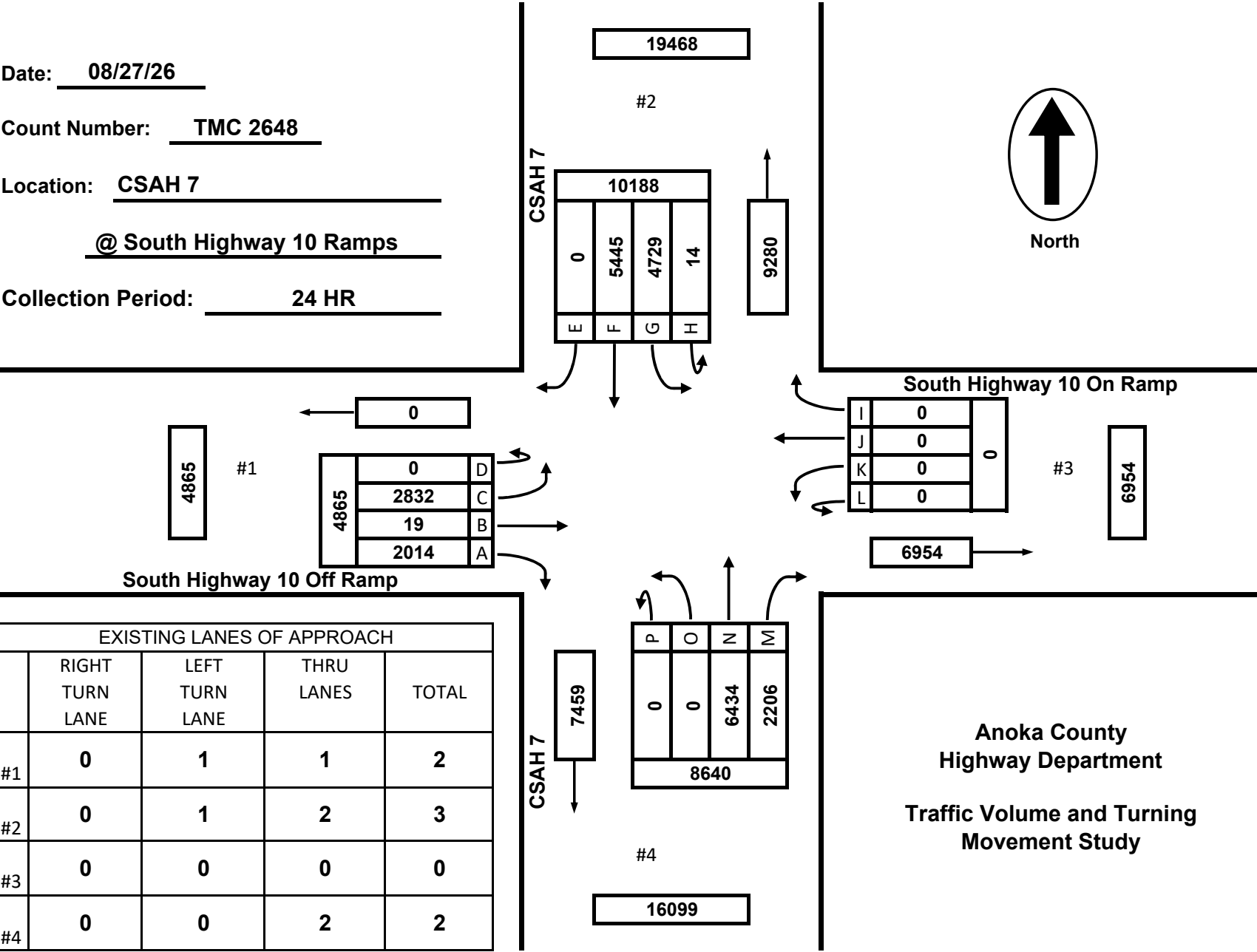


Date: 08/27/26

Count Number: TMC 2648

Location: CSAH 7
@ South Highway 10 Ramps

Collection Period: 24 HR



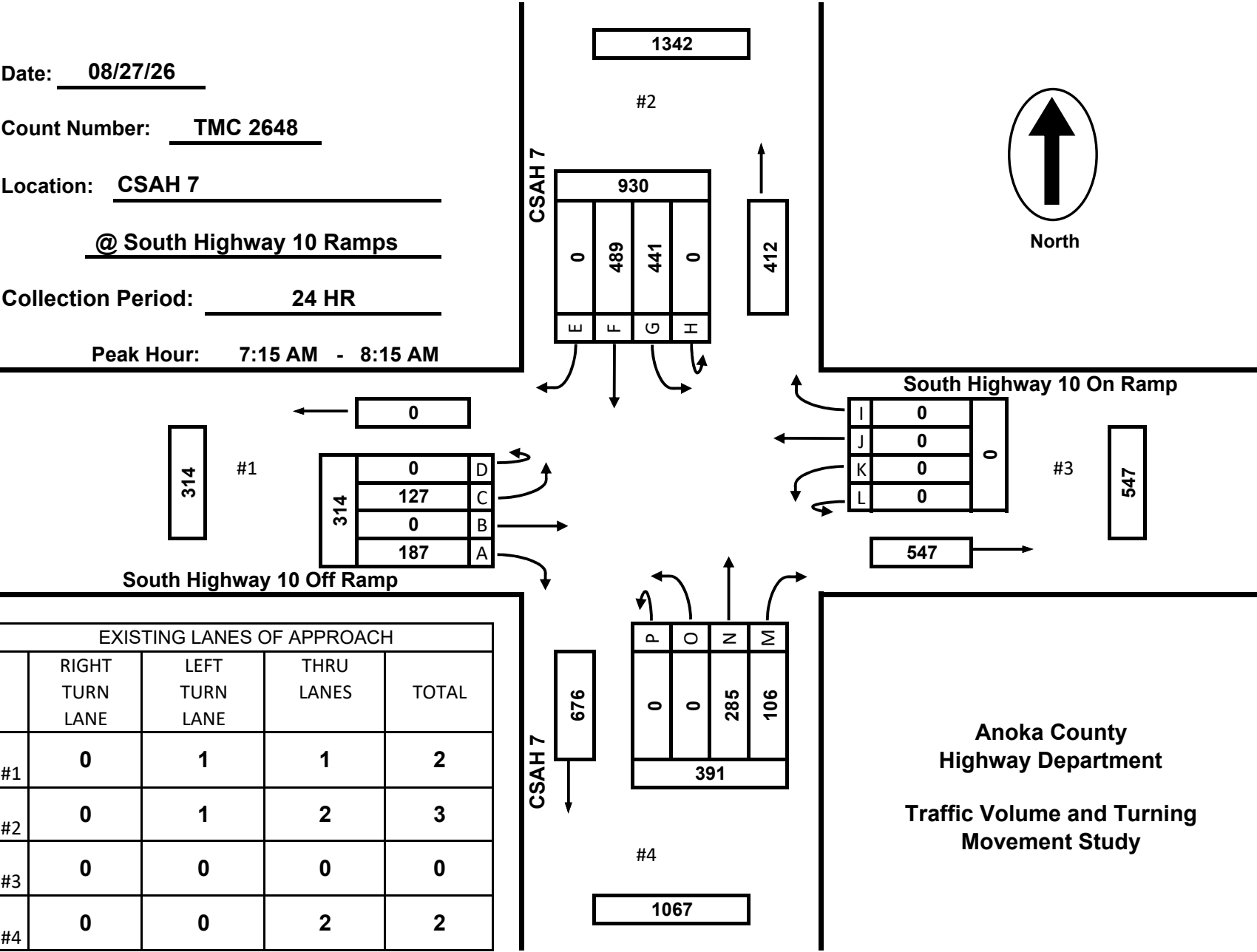
Date: 08/27/26

Count Number: TMC 2648

Location: CSAH 7
@ South Highway 10 Ramps

Collection Period: 24 HR

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



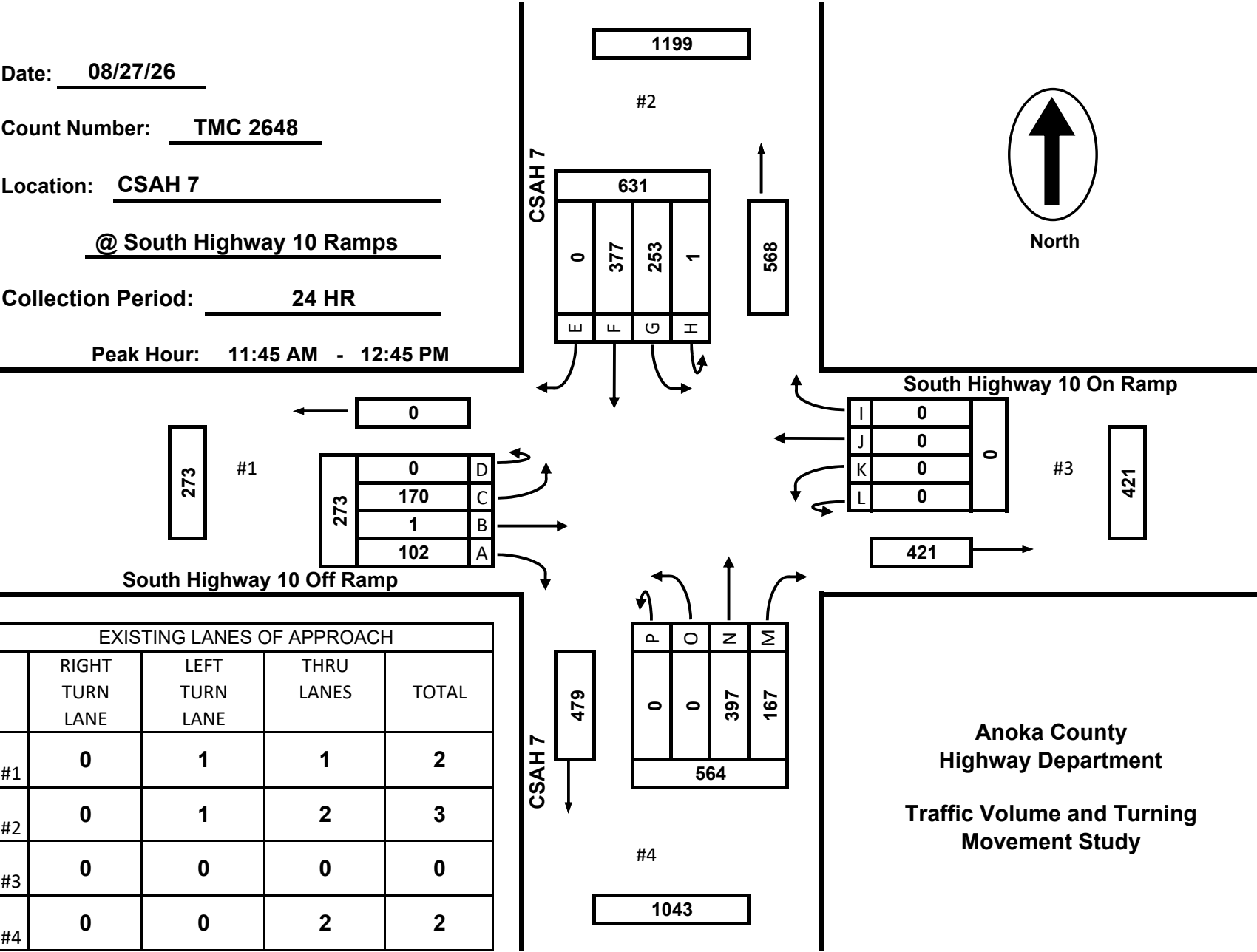
Date: 08/27/26

Count Number: TMC 2648

Location: CSAH 7
@ South Highway 10 Ramps

Collection Period: 24 HR

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



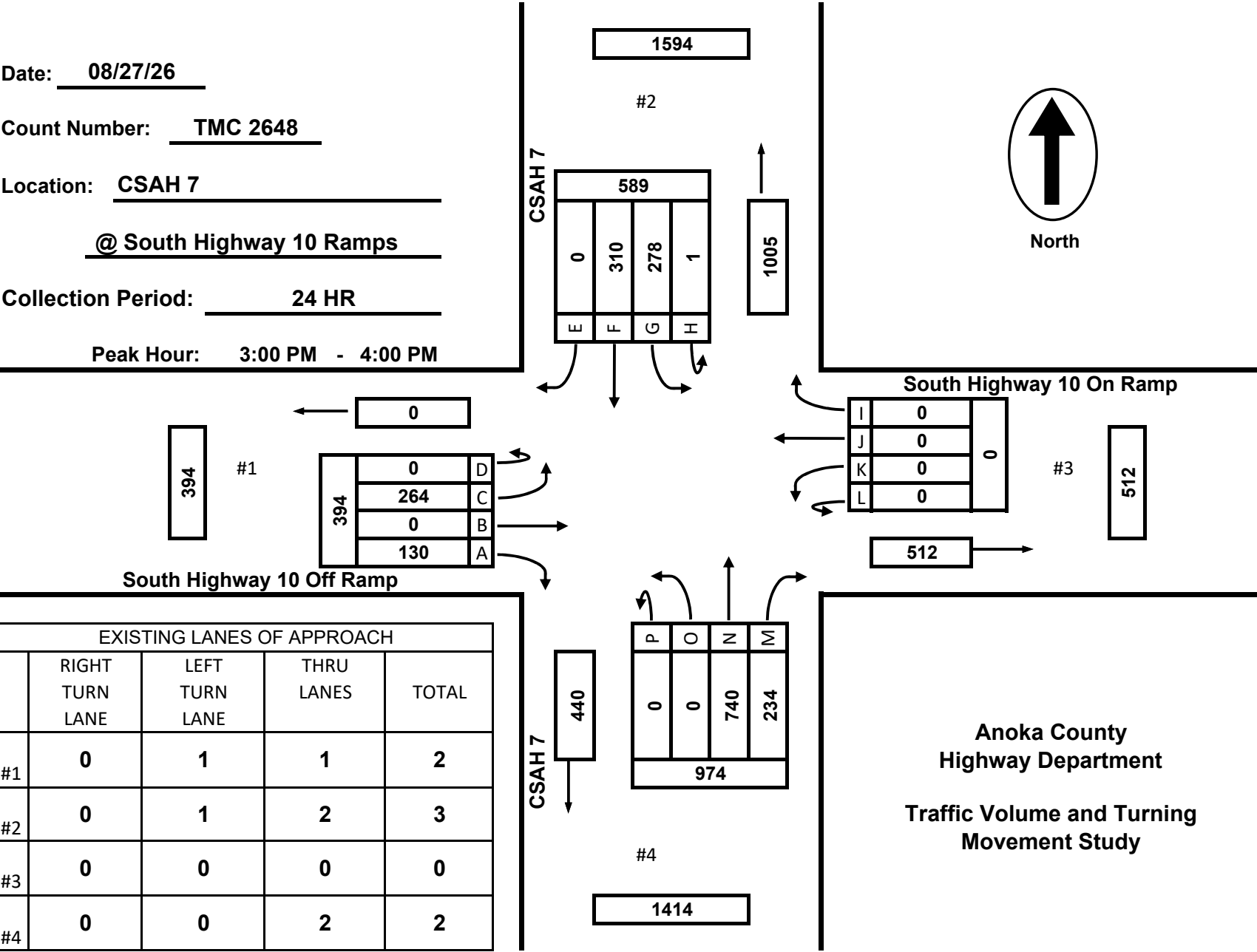
Date: 08/27/26

Count Number: TMC 2648

Location: CSAH 7
@ South Highway 10 Ramps

Collection Period: 24 HR

Peak Hour: 3:00 PM - 4:00 PM



TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 2026

Time	Southbound CSAH 7						Westbound South Highway 10 On Ramp						Northbound CSAH 7						Eastbound South Highway 10 Off Ramp						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	6	10	0	0	16	0	0	0	0	0	0	0	0	21	3	0	24	0	4	0	1	0	5	45
12:15 AM	0	4	6	0	0	10	0	0	0	0	0	0	0	0	9	2	0	11	0	4	0	2	3	6	27
12:30 AM	0	3	4	0	0	7	0	0	0	0	0	0	0	0	14	2	0	16	0	1	0	2	1	3	26
12:45 AM	0	2	7	0	0	9	0	0	0	0	0	0	0	0	13	3	0	16	0	2	0	0	0	2	27
Hourly Total	0	15	27	0	0	42	0	0	0	0	0	0	0	0	57	10	0	67	0	11	0	5	4	16	125
1:00 AM	0	4	8	0	0	12	0	0	0	0	0	0	0	0	14	7	0	21	0	6	0	0	0	6	39
1:15 AM	0	3	5	0	0	8	0	0	0	0	0	0	0	0	6	0	0	6	0	2	0	2	0	4	18
1:30 AM	0	2	4	0	0	6	0	0	0	0	0	0	0	0	7	2	0	9	0	2	0	0	0	2	17
1:45 AM	0	4	10	0	0	14	0	0	0	0	0	0	0	0	9	3	0	12	0	3	0	1	0	4	30
Hourly Total	0	13	27	0	0	40	0	0	0	0	0	0	0	0	36	12	0	48	0	13	0	3	0	16	104
2:00 AM	0	2	2	0	0	4	0	0	0	0	1	0	0	0	5	3	0	8	0	6	0	3	0	9	21
2:15 AM	0	8	4	0	0	12	0	0	0	0	0	0	0	0	9	3	0	12	0	2	0	4	0	6	30
2:30 AM	0	4	7	0	0	11	0	0	0	0	0	0	0	0	7	0	0	7	0	2	0	1	1	3	21
2:45 AM	0	8	9	0	0	17	0	0	0	0	0	0	0	0	6	1	0	7	0	4	0	2	1	6	30
Hourly Total	0	22	22	0	0	44	0	0	0	0	1	0	0	0	27	7	0	34	0	14	0	10	2	24	102
3:00 AM	0	6	4	0	0	10	0	0	0	0	0	0	0	0	10	2	0	12	0	5	0	0	1	5	27
3:15 AM	0	17	2	0	0	19	0	0	0	0	0	0	0	0	10	0	0	10	0	5	1	1	1	7	36
3:30 AM	0	10	9	0	0	19	0	0	0	0	0	0	0	0	9	1	0	10	0	4	0	8	0	12	41
3:45 AM	0	10	9	0	0	19	0	0	0	0	0	0	0	0	10	2	0	12	0	1	0	6	0	7	38
Hourly Total	0	43	24	0	0	67	0	0	0	0	0	0	0	0	39	5	0	44	0	15	1	15	2	31	142
4:00 AM	0	18	7	0	0	25	0	0	0	0	0	0	0	0	5	5	0	10	0	7	0	5	0	12	47
4:15 AM	0	31	21	0	0	52	0	0	0	0	0	0	0	0	4	4	0	8	0	10	0	4	0	14	74
4:30 AM	0	31	16	0	0	47	0	0	0	0	0	0	0	0	12	6	0	18	0	3	0	11	0	14	79
4:45 AM	0	41	22	0	0	63	0	0	0	0	0	0	0	0	15	6	0	21	0	5	0	13	0	18	102
Hourly Total	0	121	66	0	0	187	0	0	0	0	0	0	0	0	36	21	0	57	0	25	0	33	0	58	302
5:00 AM	0	64	22	0	0	86	0	0	0	0	0	0	0	0	10	7	0	17	0	8	0	8	1	16	119
5:15 AM	0	84	32	0	0	116	0	0	0	0	0	0	0	0	14	7	0	21	0	4	0	27	0	31	168
5:30 AM	0	78	41	0	0	119	0	0	0	0	2	0	0	0	31	17	0	48	0	10	0	27	0	37	204
5:45 AM	0	81	56	0	0	137	0	0	0	0	0	0	0	0	41	8	0	49	0	9	0	37	0	46	232
Hourly Total	0	307	151	0	0	458	0	0	0	0	2	0	0	0	96	39	0	135	0	31	0	99	1	130	723
6:00 AM	0	94	48	0	0	142	0	0	0	0	3	0	0	0	37	28	0	65	0	13	0	26	0	39	246
6:15 AM	0	131	71	0	0	202	0	0	0	0	0	0	0	0	40	25	0	65	0	10	0	33	0	43	310
6:30 AM	0	96	106	0	0	202	0	0	0	0	0	0	0	0	30	22	0	52	0	32	0	63	0	95	349
6:45 AM	0	123	123	0	0	246	0	0	0	0	0	0	0	0	48	19	0	67	0	49	0	71	0	120	433
Hourly Total	0	444	348	0	0	792	0	0	0	0	3	0	0	0	155	94	0	249	0	104	0	193	0	297	1338
7:00 AM	0	103	78	0	0	181	0	0	0	0	0	0	0	0	69	23	0	92	0	29	1	29	0	59	332
7:15 AM	0	141	96	0	0	237	0	0	0	0	0	0	0	0	79	29	0	108	0	20	0	33	4	53	398
7:30 AM	0	117	117	0	0	234	0	0	0	0	0	0	0	0	77	21	0	98	0	36	0	43	0	79	411
7:45 AM	0	103	163	0	0	266	0	0	0	0	1	0	0	0	76	31	1	107	0	45	0	70	0	115	488
Hourly Total	0	464	454	0	0	918	0	0	0	0	1	0	0	0	301	104	1	405	0	130	1	175	4	306	1629

TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 2026

Time	Southbound CSAH 7						Westbound South Highway 10 On Ramp						Northbound CSAH 7						Eastbound South Highway 10 Off Ramp						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	80	113	0	0	193	0	0	0	0	0	0	0	0	53	25	0	78	0	26	0	41	0	67	338
8:15 AM	0	97	107	0	0	204	0	0	0	0	0	0	0	0	70	17	0	87	0	32	0	33	0	65	356
8:30 AM	0	75	90	0	0	165	0	0	0	0	0	0	0	0	62	25	0	87	0	23	0	34	0	57	309
8:45 AM	0	69	94	0	0	163	0	0	0	0	0	0	0	0	66	25	0	91	0	28	0	45	0	73	327
Hourly Total	0	321	404	0	0	725	0	0	0	0	0	0	0	0	251	92	0	343	0	109	0	153	0	262	1330
9:00 AM	0	58	63	0	0	121	0	0	0	0	0	0	0	0	58	25	0	83	0	30	0	24	0	54	258
9:15 AM	0	84	60	0	0	144	0	0	0	0	0	0	0	0	71	24	0	95	0	27	0	33	0	60	299
9:30 AM	1	71	83	0	0	155	0	0	0	0	0	0	0	0	66	26	0	92	0	27	1	21	0	49	296
9:45 AM	0	57	90	0	0	147	0	0	0	0	0	0	0	0	63	29	0	92	0	30	0	32	0	62	301
Hourly Total	1	270	296	0	0	567	0	0	0	0	0	0	0	0	258	104	0	362	0	114	1	110	0	225	1154
10:00 AM	0	52	62	0	0	114	0	0	0	0	0	0	0	0	67	35	0	102	0	34	1	21	0	56	272
10:15 AM	0	79	78	0	0	157	0	0	0	0	0	0	0	0	60	34	0	94	0	28	0	22	1	50	301
10:30 AM	0	63	89	0	0	152	0	0	0	0	0	0	0	0	88	39	0	127	0	35	1	24	0	60	339
10:45 AM	0	39	89	0	0	128	0	0	0	0	0	0	0	0	82	39	0	121	0	31	1	22	0	54	303
Hourly Total	0	233	318	0	0	551	0	0	0	0	0	0	0	0	297	147	0	444	0	128	3	89	1	220	1215
11:00 AM	0	57	88	0	0	145	0	0	0	0	2	0	0	0	94	44	0	138	0	32	1	24	1	57	340
11:15 AM	0	55	82	0	0	137	0	0	0	0	1	0	0	0	79	27	0	106	0	30	1	20	1	51	294
11:30 AM	0	78	83	0	0	161	0	0	0	0	1	0	0	0	85	35	0	120	0	32	0	20	0	52	333
11:45 AM	0	57	88	0	0	145	0	0	0	0	1	0	0	0	79	48	0	127	0	46	0	24	0	70	342
Hourly Total	0	247	341	0	0	588	0	0	0	0	5	0	0	0	337	154	0	491	0	140	2	88	2	230	1309
12:00 PM	0	75	112	0	0	187	0	0	0	0	1	0	0	0	112	52	0	164	0	34	1	24	2	59	410
12:15 PM	0	59	94	0	0	153	0	0	0	0	0	0	0	0	105	25	0	130	0	46	0	29	1	75	358
12:30 PM	1	62	83	0	0	146	0	0	0	0	0	0	0	0	101	42	0	143	0	44	0	25	0	69	358
12:45 PM	0	58	88	0	0	146	0	0	0	0	0	0	0	0	87	34	0	121	0	37	0	24	0	61	328
Hourly Total	1	254	377	0	0	632	0	0	0	0	1	0	0	0	405	153	0	558	0	161	1	102	3	264	1454
1:00 PM	0	55	103	0	0	158	0	0	0	0	0	0	0	0	94	34	0	128	0	47	0	23	0	70	356
1:15 PM	1	59	85	0	0	145	0	0	0	0	0	0	0	0	81	42	0	123	0	56	1	16	2	73	341
1:30 PM	0	54	69	0	0	123	0	0	0	0	0	0	0	0	97	35	0	132	0	45	1	28	1	74	329
1:45 PM	0	55	78	0	0	133	0	0	0	0	0	0	0	0	106	42	0	148	0	32	0	35	0	67	348
Hourly Total	1	223	335	0	0	559	0	0	0	0	0	0	0	0	378	153	0	531	0	180	2	102	3	284	1374
2:00 PM	0	62	93	0	0	155	0	0	0	0	1	0	0	0	130	39	0	169	0	44	1	45	0	90	414
2:15 PM	1	58	92	0	0	151	0	0	0	0	0	0	0	0	104	26	0	130	0	46	1	45	0	92	373
2:30 PM	1	57	99	0	0	157	0	0	0	0	0	0	0	0	146	43	0	189	0	68	0	38	0	106	452
2:45 PM	0	40	96	0	0	136	0	0	0	0	0	0	0	0	148	42	0	190	0	69	0	36	0	105	431
Hourly Total	2	217	380	0	0	599	0	0	0	0	1	0	0	0	528	150	0	678	0	227	2	164	0	393	1670
3:00 PM	0	75	86	0	0	161	0	0	0	0	3	0	0	0	204	65	0	269	0	62	0	39	0	101	531
3:15 PM	0	64	71	0	0	135	0	0	0	0	1	0	0	0	159	60	0	219	0	68	0	27	0	95	449
3:30 PM	1	67	87	0	0	155	0	0	0	0	0	0	0	0	202	59	0	261	0	74	0	32	0	106	522
3:45 PM	0	72	66	0	0	138	0	0	0	0	0	0	0	0	175	50	0	225	0	60	0	32	1	92	455
Hourly Total	1	278	310	0	0	589	0	0	0	0	4	0	0	0	740	234	0	974	0	264	0	130	1	394	1957

TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 2026

Time	Southbound CSAH 7						Westbound South Highway 10 On Ramp						Northbound CSAH 7						Eastbound South Highway 10 Off Ramp						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	71	59	0	0	130	0	0	0	0	0	0	0	0	141	57	0	198	0	79	0	32	1	111	439
4:15 PM	0	71	77	0	0	148	0	0	0	0	0	0	0	0	213	44	0	257	0	59	1	40	0	100	505
4:30 PM	0	68	64	0	0	132	0	0	0	0	1	0	0	0	156	71	0	227	0	68	0	37	3	105	464
4:45 PM	0	66	90	0	0	156	0	0	0	0	1	0	0	0	172	50	0	222	0	52	1	34	0	87	465
Hourly Total	0	276	290	0	0	566	0	0	0	0	2	0	0	0	682	222	0	904	0	258	2	143	4	403	1873
5:00 PM	0	42	61	0	0	103	0	0	0	0	0	0	0	0	177	44	0	221	0	50	0	30	0	80	404
5:15 PM	1	77	71	0	0	149	0	0	0	0	1	0	0	0	142	44	0	186	0	78	0	41	0	119	454
5:30 PM	0	68	86	0	0	154	0	0	0	0	0	0	0	0	122	37	0	159	0	84	0	34	1	118	431
5:45 PM	1	46	73	0	0	120	0	0	0	0	1	0	0	0	129	34	0	163	0	49	0	23	0	72	355
Hourly Total	2	233	291	0	0	526	0	0	0	0	2	0	0	0	570	159	0	729	0	261	0	128	1	389	1644
6:00 PM	0	53	74	0	0	127	0	0	0	0	0	0	0	0	106	47	0	153	0	52	1	18	0	71	351
6:15 PM	0	38	94	0	0	132	0	0	0	0	0	0	0	0	128	24	0	152	0	48	0	25	1	73	357
6:30 PM	1	59	84	0	0	144	0	0	0	0	0	0	0	0	104	35	0	139	0	39	0	26	1	65	348
6:45 PM	2	59	74	0	0	135	0	0	0	0	1	0	0	0	76	27	0	103	0	32	1	22	1	55	293
Hourly Total	3	209	326	0	0	538	0	0	0	0	1	0	0	0	414	133	0	547	0	171	2	91	3	264	1349
7:00 PM	0	60	60	0	0	120	0	0	0	0	0	0	0	0	87	25	0	112	0	30	0	15	0	45	277
7:15 PM	0	43	45	0	0	88	0	0	0	0	1	0	0	0	68	16	0	84	0	45	0	9	0	54	226
7:30 PM	1	30	48	0	0	79	0	0	0	0	1	0	0	0	56	16	0	72	0	33	0	12	1	45	196
7:45 PM	0	35	56	0	0	91	0	0	0	0	1	0	0	0	74	14	0	88	0	35	0	11	0	46	225
Hourly Total	1	168	209	0	0	378	0	0	0	0	3	0	0	0	285	71	0	356	0	143	0	47	1	190	924
8:00 PM	0	47	45	0	0	92	0	0	0	0	1	0	0	0	61	10	0	71	0	39	0	15	1	54	217
8:15 PM	0	31	55	0	0	86	0	0	0	0	0	0	0	0	54	23	0	77	0	34	0	15	0	49	212
8:30 PM	0	27	40	0	0	67	0	0	0	0	1	0	0	0	61	14	1	75	0	26	0	14	0	40	182
8:45 PM	0	30	47	0	0	77	0	0	0	0	0	0	0	0	61	13	0	74	0	12	1	10	0	23	174
Hourly Total	0	135	187	0	0	322	0	0	0	0	2	0	0	0	237	60	1	297	0	111	1	54	1	166	785
9:00 PM	0	42	29	0	0	71	0	0	0	0	1	0	0	0	34	8	0	42	0	34	0	9	0	43	156
9:15 PM	0	17	32	0	0	49	0	0	0	0	0	0	0	0	40	16	0	56	0	26	0	8	0	34	139
9:30 PM	1	13	20	0	0	34	0	0	0	0	1	0	0	0	45	11	0	56	0	18	0	4	0	22	112
9:45 PM	0	15	25	0	0	40	0	0	0	0	2	0	0	0	28	1	0	29	0	15	0	8	0	23	92
Hourly Total	1	87	106	0	0	194	0	0	0	0	4	0	0	0	147	36	0	183	0	93	0	29	0	122	499
10:00 PM	0	28	28	0	0	56	0	0	0	0	0	0	0	0	15	15	0	30	0	21	1	14	2	36	122
10:15 PM	1	26	25	0	0	52	0	0	0	0	0	0	0	0	22	11	0	33	0	17	0	7	1	24	109
10:30 PM	0	22	32	0	0	54	0	0	0	0	0	0	0	0	13	0	0	13	0	18	0	7	0	25	92
10:45 PM	0	10	18	0	0	28	0	0	0	0	0	0	0	0	18	1	0	19	0	28	0	9	0	37	84
Hourly Total	1	86	103	0	0	190	0	0	0	0	0	0	0	0	68	27	0	95	0	84	1	37	3	122	407
11:00 PM	0	18	14	0	0	32	0	0	0	0	0	0	0	0	26	8	0	34	0	15	0	6	0	21	87
11:15 PM	0	19	12	0	0	31	0	0	0	0	0	0	0	0	20	7	0	27	0	11	0	0	1	11	69
11:30 PM	0	23	17	0	0	40	0	0	0	0	0	0	0	0	27	3	0	30	0	7	0	4	1	11	81
11:45 PM	0	3	10	0	0	13	0	0	0	0	0	0	0	0	17	1	0	18	0	12	0	4	0	16	47
Hourly Total	0	63	53	0	0	116	0	0	0	0	0	0	0	0	90	19	0	109	0	45	0	14	2	59	284
DAILY TOTAL	14	4729	5445	0	0	10188	0	0	0	0	32	0	0	0	6434	2206	2	8640	0	2832	19	2014	38	4865	23693
Cars	14	4606	5370	0	0	9990	0	0	0	0	10	0	0	0	6357	2177	2	8534	0	2718	19	1983	12	4720	23244
Heavy Vehicles	0	123	75	0	0	198	0	0	0	0	22	0	0	0	77	29	0	106	0	114	0	31	26	145	449
Heavy Vehicle %	0.00%	2.60%	1.38%	0.00%	0.00%	1.94%	0.00%	0.00%	0.00%	0.00%	68.75%	0.00%	0.00%	0.00%	1.20%	1.31%	0.00%	1.23%	0.00%	4.03%	0.00%	1.54%	68.42%	2.98%	1.90%

TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 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	141	96	0	0	237	0	0	0	0	0	0	0	0	79	29	0	108	0	20	0	33	4	53	398
7:30 AM	0	117	117	0	0	234	0	0	0	0	0	0	0	0	77	21	0	98	0	36	0	43	0	79	411
7:45 AM	0	103	163	0	0	266	0	0	0	0	1	0	0	0	76	31	1	107	0	45	0	70	0	115	488
8:00 AM	0	80	113	0	0	193	0	0	0	0	0	0	0	0	53	25	0	78	0	26	0	41	0	67	338
Peak Hour Total	0	441	489	0	0	930	0	0	0	0	1	0	0	0	285	106	1	391	0	127	0	187	4	314	1635
Peak Hour Heavy Vehicles	0	7	6	0	0	13	0	0	0	0	1	0	0	0	5	0	0	5	0	6	0	3	1	9	27
Peak Hour Heavy Vehicles % PHF	0.00%	1.59%	1.23%	0.00%	0.00%	1.40%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	1.75%	0.00%	0.00%	1.28%	0.00%	4.72%	0.00%	1.60%	25.00%	2.87%	1.65%
	0.000	0.782	0.750	0.000	0.000	0.874	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.902	0.855	0.250	0.905	0.000	0.706	0.000	0.668	0.250	0.683	0.838

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
11:45 AM	0	57	88	0	0	145	0	0	0	0	1	0	0	0	79	48	0	127	0	46	0	24	0	70	342
12:00 PM	0	75	112	0	0	187	0	0	0	0	1	0	0	0	112	52	0	164	0	34	1	24	2	59	410
12:15 PM	0	59	94	0	0	153	0	0	0	0	0	0	0	0	105	25	0	130	0	46	0	29	1	75	358
12:30 PM	1	62	83	0	0	146	0	0	0	0	0	0	0	0	101	42	0	143	0	44	0	25	0	69	358
Peak Hour Total	1	253	377	0	0	631	0	0	0	0	2	0	0	0	397	167	0	564	0	170	1	102	3	273	1468
Peak Hour Heavy Vehicles	0	14	8	0	0	22	0	0	0	0	2	0	0	0	5	4	0	9	0	9	0	3	2	12	43
Peak Hour Heavy Vehicles % PHF	0.00%	5.53%	2.12%	0.00%	0.00%	3.49%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	1.26%	2.40%	0.00%	1.60%	0.00%	5.29%	0.00%	2.94%	66.67%	4.40%	2.93%
	0.250	0.843	0.842	0.000	0.000	0.844	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.886	0.803	0.000	0.860	0.000	0.924	0.250	0.879	0.375	0.910	0.895

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	
3:00 PM	0	75	86	0	0	161	0	0	0	0	3	0	0	0	204	65	0	269	0	62	0	39	0	101	531
3:15 PM	0	64	71	0	0	135	0	0	0	0	1	0	0	0	159	60	0	219	0	68	0	27	0	95	449
3:30 PM	1	67	87	0	0	155	0	0	0	0	0	0	0	0	202	59	0	261	0	74	0	32	0	106	522
3:45 PM	0	72	66	0	0	138	0	0	0	0	0	0	0	0	175	50	0	225	0	60	0	32	1	92	455
Peak Hour Total	1	278	310	0	0	589	0	0	0	0	4	0	0	0	740	234	0	974	0	264	0	130	1	394	1957
Peak Hour Heavy Vehicles	0	14	4	0	0	18	0	0	0	0	1	0	0	0	7	2	0	9	0	6	0	1	1	7	34
Peak Hour Heavy Vehicles % PHF	0.00%	5.04%	1.29%	0.00%	0.00%	3.06%	0.00%	0.00%	0.00%	0.00%	25.00%	0.00%	0.00%	0.00%	0.95%	0.85%	0.00%	0.92%	0.00%	2.27%	0.00%	0.77%	100.00%	1.78%	1.74%
	0.250	0.927	0.891	0.000	0.000	0.915	0.000	0.000	0.000	0.000	0.333	0.000	0.000	0.000	0.907	0.900	0.000	0.905	0.000	0.892	0.000	0.833	0.250	0.929	0.921

Total Vehicles On Leg			19468		
Vehicles Entering Intersection 10188			Vehicles Exiting Intersection 9280		
Southbound					
Cars	0	5370	4606	14	0
Heavy	0	75	123	0	0
Total	0	5445	4729	14	0



Total Vehicles on Leg	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total	
4865	4865		12	26	38	
			0	0	0	
	Vehicles Exiting Intersection		2718	114	2832	
	0		19	0	19	
			1983	31	2014	

Daily Volumes

Cars	2	0	0	6357	2177
Heavy	0	0	0	77	29
Total	2	0	0	6434	2206
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
8640			7459		
Total Vehicles On Leg			16099		

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 6954
0	0	0		0	
0	0	0			
0	0	0		Vehicles Exiting Intersection	
0	0	0		6954	
10	22	32			

TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 2026

Time	Southbound Heavy CSAH 7						Westbound Heavy South Highway 10 On Ramp						Northbound Heavy CSAH 7						Eastbound Heavy South Highway 10 Off Ramp						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	2	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	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	2	0	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1:30 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
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	2
Hourly 'Heavy Vehicles'	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	4
2:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	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	1	0	0
2:45 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	2
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0	2	1	3
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	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	1	0	0	0	1	1
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	1	1	0	4
4:00 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
4:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	5
4:30 AM	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3
4:45 AM	0	2	1	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	3	3	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	6	12
5:00 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	1	1	0	2	0	1	0	0	0	1	6
5:15 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
5:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	0	4	0	1	0	0	0	1	5
5:45 AM	0	3	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5
Hourly 'Heavy Vehicles'	0	7	2	0	0	9	0	0	0	0	2	0	0	0	6	1	0	7	0	2	0	1	0	3	19
6:00 AM	0	2	2	0	0	4	0	0	0	0	2	0	0	0	0	1	0	1	0	1	0	0	0	1	6
6:15 AM	0	3	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	5
6:30 AM	0	4	4	0	0	8	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	2	11
6:45 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	2	0	0	0	2	8
Hourly 'Heavy Vehicles'	0	11	7	0	0	18	0	0	0	0	2	0	0	0	4	2	0	6	0	4	0	2	0	6	30
7:00 AM	0	4	1	0	0	5	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	1	0	3	9
7:15 AM	0	4	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	1	6
7:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	3	0	4	8
7:45 AM	0	2	2	0	0	4	0	0	0	0	1	0	0	0	1	0	0	1	0	3	0	0	0	3	8
Hourly 'Heavy Vehicles'	0	10	5	0	0	15	0	0	0	0	1	0	0	0	4	1	0	5	0	7	0	4	1	11	31

TMC 2648 - CSAH 7 @ South Highway 10 Ramps Anoka MN Thursday, August 27, 2026																										
Time	Southbound Heavy CSAH 7						Westbound Heavy South Highway 10 On Ramp						Northbound Heavy CSAH 7						Eastbound Heavy South Highway 10 Off Ramp						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	2	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	5	
8:15 AM	0	1	1	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	3	0	5	0	1	0	6	11
8:30 AM	0	4	2	0	0	6	0	0	0	0	0	0	0	0	4	0	0	0	4	0	2	0	2	0	4	14
8:45 AM	0	3	1	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	2	0	4	10
Hourly 'Heavy Vehicles'	0	9	6	0	0	15	0	0	0	0	0	0	0	0	10	0	0	0	10	0	10	0	5	0	15	40
9:00 AM	0	1	3	0	0	4	0	0	0	0	0	0	0	0	2	2	0	4	4	2	0	0	0	0	2	10
9:15 AM	0	3	1	0	0	4	0	0	0	0	0	0	0	0	3	1	0	4	4	0	3	0	1	0	4	12
9:30 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	2	1	0	3	3	0	1	0	1	0	2	7
9:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	1	0	2	4
Hourly 'Heavy Vehicles'	0	6	5	0	0	11	0	0	0	0	0	0	0	0	8	4	0	12	12	0	7	0	3	0	10	33
10:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	8	0	1	0	9	11
10:15 AM	0	1	1	0	0	2	0	0	0	0	0	0	0	0	3	1	0	4	4	0	1	0	1	0	2	8
10:30 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	3	0	5	0	1	0	6	12
10:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	1	0	4	4	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	3	5	0	0	8	0	0	0	0	0	0	0	0	10	2	0	12	12	0	14	0	3	0	17	37
11:00 AM	0	2	2	0	0	4	0	0	0	0	0	0	0	0	1	1	0	2	2	0	3	0	0	0	3	9
11:15 AM	0	5	1	0	0	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	1	3	9
11:30 AM	0	4	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	2	0	1	0	1	0	2	8
11:45 AM	0	5	1	0	0	6	0	0	0	0	1	0	0	0	0	2	0	2	2	0	6	0	1	0	7	15
Hourly 'Heavy Vehicles'	0	16	4	0	0	20	0	0	0	0	2	0	0	0	3	3	0	6	6	0	13	0	2	1	15	41
12:00 PM	0	5	1	0	0	6	0	0	0	0	1	0	0	0	2	0	0	2	2	0	2	0	0	2	2	10
12:15 PM	0	4	5	0	0	9	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	2	0	2	13
12:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1	0	3	3	0	1	0	0	0	1	5
12:45 PM	0	2	3	0	0	5	0	0	0	0	0	0	0	0	1	1	0	2	2	0	4	0	0	0	4	11
Hourly 'Heavy Vehicles'	0	11	10	0	0	21	0	0	0	0	1	0	0	0	6	3	0	9	9	0	7	0	2	2	9	39
1:00 PM	0	3	1	0	0	4	0	0	0	0	0	0	0	0	3	0	0	3	3	0	2	0	1	0	3	10
1:15 PM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	1	1	0	2	2	0	1	0	0	1	1	6
1:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	3	0	0	0	0	0	0	4
1:45 PM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	1	2	0	3	3	0	1	0	1	0	2	8
Hourly 'Heavy Vehicles'	0	6	5	0	0	11	0	0	0	0	0	0	0	0	8	3	0	11	11	0	4	0	2	1	6	28
2:00 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	3	4
2:15 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	4
2:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	6
2:45 PM	0	3	2	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	1	7
Hourly 'Heavy Vehicles'	0	6	4	0	0	10	0	0	0	0	1	0	0	0	1	0	0	1	1	0	9	0	1	0	10	21
3:00 PM	0	6	0	0	0	6	0	0	0	0	1	0	0	0	1	1	0	2	2	0	1	0	1	0	2	10
3:15 PM	0	6	2	0	0	8	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0	0	0	0	0	10
3:30 PM	0	2	2	0	0	4	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	6
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4	0	4	0	0	1	4	8
Hourly 'Heavy Vehicles'	0	14	4	0	0	18	0	0	0	0	1	0	0	0	7	2	0	9	9	0	6	0	1	1	7	34

TMC 2648 - CSAH 7 @ South Highway 10 Ramps
Anoka MN
Thursday, August 27, 2026

Time	Southbound Heavy CSAH 7						Westbound Heavy South Highway 10 On Ramp						Northbound Heavy CSAH 7						Eastbound Heavy South Highway 10 Off Ramp						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	3	2	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	5	0	0	1	5	11
4:15 PM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	0	1	6
4:30 PM	0	3	1	0	0	4	0	0	0	0	1	0	0	0	1	2	0	3	0	4	0	0	3	4	11
4:45 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	1	0	2	0	3	0	1	0	4	7
Hourly 'Heavy Vehicles'	0	8	5	0	0	13	0	0	0	0	2	0	0	0	5	3	0	8	0	13	0	1	4	14	35
5:00 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
5:15 PM	0	3	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
5:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	2	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	3	1	0	0	4	0	0	0	0	2	0	0	0	0	1	0	1	0	2	0	0	1	2	7
6:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
6:45 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Hourly 'Heavy Vehicles'	0	1	1	0	0	2	0	0	0	0	1	0	0	0	0	1	0	1	0	2	0	0	3	2	5
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	2
7:15 PM	0	2	1	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
7:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7:45 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
Hourly 'Heavy Vehicles'	0	2	1	0	0	3	0	0	0	0	3	0	0	0	1	0	0	1	0	0	1	0	0	1	5
8:00 PM	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	1	2	3
8:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 PM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	2	6
8:45 PM	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
Hourly 'Heavy Vehicles'	0	2	3	0	0	5	0	0	0	0	1	0	0	0	1	0	0	1	0	3	0	1	1	4	10
9:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	2
9:30 PM	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9:45 PM	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
Hourly 'Heavy Vehicles'	0	2	1	0	0	3	0	0	0	0	2	0	0	0	1	1	0	2	0	1	0	0	0	1	6
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	1
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	1	0	0
10:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	3	1	2
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	1	0	0
11:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11:45 PM	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
Hourly 'Heavy Vehicles'	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
DAILY 'Heavy Vehicles'	0	123	75	0	0	198	0	0	0	0	22	0	0	0	77	29	0	106	0	114	0	31	26	145	449

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2648

Study Date : 09/01/2026

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 7

Number of Lanes : 2+

Total Approach Volume: 8,640

Southbound: CSAH 7

Number of Lanes :2+

Total Approach Volume: 10,188

Minor Street Approaches

Eastbound: South Highway 10 Off Ramp

Number of Lanes :1

Total Approach Volume: 2,851

Westbound: South Highway 10 On Ramp

Number of Lanes :1

Total Approach Volume: 0

Warrant Summary (Urban Values Apply)

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

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

Required volumes reached for 16 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 (11) 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 2648

Study Date : 09/01/2026

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

16 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 = **1**

Volume Requirements

Veh/Hr Major = **360**

Veh/Hr Minor = **90**

Major Road CSAH 7						Minor Road South Highway 10 Off Ramp		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:00 - 16:00	974	+	589	=	1563	264	0	Yes
16:00 - 17:00	904	+	566	=	1470	260	0	Yes
07:00 - 08:00	405	+	918	=	1323	131	0	Yes
14:00 - 15:00	678	+	599	=	1277	229	0	Yes
17:00 - 18:00	729	+	526	=	1255	261	0	Yes
12:00 - 13:00	558	+	632	=	1190	162	0	Yes
13:00 - 14:00	531	+	559	=	1090	182	0	Yes
18:00 - 19:00	547	+	538	=	1085	173	0	Yes
11:00 - 12:00	491	+	588	=	1079	142	0	Yes
08:00 - 09:00	343	+	725	=	1068	109	0	Yes
06:00 - 07:00	249	+	792	=	1041	104	0	Yes
10:00 - 11:00	444	+	551	=	995	131	0	Yes
09:00 - 10:00	362	+	567	=	929	115	0	Yes
19:00 - 20:00	356	+	378	=	734	143	0	Yes
20:00 - 21:00	297	+	322	=	619	112	0	Yes
21:00 - 22:00	183	+	194	=	377	93	0	Yes
05:45 - 06:45	231	+	683	=	914	64	0	No
05:30 - 06:30	227	+	600	=	827	42	0	No
05:15 - 06:15	183	+	514	=	697	36	0	No
05:00 - 06:00	135	+	458	=	593	31	0	No
04:45 - 05:45	107	+	384	=	491	27	0	No
04:30 - 05:30	77	+	312	=	389	20	0	No
04:15 - 05:15	64	+	248	=	312	26	0	No
22:00 - 23:00	95	+	190	=	285	85	0	No
22:15 - 23:15	99		166		265	78	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2648

Study Date : 09/01/2026

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 = **1**

Volume Requirements

Veh/Hr Major = **540**

Veh/Hr Minor = **45**

Major Road CSAH 7						Minor Road South Highway 10 Off Ramp		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
14:45 - 15:45	939	+	587	=	1526	273	0	Yes
15:45 - 16:45	907	+	548	=	1455	267	0	Yes
16:45 - 17:45	788	+	562	=	1350	265	0	Yes
06:45 - 07:45	365	+	898	=	1263	135	0	Yes
13:45 - 14:45	636	+	596	=	1232	192	0	Yes
11:45 - 12:45	564	+	631	=	1195	171	0	Yes
07:45 - 08:45	359	+	828	=	1187	126	0	Yes
17:45 - 18:45	607	+	523	=	1130	189	0	Yes
12:45 - 13:45	504	+	572	=	1076	187	0	Yes
10:45 - 11:45	485	+	571	=	1056	128	0	Yes
09:45 - 10:45	415	+	570	=	985	129	0	Yes
08:45 - 09:45	361	+	583	=	944	113	0	Yes
05:45 - 06:45	231	+	683	=	914	64	0	Yes
18:45 - 19:45	371	+	422	=	793	141	0	Yes
19:45 - 20:45	311	+	336	=	647	134	0	Yes
05:30 - 06:30	227	+	600	=	827	42	0	No
05:15 - 06:15	183	+	514	=	697	36	0	No
05:00 - 06:00	135	+	458	=	593	31	0	No
04:45 - 05:45	107	+	384	=	491	27	0	No
20:45 - 21:45	228	+	231	=	459	91	0	No
04:30 - 05:30	77	+	312	=	389	20	0	No
21:00 - 22:00	183	+	194	=	377	93	0	No
21:15 - 22:15	171	+	179	=	350	81	0	No
21:30 - 22:30	148	+	182	=	330	72	0	No
04:15 - 05:15	64		248		312	26	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2648

Study Date : 09/01/2026

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 = **1**

Volume Requirements

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

Veh/Hr Minor = **72 36**

Major Road					Minor Road					
CSAH 7					South Highway 10 Off Ramp					
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?		
15:00 - 16:00	974	+	589	=	1563	264	0	Yes		
16:00 - 17:00	904	+	566	=	1470	260	0	Yes		
07:00 - 08:00	405	+	918	=	1323	131	0	Yes		
14:00 - 15:00	678	+	599	=	1277	229	0	Yes		
17:00 - 18:00	729	+	526	=	1255	261	0	Yes		
12:00 - 13:00	558	+	632	=	1190	162	0	Yes		
13:00 - 14:00	531	+	559	=	1090	182	0	Yes		
18:00 - 19:00	547	+	538	=	1085	173	0	Yes		
11:00 - 12:00	491	+	588	=	1079	142	0	Yes		
08:00 - 09:00	343	+	725	=	1068	109	0	Yes		
06:00 - 07:00	249	+	792	=	1041	104	0	Yes		
10:00 - 11:00	444		551		995	131	0	Yes		

Time	Major NB	+	Major SB	=	Total	Minor EB		Minor WB		Met1B?
16:15 - 17:15	927	+	539	=	1466	231		0		Yes
15:15 - 16:15	903	+	558	=	1461	281		0		Yes
14:15 - 15:15	778	+	605	=	1383	246		0		Yes
07:15 - 08:15	391	+	930	=	1321	127		0		Yes
17:15 - 18:15	661	+	550	=	1211	264		0		Yes
11:15 - 12:15	517	+	630	=	1147	144		0		Yes
13:15 - 14:15	572	+	556	=	1128	180		0		Yes
12:15 - 13:15	522	+	603	=	1125	174		0		Yes
06:15 - 07:15	276	+	831	=	1107	121		0		Yes
10:15 - 11:15	480	+	582	=	1062	129		0		Yes
18:15 - 19:15	506	+	531	=	1037	150		0		Yes
08:15 - 09:15	348		653		1001	113		0		Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2648

Study Date : 09/01/2026

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.

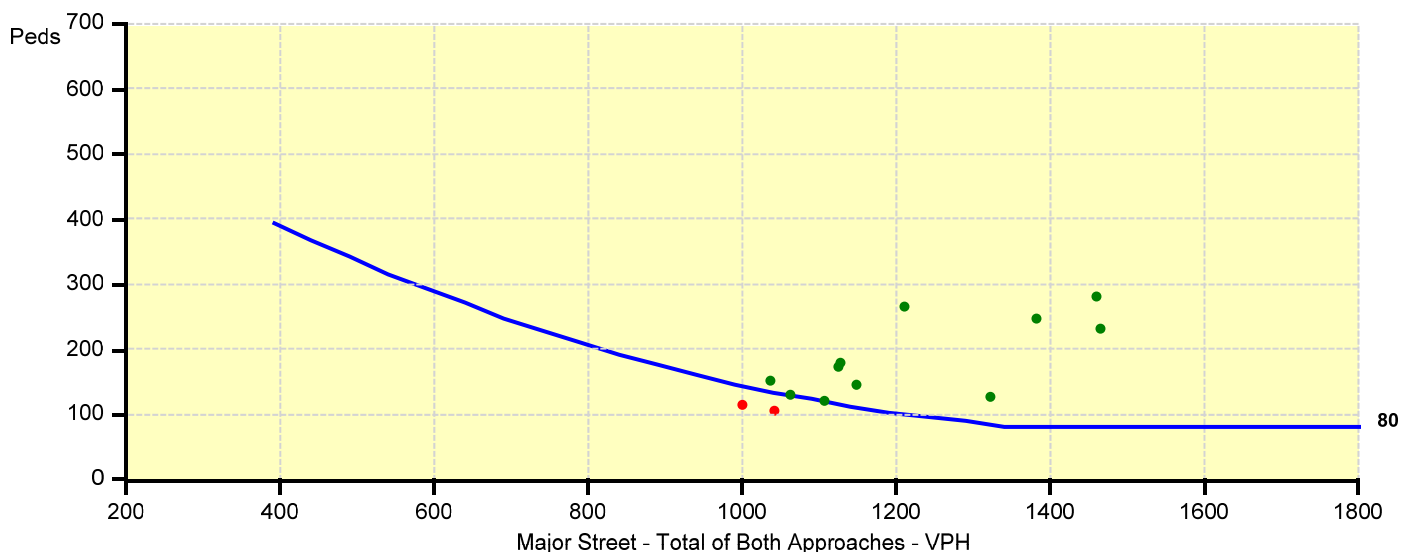
Summary

11 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 = **1**

Major Road CSAH 7						Minor Road South Highway 10 Off Ramp		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
16:15 - 17:15	927	+	539	=	1466	231	0	Yes
15:15 - 16:15	903	+	558	=	1461	281	0	Yes
14:15 - 15:15	778	+	605	=	1383	246	0	Yes
07:15 - 08:15	391	+	930	=	1321	127	0	Yes
17:15 - 18:15	661	+	550	=	1211	264	0	Yes
11:15 - 12:15	517	+	630	=	1147	144	0	Yes
13:15 - 14:15	572	+	556	=	1128	180	0	Yes
12:15 - 13:15	522	+	603	=	1125	174	0	Yes
06:15 - 07:15	276	+	831	=	1107	121	0	Yes
10:15 - 11:15	480	+	582	=	1062	129	0	Yes
18:15 - 19:15	506	+	531	=	1037	150	0	Yes
06:00 - 07:00	249		792		1041	104	0	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2648

Study Date : 09/01/2026

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 = **1**

Major Road CSAH 7						Minor Road South Highway 10 Off Ramp		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:00 - 16:00	974	+	589	=	1563	264	0	Yes
14:45 - 15:45	939	+	587	=	1526	273	0	Yes
15:30 - 16:30	941	+	571	=	1512	273	0	Yes
16:00 - 17:00	904	+	566	=	1470	260	0	Yes
16:15 - 17:15	927	+	539	=	1466	231	0	Yes
15:15 - 16:15	903	+	558	=	1461	281	0	Yes
14:30 - 15:30	867	+	589	=	1456	267	0	Yes
15:45 - 16:45	907	+	548	=	1455	267	0	Yes
16:30 - 17:30	856	+	540	=	1396	249	0	Yes
14:15 - 15:15	778	+	605	=	1383	246	0	Yes
16:45 - 17:45	788	+	562	=	1350	265	0	Yes
14:00 - 15:00	678	+	599	=	1277	229	0	Yes

