	0	116	297
7:45 PM	0	10	28	16	1	54	0	3	67	19	0	89	0	1	32	1	0	34	0	29	65	2	2	96	273
Hourly Total	0	50	98	68	3	216	0	17	309	83	2	409	0	6	117	20	3	143	0	84	317	23	3	424	1192
8:00 PM	0	15	25	15	1	55	0	4	64	11	2	79	0	3	26	3	0	32	0	22	87	4	0	113	279
8:15 PM	0	8	18	12	2	38	0	2	75	13	2	90	0	2	28	4	0	34	0	14	82	3	0	99	261
8:30 PM	0	13	15	11	0	39	0	3	53	12	1	68	0	2	22	3	1	27	0	10	71	8	3	89	223
8:45 PM	0	6	16	5	1	27	0	3	39	11	0	53	0	1	17	1	2	19	0	16	62	2	0	80	179
Hourly Total	0	42	74	43	4	159	0	12	231	47	5	290	0	8	93	11	3	112	0	62	302	17	3	381	942
9:00 PM	0	8	14	16	0	38	0	5	49	11	0	65	0	2	9	7	0	18	0	16	58	3	1	77	198
9:15 PM	0	6	9	8	0	23	0	6	28	4	0	38	0	0	20	4	0	24	0	8	49	8	0	65	150
9:30 PM	0	6	14	6	0	26	0	1	31	8	1	40	0	1	13	1	0	15	0	8	33	4	0	45	126
9:45 PM	0	2	15	5	1	22	0	2	24	4	0	30	0	1	11	0	2	12	0	9	29	4	1	42	106
Hourly Total	0	22	52	35	1	109	0	14	132	27	1	173	0	4	53	12	2	69	0	41	169	19	2	229	580
10:00 PM	0	4	12	3	0	19	0	2	18	4	1	24	0	3	6	1	3	10	0	12	37	6	0	55	108
10:15 PM	0	7	15	1	0	23	0	1	19	5	0	25	0	1	9	2	1	12	0	6	47	0	0	53	113
10:30 PM	0	3	11	5	0	19	0	0	13	3	1	16	0	2	9	3	0	14	0	6	27	2	0	35	84
10:45 PM	0	4	15	4	0	23	0	1	16	1	0	18	0	2	7	2	0	11	0	8	23	6	0	37	89
Hourly Total	0	18	53	13	0	84	0	4	66	13	2	83	0	8	31	8	4	47	0	32	134	14	0	180	394
11:00 PM	0	2	13	2	0	17	0	0	18	6	0	24	0	0	10	0	0	10	0	8	9	2	0	19	70
11:15 PM	0	2	6	2	1	10	0	0	10	4	1	14	0	1	7	0	1	8	0	2	16	0	0	18	50
11:30 PM	0	7	6	5	0	18	0	1	30	4	0	35	0	1	11	0	0	12	0	1	12	0	0	13	78
11:45 PM	0	2	7	1	0	10	0	0	11	3	0	14	0	1	8	1	0	10	0	4	10	1	0	15	49
Hourly Total	0	13	32	10	1	55	0	1	69	17	1	87	0	3	36	1	1	40	0	15	47	3	0	65	247
DAILY TOTAL	0	1287	2454	1562	44	5303	0	373	5844	1403	45	7620	0	339	2711	357	60	3407	1	2060	6447	389	27	8897	25227
Cars	0	1249	2441	1543	31	5233	0	367	5762	1355	18	7484	0	339	2686	350	31	3375	1	2034	6353	382	12	8770	24862
Heavy Vehicles	0	38	13	19	13	70	0	6	82	48	27	136	0	0	25	7	29	32	0	26	94	7	15	127	365
Heavy Vehicle %	0.00%	2.95%	0.53%	1.22%	29.55%	1.32%	0.00%	1.61%	1.40%	3.42%	60.00%	1.78%	0.00%	0.00%	0.92%	1.96%	48.33%	0.94%	0.00%	1.26%	1.46%	1.80%	55.56%	1.43%	1.45%

TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 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	
7:15 AM	0	13	45	34	0	92	0	6	116	12	0	134	0	6	30	2	0	38	0	26	51	4	0	81	345
7:30 AM	0	13	54	36	0	103	0	6	88	14	2	108	0	12	48	4	0	64	0	26	47	0	0	73	348
7:45 AM	0	14	54	30	1	98	0	6	118	16	2	140	0	11	50	3	1	64	0	40	63	4	0	107	409
8:00 AM	0	19	49	30	2	98	0	2	80	17	0	99	0	4	16	1	0	21	0	24	42	4	0	70	288
Peak Hour Total	0	59	202	130	3	391	0	20	402	59	4	481	0	33	144	10	1	187	0	116	203	12	0	331	1390
Peak Hour Heavy Vehicles	0	5	0	2	0	7	0	1	4	1	2	6	0	0	0	0	0	0	0	0	5	0	0	5	18
Peak Hour Heavy Vehicles % PHF	0.00%	8.47%	0.00%	1.54%	0.00%	1.79%	0.00%	5.00%	1.00%	1.69%	50.00%	1.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.46%	0.00%	0.00%	1.51%	1.29%
	0.000	0.776	0.935	0.903	0.375	0.949	0.000	0.833	0.852	0.868	0.500	0.859	0.000	0.688	0.720	0.625	0.250	0.730	0.000	0.725	0.806	0.750	0.000	0.773	0.850

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	
12:00 PM	0	26	34	28	0	88	0	2	98	27	0	127	0	3	38	8	0	49	0	34	148	4	0	186	450
12:15 PM	0	33	33	21	0	87	0	5	122	26	1	153	0	4	47	11	0	62	0	37	133	9	0	179	481
12:30 PM	0	18	34	30	1	82	0	8	128	33	1	169	0	3	40	9	0	52	0	37	119	7	0	163	466
12:45 PM	0	18	41	40	2	99	0	7	122	19	2	148	0	6	40	13	1	59	0	28	121	11	0	160	466
Peak Hour Total	0	95	142	119	3	356	0	22	470	105	4	597	0	16	165	41	1	222	0	136	521	31	0	688	1863
Peak Hour Heavy Vehicles	0	1	0	3	1	4	0	0	5	5	4	10	0	0	0	1	1	1	0	3	8	1	0	12	27
Peak Hour Heavy Vehicles % PHF	0.00%	1.05%	0.00%	2.52%	33.33%	1.12%	0.00%	0.00%	1.06%	4.76%	100.00%	1.68%	0.00%	0.00%	0.00%	2.44%	100.00%	0.45%	0.00%	2.21%	1.54%	3.23%	0.00%	1.74%	1.45%
	0.000	0.720	0.866	0.744	0.375	0.899	0.000	0.688	0.918	0.795	0.500	0.883	0.000	0.667	0.878	0.788	0.250	0.895	0.000	0.919	0.880	0.705	0.000	0.925	0.968

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	37	44	25	0	106	0	7	103	40	0	150	0	7	66	6	1	79	0	40	124	5	0	169	504
3:30 PM	0	38	42	28	1	108	0	7	113	25	1	145	0	7	99	7	0	113	0	41	130	7	0	178	544
3:45 PM	0	21	45	36	0	102	0	4	119	34	0	157	0	4	69	11	0	84	0	47	106	8	0	161	504
4:00 PM	0	21	40	20	0	81	0	8	71	38	2	117	0	9	71	11	2	91	0	57	151	5	1	213	502
Peak Hour Total	0	117	171	109	1	397	0	26	406	137	3	569	0	27	305	35	3	367	0	185	511	25	1	721	2054
Peak Hour Heavy Vehicles	0	0	2	1	0	3	0	2	6	3	2	11	0	0	1	0	0	1	0	0	0	0	0	0	15
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	1.17%	0.92%	0.00%	0.76%	0.00%	7.69%	1.48%	2.19%	66.67%	1.93%	0.00%	0.00%	0.33%	0.00%	0.00%	0.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.73%
	0.000	0.770	0.950	0.757	0.250	0.919	0.000	0.813	0.853	0.856	0.375	0.906	0.000	0.750	0.770	0.795	0.375	0.812	0.000	0.811	0.846	0.781	0.250	0.846	0.944

Total Vehicles On Leg			11477		
Vehicles Entering Intersection		5303	Vehicles Exiting Intersection		6174
Southbound					
Cars	1543	2441	1249	0	31
Heavy	19	13	38	0	13
Total	1562	2454	1287	0	44

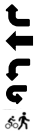


Total Vehicles on Leg	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total
	8897		12	15	27
16643	Vehicles Exiting Intersection 7746	Eastbound	1	0	1
			2034	26	2060
			6353	94	6447
			382	7	389



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg
1355	48	1403		7620	
5762	82	5844		Vehicles Exiting Intersection 8091	
367	6	373			
0	0	0			
18	27	45			



Total Vehicles On Leg			6623		
Cars	31	0	339	2686	350
Heavy	29	0	7	25	7
Total	60	0	339	2711	357
Northbound					
Vehicles Entering Intersection		3407	Vehicles Exiting Intersection		3216
Total Vehicles On Leg			6623		



TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 2026

Time	Southbound Heavy CSAH 7						Westbound Heavy CSAH 14						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 14						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	1	0	0	0	1	0	0	1	1
12:30 AM	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	1	1
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	0	1	0	0	0	0	1	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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
3:45 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	2	4
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
4:30 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
4:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	6
5:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	2	0	0	3	5
5:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5:30 AM	0	1	0	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	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	4
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	5	0	6	11
6:00 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	4
6:15 AM	0	0	1	0	0	1	0	0	1	2	0	3	0	0	0	0	0	0	0	1	0	0	0	1	5
6:30 AM	0	0	1	1	0	2	0	0	0	1	2	1	0	0	0	0	0	0	0	0	2	0	0	2	5
6:45 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	3
Hourly 'Heavy Vehicles'	0	0	2	2	0	4	0	0	3	3	2	6	0	0	1	0	0	1	0	1	5	0	0	6	17
7:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
7:15 AM	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	4	0	0	4	6
7:30 AM	0	1	0	2	0	3	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	5
7:45 AM	0	1	0	0	0	1	0	0	2	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	2	0	3	0	5	0	1	4	1	2	6	0	0	0	0	1	0	0	0	6	0	0	6	17

TMC 2644 - CSAH 14 @ CSAH 7 Anoka MN Tuesday, August 18, 2026																									
Time	Southbound Heavy CSAH 7						Westbound Heavy CSAH 14						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 14						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	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4
8:15 AM	0	1	0	0	0	1	0	0	3	1	1	4	0	0	0	2	0	2	0	0	0	0	0	0	7
8:30 AM	0	1	1	0	0	2	0	0	5	2	0	7	0	0	1	1	0	2	0	0	1	0	0	1	12
8:45 AM	0	0	1	0	0	1	0	0	1	1	0	2	0	0	1	0	0	1	0	0	1	1	0	2	6
Hourly 'Heavy Vehicles'	0	5	2	0	0	7	0	0	9	4	1	13	0	0	2	3	0	5	0	0	3	1	0	4	29
9:00 AM	0	1	0	1	0	2	0	1	1	1	0	3	0	0	2	0	0	2	0	0	2	1	0	3	10
9:15 AM	0	2	0	1	0	3	0	0	2	1	0	3	0	0	0	0	1	0	0	3	3	0	0	6	12
9:30 AM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	2	2	4
9:45 AM	0	2	0	0	0	2	0	1	4	1	0	6	0	0	0	0	0	0	0	0	2	0	0	2	10
Hourly 'Heavy Vehicles'	0	5	0	2	0	7	0	2	8	4	0	14	0	0	2	0	1	2	0	3	9	1	2	13	36
10:00 AM	0	0	0	0	0	0	0	0	3	3	0	6	0	0	3	0	0	3	0	0	3	0	0	3	12
10:15 AM	0	2	0	0	0	2	0	0	1	0	0	1	0	0	1	0	0	1	0	3	4	0	0	7	11
10:30 AM	0	1	0	1	0	2	0	0	1	3	0	4	0	0	0	0	0	0	0	1	2	0	0	3	9
10:45 AM	0	1	0	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	0	1	4	0	0	5	9
Hourly 'Heavy Vehicles'	0	4	0	1	0	5	0	0	8	6	0	14	0	0	4	0	0	4	0	5	13	0	0	18	41
11:00 AM	0	1	1	0	0	2	0	0	1	1	0	2	0	0	0	0	1	0	0	0	4	0	0	4	8
11:15 AM	0	0	0	2	0	2	0	0	1	2	0	3	0	0	0	0	0	0	0	1	2	0	0	3	8
11:30 AM	0	2	0	1	0	3	0	0	3	1	0	4	0	0	1	0	0	1	0	2	3	0	0	5	13
11:45 AM	0	2	3	0	0	5	0	1	1	0	0	2	0	0	1	0	0	1	0	0	3	0	0	3	11
Hourly 'Heavy Vehicles'	0	5	4	3	0	12	0	1	6	4	0	11	0	0	2	0	1	2	0	3	12	0	0	15	40
12:00 PM	0	0	0	2	0	2	0	0	3	2	0	5	0	0	0	0	0	0	0	1	1	0	0	2	9
12:15 PM	0	1	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1	3	1	0	5	7
12:30 PM	0	0	0	0	1	0	0	0	1	1	1	2	0	0	0	1	0	1	0	1	2	0	0	3	6
12:45 PM	0	0	0	0	0	0	0	0	1	2	2	3	0	0	0	0	1	0	0	0	2	0	0	2	5
Hourly 'Heavy Vehicles'	0	1	0	3	1	4	0	0	5	5	4	10	0	0	0	1	1	1	0	3	8	1	0	12	27
1:00 PM	0	0	0	1	0	1	0	0	1	4	0	5	0	0	0	0	0	0	0	0	1	0	0	1	7
1:15 PM	0	1	0	0	0	1	0	0	3	2	0	5	0	0	1	1	1	2	0	0	3	1	0	4	12
1:30 PM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4
1:45 PM	0	1	0	2	0	3	0	0	2	0	0	2	0	0	0	0	1	0	0	3	2	0	1	5	10
Hourly 'Heavy Vehicles'	0	4	1	3	0	8	0	0	6	6	0	12	0	0	1	1	2	2	0	3	7	1	1	11	33
2:00 PM	0	0	0	0	2	0	0	0	2	2	1	4	0	0	2	0	1	2	0	0	1	1	0	2	8
2:15 PM	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	4
2:30 PM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	2	0	1	2	0	0	0	1	0	1	5
2:45 PM	0	0	0	0	0	0	0	0	2	2	1	4	0	0	0	0	0	0	0	2	2	0	0	4	8
Hourly 'Heavy Vehicles'	0	2	0	0	2	2	0	0	6	5	2	11	0	0	4	1	2	5	0	2	3	2	0	7	25
3:00 PM	0	2	2	0	0	4	0	0	0	0	0	0	0	0	4	1	1	5	0	0	1	0	0	1	10
3:15 PM	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5
3:30 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
3:45 PM	0	0	1	0	0	1	0	1	2	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	2	3	1	0	6	0	1	6	1	0	8	0	0	4	1	1	5	0	0	1	0	0	1	20

TMC 2644 - CSAH 14 @ CSAH 7
Anoka MN
Tuesday, August 18, 2026

Time	Southbound Heavy CSAH 7						Westbound Heavy CSAH 14						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 14						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	1	0	2	2	3	0	0	1	0	1	1	0	0	0	0	0	0	5
4:15 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3
4:30 PM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	1	0	0	1	1	0	0	2	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	1	1	0	0	2	0	1	2	2	3	5	0	0	1	0	2	1	0	1	3	1	2	5	13
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	4	1	0	0	2	0	0	2	4
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	3	0	0	0	2	0	1	2	3
6:30 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1
6:45 PM	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	1	0	0	3	1	0	0	0	1	2	1	0	0	0	0	5	0	0	0	3	0	2	3	5
7:00 PM	0	1	0	0	0	1	0	0	3	1	0	4	0	0	0	0	0	0	0	0	1	0	0	1	6
7:15 PM	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
7:30 PM	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2
7:45 PM	0	0	0	1	1	1	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	0	2	4	7
Hourly 'Heavy Vehicles'	0	2	0	1	3	3	0	0	6	1	1	7	0	0	0	0	0	0	0	0	2	4	0	3	16
8:00 PM	0	0	0	0	1	0	0	0	0	1	2	1	0	0	1	0	0	1	0	0	0	0	0	0	2
8:15 PM	0	0	0	0	2	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	1	1
8:45 PM	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	0	4	0	0	0	2	1	5	3	0	0	1	0	1	1	0	0	2	0	3	2	6
9:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	1	2	3
9:15 PM	0	1	0	0	0	1	0	0	1	1	0	2	0	0	1	0	0	1	0	0	0	0	0	0	4
9:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
9:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	1	2	0	3	0	0	1	0	2	1	0	1	3	0	2	4	9
10:00 PM	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	3	0	0	0	0	0	0	0	1
10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	2
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	2	0	2	2	0	0	1	0	4	1	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	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY 'Heavy Vehicles'	0	38	13	19	13	70	0	6	82	48	27	136	0	0	25	7	29	32	0	26	94	7	15	127	365

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2644

Study Date : 08/31/2026

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 14

Number of Lanes : 2+

Total Approach Volume: 8,897

Westbound: CSAH 14

Number of Lanes : 2+

Total Approach Volume: 7,620

Minor Street Approaches

Northbound: 7th Ave

Number of Lanes : 2+

Total Approach Volume: 3,407

Southbound: CSAH 7

Number of Lanes : 2+

Total Approach Volume: 3,741

Warrant Summary (Urban 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: TMC 2644

Study Date : 08/31/2026

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 = **False**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **2 or more**

Volume Requirements

Veh/Hr Major = **360**

Veh/Hr Minor = **120**

Major Road						Minor Road		
CSAH 14						7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:45 - 17:45	782	+	564	=	1346	319	276	Yes
14:45 - 15:45	736	+	560	=	1296	338	290	Yes
11:45 - 12:45	697	+	596	=	1293	224	231	Yes
15:45 - 16:45	772	+	518	=	1290	320	279	Yes
13:45 - 14:45	732	+	537	=	1269	245	271	Yes
12:45 - 13:45	637	+	555	=	1192	220	237	Yes
10:45 - 11:45	629	+	526	=	1155	179	218	Yes
17:45 - 18:45	511	+	469	=	980	203	228	Yes
18:45 - 19:45	453	+	402	=	855	152	148	Yes
09:45 - 10:45	445	+	405	=	850	154	198	Yes
08:45 - 09:45	412	+	396	=	808	177	219	Yes
07:45 - 08:45	353	+	419	=	772	161	255	Yes
06:45 - 07:45	313	+	447	=	760	168	258	Yes
19:45 - 20:45	397	+	326	=	723	127	132	Yes
05:45 - 06:45	213	+	227	=	440	118	166	Yes
20:45 - 21:45	267	+	196	=	463	76	79	No
21:00 - 22:00	229	+	173	=	402	69	74	No
05:30 - 06:30	161	+	186	=	347	106	127	No
21:15 - 22:15	207	+	132	=	339	61	68	No
21:30 - 22:30	195	+	119	=	314	49	75	No
05:15 - 06:15	138	+	175	=	313	90	96	No
21:45 - 22:45	185	+	95	=	280	48	69	No
22:00 - 23:00	180	+	83	=	263	47	71	No
05:00 - 06:00	108	+	135	=	243	75	78	No
22:15 - 23:15	144		83		227	47	70	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2644

Study Date : 08/31/2026

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 = **False**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **2 or more**

Volume Requirements

Veh/Hr Major = **540**

Veh/Hr Minor = **60**

Major Road						Minor Road		
CSAH 14						7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
17:00 - 18:00	723	+	600	=	1323	304	249	Yes
14:00 - 15:00	765	+	520	=	1285	251	274	Yes
12:00 - 13:00	688	+	597	=	1285	222	237	Yes
16:00 - 17:00	800	+	475	=	1275	309	301	Yes
15:00 - 16:00	683	+	590	=	1273	356	296	Yes
13:00 - 14:00	658	+	551	=	1209	221	235	Yes
11:00 - 12:00	631	+	535	=	1166	188	211	Yes
10:00 - 11:00	507	+	444	=	951	169	202	Yes
18:00 - 19:00	506	+	401	=	907	188	205	Yes
19:00 - 20:00	424	+	409	=	833	143	148	Yes
07:00 - 08:00	341	+	488	=	829	198	238	Yes
09:00 - 10:00	403	+	390	=	793	178	216	Yes
08:00 - 09:00	360	+	384	=	744	133	246	Yes
20:00 - 21:00	381	+	290	=	671	112	116	Yes
06:00 - 07:00	262	+	287	=	549	124	230	Yes
05:45 - 06:45	213	+	227	=	440	118	166	No
21:00 - 22:00	229	+	173	=	402	69	74	No
05:30 - 06:30	161	+	186	=	347	106	127	No
21:15 - 22:15	207	+	132	=	339	61	68	No
21:30 - 22:30	195	+	119	=	314	49	75	No
05:15 - 06:15	138	+	175	=	313	90	96	No
21:45 - 22:45	185	+	95	=	280	48	69	No
22:00 - 23:00	180	+	83	=	263	47	71	No
05:00 - 06:00	108	+	135	=	243	75	78	No
22:15 - 23:15	144		83		227	47	70	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2644

Study Date : 08/31/2026

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 = **False**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **2 or more**

Volume Requirements

Warrant 1A 1B
Veh/Hr Major = **288 432**

Veh/Hr Minor = **96 48**

Major Road						Minor Road					
CSAH 14						7th Ave					
Time	Major EB	+	Major WB	=	Total		Minor NB		Minor SB		Met1A?
15:15 - 16:15	721	+	569	=	1290		367		288		Yes
14:15 - 15:15	761	+	526	=	1287		269		284		Yes
16:15 - 17:15	771	+	498	=	1269		292		305		Yes
12:15 - 13:15	660	+	608	=	1268		227		239		Yes
17:15 - 18:15	675	+	569	=	1244		287		233		Yes
13:15 - 14:15	679	+	545	=	1224		229		232		Yes
11:15 - 12:15	665	+	543	=	1208		188		229		Yes
10:15 - 11:15	544	+	463	=	1007		182		206		Yes
18:15 - 19:15	464	+	433	=	897		163		195		Yes
09:15 - 10:15	429	+	396	=	825		170		202		Yes
07:15 - 08:15	331	+	481	=	812		187		261		Yes
19:15 - 20:15	443		347		790		143		149		Yes

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:45 - 17:45	782	+	564	=	1346	319	276	Yes
14:45 - 15:45	736	+	560	=	1296	338	290	Yes
11:45 - 12:45	697	+	596	=	1293	224	231	Yes
15:45 - 16:45	772	+	518	=	1290	320	279	Yes
13:45 - 14:45	732	+	537	=	1269	245	271	Yes
12:45 - 13:45	637	+	555	=	1192	220	237	Yes
10:45 - 11:45	629	+	526	=	1155	179	218	Yes
17:45 - 18:45	511	+	469	=	980	203	228	Yes
18:45 - 19:45	453	+	402	=	855	152	148	Yes
09:45 - 10:45	445	+	405	=	850	154	198	Yes
08:45 - 09:45	412	+	396	=	808	177	219	Yes
07:45 - 08:45	353		419		772	161	255	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2644

Study Date : 08/31/2026

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.

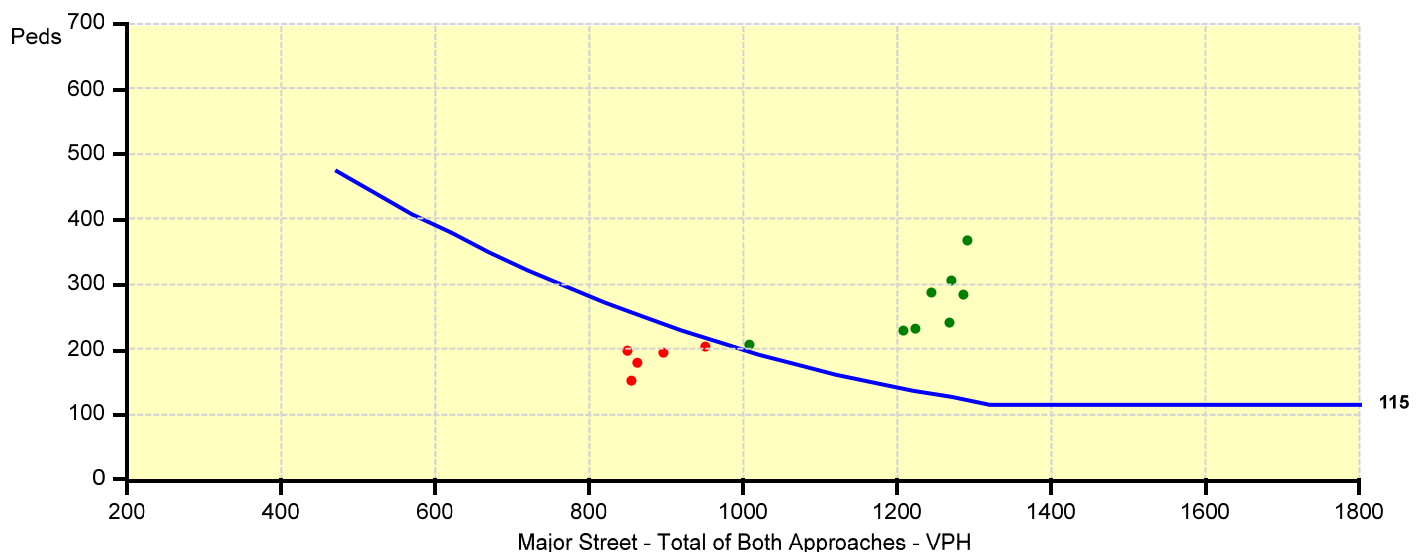
Summary

8 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Major Road CSAH 14						Minor Road 7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
15:15 - 16:15	721	+	569	=	1290	367	288	Yes
14:15 - 15:15	761	+	526	=	1287	269	284	Yes
16:15 - 17:15	771	+	498	=	1269	292	305	Yes
12:15 - 13:15	660	+	608	=	1268	227	239	Yes
17:15 - 18:15	675	+	569	=	1244	287	233	Yes
13:15 - 14:15	679	+	545	=	1224	229	232	Yes
11:15 - 12:15	665	+	543	=	1208	188	229	Yes
10:15 - 11:15	544	+	463	=	1007	182	206	Yes
10:00 - 11:00	507	+	444	=	951	169	202	No
18:15 - 19:15	464	+	433	=	897	163	195	No
18:30 - 19:30	455	+	407	=	862	154	178	No
18:45 - 19:45	453	+	402	=	855	152	148	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2644

Study Date : 08/31/2026

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

15 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Major Road CSAH 14						Minor Road 7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:30 - 17:30	810	+	544	=	1354	294	301	Yes
16:45 - 17:45	782	+	564	=	1346	319	276	Yes
17:00 - 18:00	723	+	600	=	1323	304	249	Yes
14:45 - 15:45	736	+	560	=	1296	338	290	Yes
15:45 - 16:45	772	+	518	=	1290	320	279	Yes
15:15 - 16:15	721	+	569	=	1290	367	288	Yes
14:15 - 15:15	761	+	526	=	1287	269	284	Yes
14:30 - 15:30	741	+	546	=	1287	282	288	Yes
14:00 - 15:00	765	+	520	=	1285	251	274	Yes
16:00 - 17:00	800	+	475	=	1275	309	301	Yes
15:00 - 16:00	683	+	590	=	1273	356	296	Yes
16:15 - 17:15	771	+	498	=	1269	292	305	Yes

