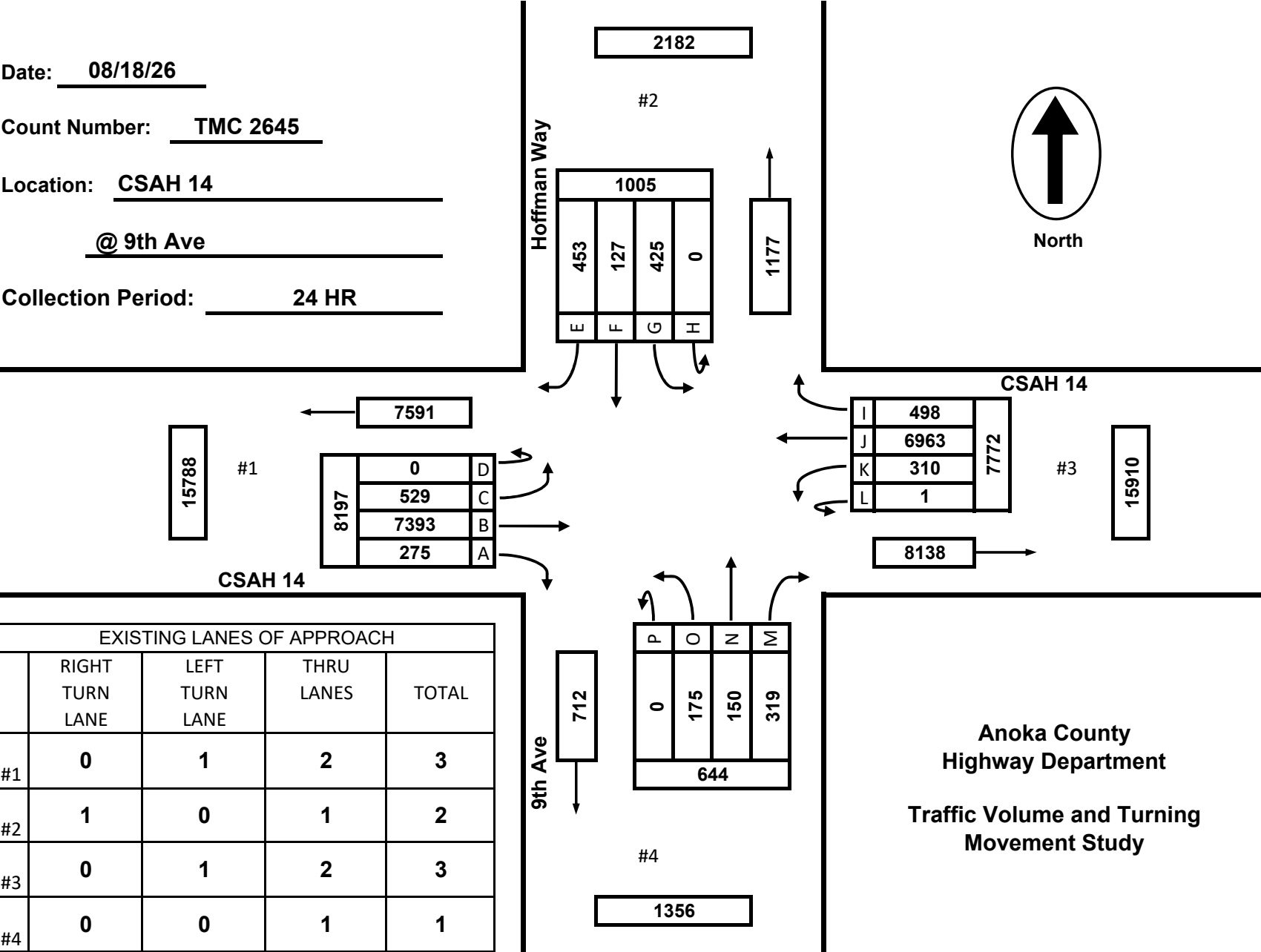
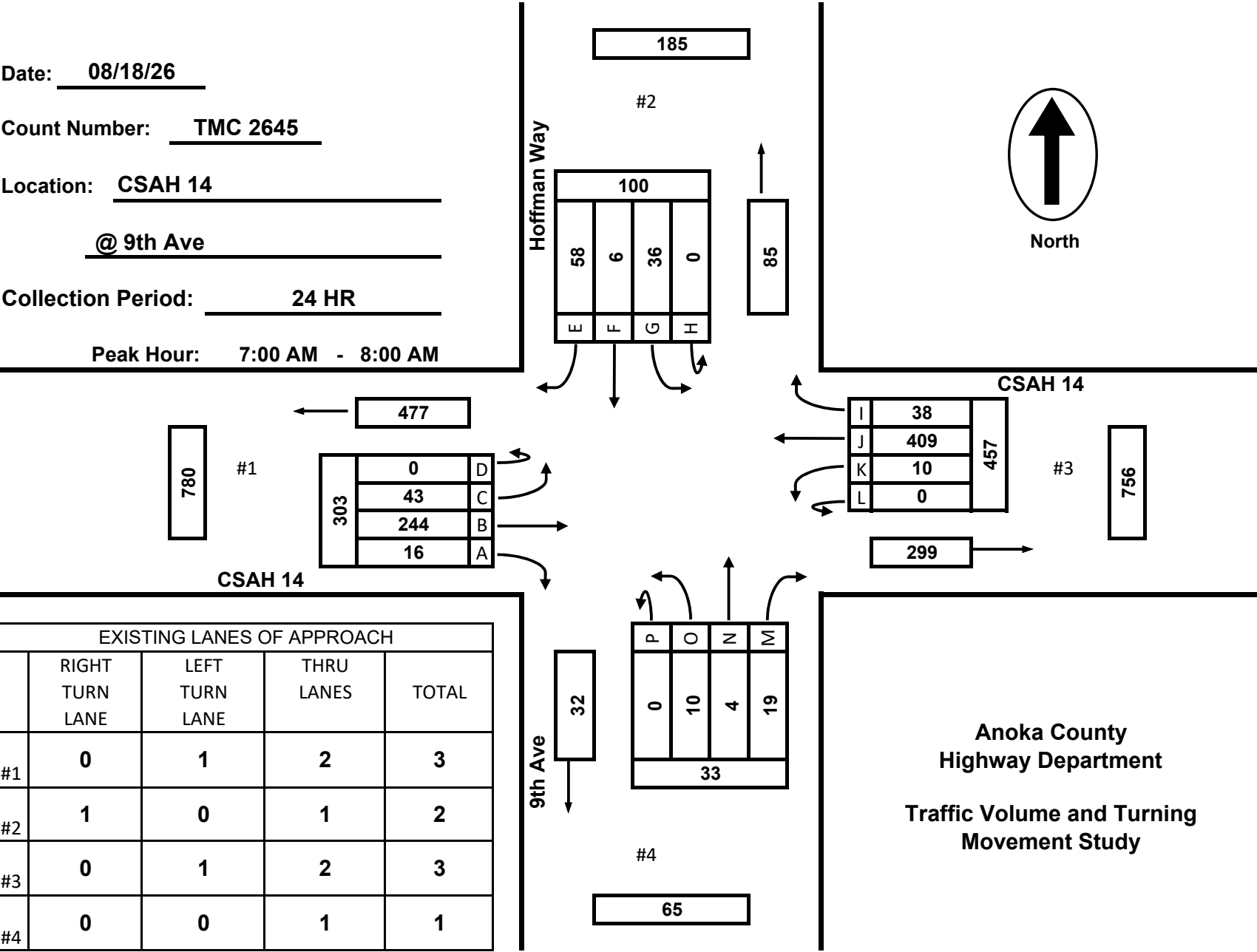


Date: 08/18/26
Count Number: TMC 2645
Location: CSAH 14 @ 9th Ave
Collection Period: 24 HR



Date: 08/18/26
 Count Number: TMC 2645
 Location: CSAH 14
@ 9th Ave
 Collection Period: 24 HR
 Peak Hour: 7:00 AM - 8:00 AM



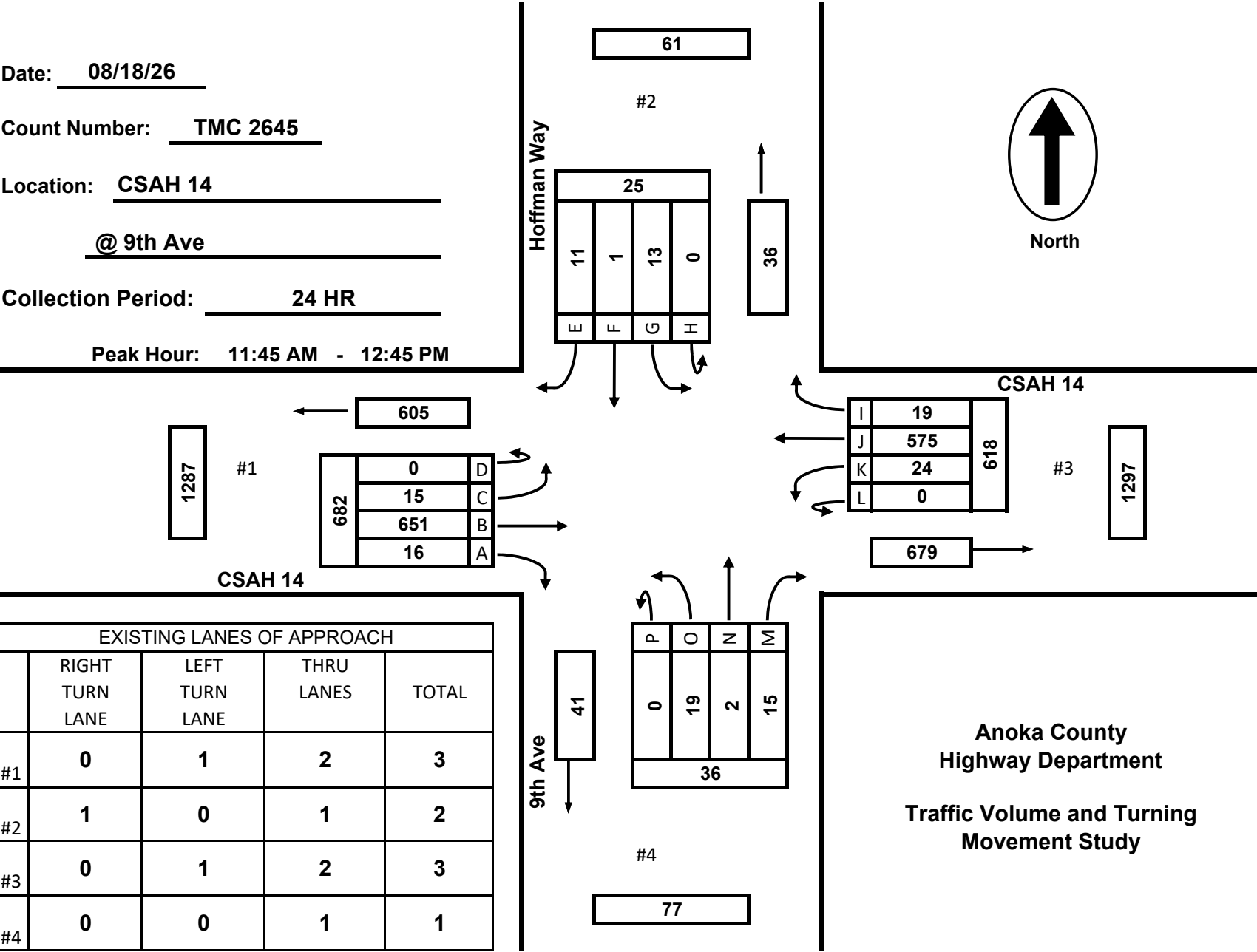
Date: 08/18/26

Count Number: TMC 2645

Location: CSAH 14
@ 9th Ave

Collection Period: 24 HR

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



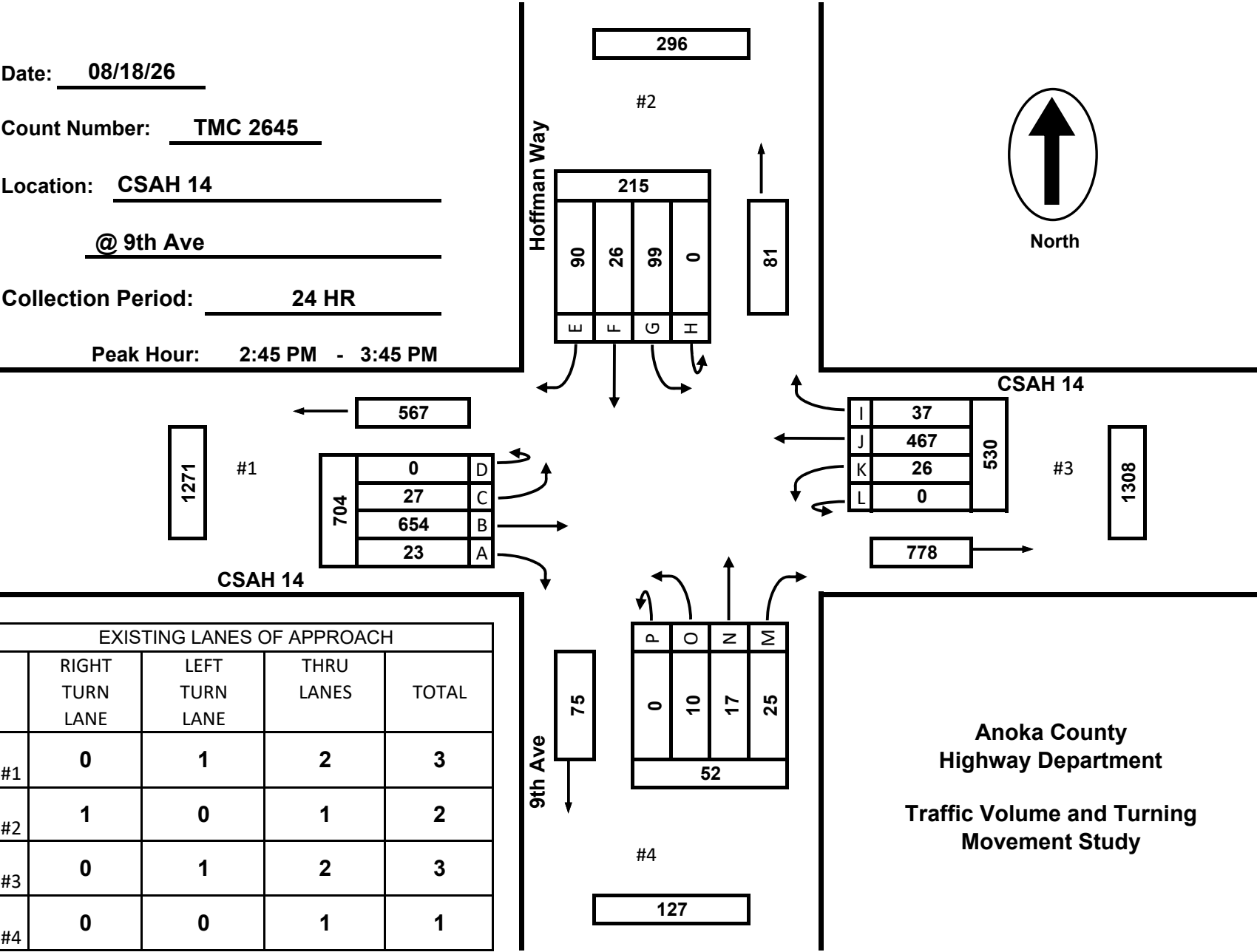
Date: 08/18/26

Count Number: TMC 2645

Location: CSAH 14
@ 9th Ave

Collection Period: 24 HR

Peak Hour: 2:45 PM - 3:45 PM



**TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026**

Time	Southbound Hoffman Way						Westbound CSAH 14						Northbound 9th 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	2	1	2	0	5	0	0	7	1	0	8	0	0	1	0	0	1	0	0	10	0	0	10	24
12:15 AM	0	2	1	1	0	4	0	1	16	1	0	18	0	0	0	1	1	1	0	3	5	2	0	10	33
12:30 AM	0	23	5	3	0	31	0	1	6	1	0	8	0	1	0	0	0	1	0	2	6	0	0	8	48
12:45 AM	0	10	6	8	0	24	0	0	5	1	0	6	0	0	1	1	0	2	0	2	10	0	0	12	44
Hourly Total	0	37	13	14	0	64	0	2	34	4	0	40	0	1	2	2	1	5	0	7	31	2	0	40	149
1:00 AM	0	4	3	0	0	7	0	1	2	0	0	3	0	0	0	0	0	0	0	1	4	0	0	5	15
1:15 AM	0	4	3	3	0	10	0	0	0	0	0	0	0	0	0	1	0	1	0	0	7	0	0	7	18
1:30 AM	0	5	9	10	0	24	0	0	3	1	0	4	0	0	0	0	0	0	0	0	8	1	0	9	37
1:45 AM	0	1	0	2	0	3	0	0	5	1	0	6	0	0	0	0	0	0	0	0	3	0	0	3	12
Hourly Total	0	14	15	15	0	44	0	1	10	2	0	13	0	0	0	1	0	1	0	1	22	1	0	24	82
2:00 AM	0	2	0	1	0	3	0	0	3	0	0	3	0	0	0	0	0	0	0	1	6	0	0	7	13
2:15 AM	0	1	0	1	0	2	0	0	2	0	0	2	0	0	1	0	0	1	0	2	4	0	0	6	11
2:30 AM	0	2	0	5	0	7	0	1	2	2	0	5	0	0	0	0	0	0	0	1	5	0	0	6	18
2:45 AM	0	3	3	3	0	9	0	0	6	3	0	9	0	1	2	0	0	3	0	2	2	0	0	4	25
Hourly Total	0	8	3	10	0	21	0	1	13	5	0	19	0	1	3	0	0	4	0	6	17	0	0	23	67
3:00 AM	0	2	2	3	0	7	0	0	7	1	0	8	0	0	1	0	0	1	0	1	1	0	0	2	18
3:15 AM	0	2	1	4	0	7	0	0	2	1	0	3	0	0	1	0	0	1	0	2	3	0	0	5	16
3:30 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	6	1	0	7	9
3:45 AM	0	2	0	0	0	2	0	0	9	8	0	17	0	2	1	0	0	3	0	2	7	0	0	9	31
Hourly Total	0	6	3	7	0	16	0	0	20	10	0	30	0	2	3	0	0	5	0	5	17	1	0	23	74
4:00 AM	0	0	0	1	0	1	0	1	8	3	0	12	0	0	0	1	0	1	0	6	7	0	0	13	27
4:15 AM	0	1	0	0	0	1	0	1	6	10	0	17	0	0	4	1	0	5	0	5	7	1	0	13	36
4:30 AM	0	0	0	1	0	1	0	0	21	7	0	28	0	3	4	0	0	7	0	4	10	0	0	14	50
4:45 AM	0	0	1	0	0	1	0	1	19	18	0	38	0	0	0	1	0	1	0	10	11	0	0	21	61
Hourly Total	0	1	1	2	0	4	0	3	54	38	0	95	0	3	8	3	0	14	0	25	35	1	0	61	174
5:00 AM	0	1	0	3	0	4	0	0	19	4	0	23	0	0	2	1	0	3	0	5	13	0	0	18	48
5:15 AM	0	1	0	0	0	1	0	0	31	10	0	41	0	2	2	1	0	5	0	12	23	0	0	35	82
5:30 AM	0	0	0	4	2	4	0	1	33	6	0	40	0	0	0	1	0	1	0	6	24	0	0	30	75
5:45 AM	0	2	0	3	0	5	0	0	31	12	0	43	0	0	3	4	0	7	0	9	15	1	0	25	80
Hourly Total	0	4	0	10	2	14	0	1	114	32	0	147	0	2	7	7	0	16	0	32	75	1	0	108	285
6:00 AM	0	1	0	4	0	5	0	1	57	20	0	78	0	0	4	1	1	5	0	14	38	0	0	52	140
6:15 AM	0	4	1	4	0	9	0	2	40	21	0	63	0	2	6	3	1	11	0	12	40	1	0	53	136
6:30 AM	0	1	0	4	1	5	0	1	68	8	0	77	0	3	2	3	0	8	0	24	53	0	0	77	167
6:45 AM	0	12	4	11	0	27	0	1	86	25	0	112	0	1	8	3	0	12	0	23	49	0	0	72	223
Hourly Total	0	18	5	23	1	46	0	5	251	74	0	330	0	6	20	10	2	36	0	73	180	1	0	254	666
7:00 AM	0	19	1	8	0	28	0	3	91	5	0	99	0	5	1	4	0	10	0	16	60	1	0	77	214
7:15 AM	0	11	3	39	0	53	0	2	90	13	0	105	0	0	2	3	0	5	0	6	53	7	0	66	229
7:30 AM	0	6	1	9	0	16	0	3	95	11	0	109	0	3	1	6	0	10	0	7	58	4	0	69	204
7:45 AM	0	0	1	2	0	3	0	2	133	9	0	144	0	2	0	6	2	8	0	14	73	4	0	91	246
Hourly Total	0	36	6	58	0	100	0	10	409	38	0	457	0	10	4	19	2	33	0	43	244	16	0	303	893

**TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026**

Time	Southbound Hoffman Way						Westbound CSAH 14						Northbound 9th 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	3	1	3	0	7	0	2	95	2	0	99	0	3	2	3	0	8	0	6	47	1	0	54	168
8:15 AM	0	1	1	3	0	5	0	6	87	6	0	99	0	1	0	4	0	5	0	6	52	6	0	64	173
8:30 AM	0	2	0	3	1	5	0	1	76	6	0	83	0	1	2	5	0	8	0	6	90	3	0	99	195
8:45 AM	0	2	0	5	0	7	0	2	98	4	0	104	0	1	1	5	0	7	0	3	97	3	0	103	221
Hourly Total	0	8	2	14	1	24	0	11	356	18	0	385	0	6	5	17	0	28	0	21	286	13	0	320	757
9:00 AM	0	0	0	2	0	2	0	3	88	3	0	94	0	3	2	8	0	13	0	3	85	4	0	92	201
9:15 AM	0	1	0	2	0	3	0	9	84	5	0	98	0	1	0	7	2	8	0	5	111	4	0	120	229
9:30 AM	0	2	0	2	0	4	0	2	102	4	0	108	0	1	0	2	0	3	0	3	78	2	0	83	198
9:45 AM	0	0	0	2	0	2	0	4	96	0	0	100	0	2	1	6	0	9	0	8	96	2	0	106	217
Hourly Total	0	3	0	8	0	11	0	18	370	12	0	400	0	7	3	23	2	33	0	19	370	12	0	401	845
10:00 AM	0	0	0	3	0	3	0	2	95	5	0	102	0	3	0	5	0	8	0	1	83	4	0	88	201
10:15 AM	0	0	1	0	0	1	0	5	90	1	0	96	0	4	0	6	0	10	0	6	95	0	0	101	208
10:30 AM	0	5	2	3	0	10	0	4	110	0	0	114	0	5	0	11	0	16	0	1	108	2	0	111	251
10:45 AM	0	1	0	6	0	7	0	3	125	1	0	129	0	1	1	4	1	6	0	5	140	4	0	149	291
Hourly Total	0	6	3	12	0	21	0	14	420	7	0	441	0	13	1	26	1	40	0	13	426	10	0	449	951
11:00 AM	0	1	0	6	0	7	0	4	113	1	0	118	0	3	0	3	0	6	0	3	127	5	0	135	266
11:15 AM	0	2	0	4	0	6	0	4	115	0	0	119	0	4	0	2	0	6	0	2	139	4	0	145	276
11:30 AM	0	2	0	2	0	4	0	4	134	3	0	141	0	3	1	5	2	9	0	6	125	6	0	137	291
11:45 AM	0	2	0	4	0	6	0	7	147	3	0	157	0	4	0	8	0	12	0	5	163	6	1	174	349
Hourly Total	0	7	0	16	0	23	0	19	509	7	0	535	0	14	1	18	2	33	0	16	554	21	1	591	1182
12:00 PM	0	4	0	4	0	8	0	5	120	2	0	127	0	4	0	2	0	6	0	2	172	2	0	176	317
12:15 PM	0	5	0	3	0	8	0	6	146	7	0	159	0	6	1	3	0	10	0	5	164	5	1	174	351
12:30 PM	0	2	1	0	0	3	0	6	162	7	0	175	0	5	1	2	1	8	0	3	152	3	0	158	344
12:45 PM	0	4	0	3	0	7	0	3	148	4	0	155	0	1	1	5	1	7	0	5	147	5	1	157	326
Hourly Total	0	15	1	10	0	26	0	20	576	20	0	616	0	16	3	12	2	31	0	15	635	15	2	665	1338
1:00 PM	0	3	4	8	0	15	0	1	130	2	0	133	0	3	2	6	0	11	0	6	139	1	0	146	305
1:15 PM	0	0	0	4	0	4	0	4	139	4	0	147	0	2	1	4	1	7	0	12	131	4	0	147	305
1:30 PM	0	6	0	4	0	10	0	5	124	4	0	133	0	3	5	3	0	11	0	9	126	8	1	143	297
1:45 PM	0	2	0	3	0	5	0	5	121	13	0	139	0	6	7	11	0	24	0	13	138	0	0	151	319
Hourly Total	0	11	4	19	0	34	0	15	514	23	0	552	0	14	15	24	1	53	0	40	534	13	1	587	1226
2:00 PM	0	3	0	9	0	12	0	3	124	28	0	155	0	3	12	6	0	21	0	14	130	5	0	149	337
2:15 PM	0	5	2	6	0	13	1	5	118	26	0	150	0	3	8	3	2	14	0	33	133	8	1	174	351
2:30 PM	0	10	3	9	0	22	0	5	122	22	0	149	0	2	11	3	0	16	0	25	140	11	1	176	363
2:45 PM	0	24	5	19	0	48	0	2	98	22	0	122	0	1	14	6	1	21	0	17	170	3	0	190	381
Hourly Total	0	42	10	43	0	95	1	15	462	98	0	576	0	9	45	18	3	72	0	89	573	27	2	689	1432
3:00 PM	0	38	10	38	0	86	0	12	108	8	0	128	0	2	1	3	1	6	0	4	160	3	0	167	387
3:15 PM	0	11	3	9	0	23	0	7	137	0	0	144	0	4	0	10	1	14	0	1	159	11	0	171	352
3:30 PM	0	26	8	24	0	58	0	5	124	7	0	136	0	3	2	6	0	11	0	5	165	6	0	176	381
3:45 PM	0	10	1	13	2	24	0	7	133	6	0	146	0	3	0	7	0	10	0	3	136	5	0	144	324
Hourly Total	0	85	22	84	2	191	0	31	502	21	0	554	0	12	3	26	2	41	0	13	620	25	0	658	1444

**TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026**

Time	Southbound Hoffman Way						Westbound CSAH 14						Northbound 9th 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	9	1	5	0	15	0	9	111	0	0	120	0	3	0	1	4	4	0	0	180	6	0	186	325
4:15 PM	0	6	1	1	0	8	0	8	119	2	0	129	0	3	1	7	0	11	0	1	155	4	0	160	308
4:30 PM	0	7	1	7	0	15	0	9	111	1	0	121	0	3	0	5	2	8	0	5	204	10	1	219	363
4:45 PM	0	2	0	2	0	4	0	5	120	3	0	128	0	5	0	9	0	14	0	0	168	3	0	171	317
Hourly Total	0	24	3	15	0	42	0	31	461	6	0	498	0	14	1	22	6	37	0	6	707	23	1	736	1313
5:00 PM	0	2	1	4	0	7	0	6	123	3	0	132	0	5	1	9	0	15	0	0	146	5	2	151	305
5:15 PM	0	2	2	1	0	5	0	5	145	1	0	151	0	3	0	5	0	8	0	4	173	6	0	183	347
5:30 PM	0	3	0	2	0	5	0	15	153	2	0	170	0	3	1	7	2	11	0	2	165	10	0	177	363
5:45 PM	0	5	0	2	0	7	0	6	145	5	1	156	0	3	0	7	0	10	0	1	123	8	0	132	305
Hourly Total	0	12	3	9	0	24	0	32	566	11	1	609	0	14	2	28	2	44	0	7	607	29	2	643	1320
6:00 PM	0	3	2	2	0	7	0	6	96	2	0	104	0	1	1	6	2	8	0	1	106	7	0	114	233
6:15 PM	0	1	0	4	0	5	0	5	113	1	1	119	0	2	0	7	3	9	0	2	103	2	1	107	240
6:30 PM	0	2	2	3	0	7	0	5	89	1	0	95	0	4	2	6	0	12	0	2	102	0	0	104	218
6:45 PM	0	2	0	1	0	3	0	6	89	1	0	96	0	1	3	3	0	7	0	1	104	6	0	111	217
Hourly Total	0	8	4	10	0	22	0	22	387	5	1	414	0	8	6	22	5	36	0	6	415	15	1	436	908
7:00 PM	0	1	1	4	0	6	0	5	129	1	0	135	0	3	0	5	1	8	0	3	91	3	0	97	246
7:15 PM	0	2	0	0	0	2	0	4	86	2	0	92	0	3	0	10	2	13	0	2	109	4	0	115	222
7:30 PM	0	3	0	2	0	5	0	8	84	2	1	94	0	1	1	2	1	4	0	0	103	2	0	105	208
7:45 PM	0	0	0	1	1	1	0	5	83	0	0	88	0	2	0	1	0	3	0	3	73	4	0	80	172
Hourly Total	0	6	1	7	1	14	0	22	382	5	1	409	0	9	1	18	4	28	0	8	376	13	0	397	848
8:00 PM	0	0	0	1	0	1	0	2	78	0	0	80	0	1	0	2	0	3	0	0	100	3	0	103	187
8:15 PM	0	0	1	1	0	2	0	6	83	0	0	89	0	2	1	6	0	9	0	2	88	4	0	94	194
8:30 PM	0	1	0	0	0	1	0	3	64	1	0	68	0	4	1	1	1	6	0	3	81	5	0	89	164
8:45 PM	0	3	0	1	1	4	0	0	51	1	0	52	0	0	2	3	2	5	0	4	66	2	0	72	133
Hourly Total	0	4	1	3	1	8	0	11	276	2	0	289	0	7	4	12	3	23	0	9	335	14	0	358	678
9:00 PM	0	1	1	2	0	4	0	7	67	4	0	78	0	1	2	0	0	3	0	3	67	5	0	75	160
9:15 PM	0	0	2	1	0	3	0	4	32	8	0	44	0	2	2	2	0	6	0	4	54	3	0	61	114
9:30 PM	0	0	1	1	1	2	0	2	39	7	0	48	0	1	0	1	0	2	0	3	33	2	0	38	90
9:45 PM	0	2	0	3	1	5	0	2	28	6	0	36	0	1	1	2	2	4	0	8	23	1	0	32	77
Hourly Total	0	3	4	7	2	14	0	15	166	25	0	206	0	5	5	5	2	15	0	18	177	11	0	206	441
10:00 PM	0	1	0	2	0	3	0	2	21	11	0	34	0	1	2	1	1	4	0	8	34	0	0	42	83
10:15 PM	0	4	1	4	0	9	0	0	20	9	0	29	0	0	2	0	1	2	0	24	35	0	0	59	99
10:30 PM	0	1	1	2	0	4	0	3	14	5	0	22	0	0	2	2	0	4	0	14	19	1	0	34	64
10:45 PM	0	5	1	6	0	12	0	3	11	1	0	15	0	1	0	1	0	2	0	5	23	0	0	28	57
Hourly Total	0	11	3	14	0	28	0	8	66	26	0	100	0	2	6	4	2	12	0	51	111	1	0	163	303
11:00 PM	0	20	2	10	0	32	0	1	14	3	0	18	0	0	1	0	0	1	0	2	10	0	0	12	63
11:15 PM	0	16	2	7	0	25	0	0	8	1	0	9	0	0	1	0	0	1	0	2	9	5	0	16	51
11:30 PM	0	13	14	23	0	50	0	1	14	4	0	19	0	0	0	0	0	0	0	2	18	2	0	22	91
11:45 PM	0	7	2	3	0	12	0	1	9	1	0	11	0	0	0	2	0	2	0	0	9	3	0	12	37
Hourly Total	0	56	20	43	0	119	0	3	45	9	0	57	0	0	2	2	0	4	0	6	46	10	0	62	242
DAILY TOTAL	0	425	127	453	10	1005	1	310	6963	498	3	7772	0	175	150	319	42	644	0	529	7393	275	10	8197	17618
Cars	0	402	127	384	4	913	1	308	6902	476	1	7687	0	170	148	312	13	630	0	460	7322	271	6	8053	17283
Heavy Vehicles	0	23	0	69	6	92	0	2	61	22	2	85	0	5	2	7	29	14	0	69	71	4	4	144	335
Heavy Vehicle %	0.00%	5.41%	0.00%	15.23%	60.00%	9.15%	0.00%	0.65%	0.88%	4.42%	66.67%	1.09%	0.00%	2.86%	1.33%	2.19%	69.05%	2.17%	0.00%	13.04%	0.96%	1.45%	40.00%	1.76%	1.90%

TMC 2645 - CSAH 14 @ 9th Ave
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	
7:00 AM	0	19	1	8	0	28	0	3	91	5	0	99	0	5	1	4	0	10	0	16	60	1	0	77	214
7:15 AM	0	11	3	39	0	53	0	2	90	13	0	105	0	0	2	3	0	5	0	6	53	7	0	66	229
7:30 AM	0	6	1	9	0	16	0	3	95	11	0	109	0	3	1	6	0	10	0	7	58	4	0	69	204
7:45 AM	0	0	1	2	0	3	0	2	133	9	0	144	0	2	0	6	2	8	0	14	73	4	0	91	246
Peak Hour Total	0	36	6	58	0	100	0	10	409	38	0	457	0	10	4	19	2	33	0	43	244	16	0	303	893
Peak Hour Heavy Vehicles	0	0	0	2	0	2	0	0	3	3	0	6	0	0	0	1	0	1	0	3	8	0	0	11	20
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.00%	3.45%	0.00%	2.00%	0.00%	0.00%	0.73%	7.89%	0.00%	1.31%	0.00%	0.00%	0.00%	5.26%	0.00%	3.03%	0.00%	6.98%	3.28%	0.00%	0.00%	3.63%	2.24%
	0.000	0.474	0.500	0.372	0.000	0.472	0.000	0.833	0.769	0.731	0.000	0.793	0.000	0.500	0.500	0.792	0.250	0.825	0.000	0.672	0.836	0.571	0.000	0.832	0.908

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
11:45 AM	0	2	0	4	0	6	0	7	147	3	0	157	0	4	0	8	0	12	0	5	163	6	1	174	349
12:00 PM	0	4	0	4	0	8	0	5	120	2	0	127	0	4	0	2	0	6	0	2	172	2	0	176	317
12:15 PM	0	5	0	3	0	8	0	6	146	7	0	159	0	6	1	3	0	10	0	5	164	5	1	174	351
12:30 PM	0	2	1	0	0	3	0	6	162	7	0	175	0	5	1	2	1	8	0	3	152	3	0	158	344
Peak Hour Total	0	13	1	11	0	25	0	24	575	19	0	618	0	19	2	15	1	36	0	15	651	16	2	682	1361
Peak Hour Heavy Vehicles	0	1	0	2	0	3	0	1	7	1	0	9	0	2	0	0	0	2	0	5	7	1	0	13	27
Peak Hour Heavy Vehicles % PHF	0.00%	7.69%	0.00%	18.18%	0.00%	12.00%	0.00%	4.17%	1.22%	5.26%	0.00%	1.46%	0.00%	10.53%	0.00%	0.00%	0.00%	5.56%	0.00%	33.33%	1.08%	6.25%	0.00%	1.91%	1.98%
	0.000	0.650	0.250	0.688	0.000	0.781	0.000	0.857	0.887	0.679	0.000	0.883	0.000	0.792	0.500	0.469	0.250	0.750	0.000	0.750	0.946	0.667	0.500	0.969	0.969

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	
2:45 PM	0	24	5	19	0	48	0	2	98	22	0	122	0	1	14	6	1	21	0	17	170	3	0	190	381
3:00 PM	0	38	10	38	0	86	0	12	108	8	0	128	0	2	1	3	1	6	0	4	160	3	0	167	387
3:15 PM	0	11	3	9	0	23	0	7	137	0	0	144	0	4	0	10	1	14	0	1	159	11	0	171	352
3:30 PM	0	26	8	24	0	58	0	5	124	7	0	136	0	3	2	6	0	11	0	5	165	6	0	176	381
Peak Hour Total	0	99	26	90	0	215	0	26	467	37	0	530	0	10	17	25	3	52	0	27	654	23	0	704	1501
Peak Hour Heavy Vehicles	0	1	0	3	0	4	0	0	5	3	0	8	0	0	0	0	0	0	0	2	5	0	0	7	19
Peak Hour Heavy Vehicles % PHF	0.00%	1.01%	0.00%	3.33%	0.00%	1.86%	0.00%	0.00%	1.07%	8.11%	0.00%	1.51%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.41%	0.76%	0.00%	0.00%	0.99%	1.27%
	0.000	0.651	0.650	0.592	0.000	0.625	0.000	0.542	0.852	0.420	0.000	0.920	0.000	0.625	0.304	0.625	0.750	0.619	0.000	0.397	0.962	0.523	0.000	0.926	0.970

Total Vehicles On Leg		2182	
Vehicles Entering Intersection	1005	Vehicles Exiting Intersection	1177
Southbound			
Cars	384	127	402
Heavy	69	0	23
Total	453	127	425



Total Vehicles on Leg	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total
			6	4	10
15788	8197	Vehicles Exiting Intersection	0	0	0
			460	69	529
			7322	71	7393
	7591		271	4	275



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg
476	22	498		7772	
6902	61	6963		Vehicles Exiting Intersection	15910
308	2	310			
1	0	1			
1	2	3			



Total Vehicles On Leg		1356	
Vehicles Entering Intersection	644	Vehicles Exiting Intersection	712
Northbound			
Cars	13	0	170
Heavy	29	0	5
Total	42	0	175



**TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026**

Time	Southbound Heavy Hoffman Way						Westbound Heavy CSAH 14						Northbound Heavy 9th 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	1	0	0	0	1	1
12:30 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
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2
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	1	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	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
3:00 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
3:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	3
Hourly 'Heavy Vehicles'	0	1	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	2	5
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	1	0	2	0	0	0	0	0	0	0	0	0	1	0	1	3
4:30 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
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	2	1	0	3	0	0	0	0	0	0	0	0	2	1	0	3	6
5:00 AM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
5:45 AM	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	5
Hourly 'Heavy Vehicles'	0	2	0	2	0	4	0	0	2	0	0	2	0	0	0	0	0	0	0	3	3	0	0	6	12
6:00 AM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	1	1	0	0	2	4
6:15 AM	0	0	0	2	0	2	0	0	1	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	4
6:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	3
6:45 AM	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
Hourly 'Heavy Vehicles'	0	0	0	4	0	4	0	0	2	3	0	5	0	0	0	0	1	0	0	3	2	0	0	5	14
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	2	3
7:15 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	6
7:30 AM	0	0	0	1	0	1	0	0	0	3	0	3	0	0	0	0	0	0	0	1	0	0	0	1	5
7:45 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	2	0	0	2	2	0	0	4	6
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	3	3	0	6	0	0	0	1	2	1	0	3	8	0	0	11	20

TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026

Time	Southbound Heavy Hoffman Way						Westbound Heavy CSAH 14						Northbound Heavy 9th 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	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4	5	
8:15 AM	0	1	0	2	0	3	0	1	1	0	0	2	0	0	0	1	0	1	0	1	1	1	0	0	3	9	
8:30 AM	0	0	0	2	1	2	0	0	5	0	0	5	0	0	1	3	0	4	0	1	2	0	0	0	3	14	
8:45 AM	0	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4		
Hourly 'Heavy Vehicles'	0	2	0	7	1	9	0	1	6	0	0	7	0	0	1	4	0	5	0	4	6	1	0	0	11	32	
9:00 AM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	2	1	0	0	0	3	6	
9:15 AM	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	1	0	0	2	3	0	0	0	5	8	
9:30 AM	0	2	0	2	0	4	0	0	1	1	0	2	0	0	0	0	0	0	0	0	3	0	0	0	3	9	
9:45 AM	0	0	0	2	0	2	0	0	6	0	0	6	0	0	0	0	0	0	0	3	1	0	0	0	4	12	
Hourly 'Heavy Vehicles'	0	2	0	5	0	7	0	0	11	2	0	13	0	0	0	0	1	0	0	7	8	0	0	0	15	35	
10:00 AM	0	0	0	1	0	1	0	0	3	1	0	4	0	0	0	0	0	0	0	0	2	0	0	0	2	7	
10:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	5	0	0	0	7	8	
10:30 AM	0	4	0	2	0	6	0	0	2	0	0	2	0	1	0	0	0	1	0	1	2	0	0	0	3	12	
10:45 AM	0	0	0	1	0	1	0	0	1	1	0	2	0	0	0	0	1	0	0	2	3	0	0	0	5	8	
Hourly 'Heavy Vehicles'	0	4	0	4	0	8	0	0	7	2	0	9	0	1	0	0	1	1	0	5	12	0	0	0	17	35	
11:00 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	5	7	
11:15 AM	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	5	
11:30 AM	0	0	0	1	0	1	0	0	3	1	0	4	0	0	0	0	1	0	0	3	2	0	0	0	5	10	
11:45 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	2	3	0	0	0	5	7	
Hourly 'Heavy Vehicles'	0	0	0	7	0	7	0	0	4	1	0	5	0	0	0	0	1	0	0	8	9	0	0	0	17	29	
12:00 PM	0	1	0	1	0	2	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	1	7	
12:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	2	0	0	0	3	4	
12:30 PM	0	0	0	0	0	0	0	1	1	1	0	3	0	2	0	0	1	2	0	2	1	1	0	0	4	9	
12:45 PM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	1	1	1	0	2	0	0	1	1	2	6	
Hourly 'Heavy Vehicles'	0	2	0	2	0	4	0	1	7	1	0	9	0	2	0	1	2	3	0	5	4	1	1	1	10	26	
1:00 PM	0	0	0	4	0	4	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	6	
1:15 PM	0	0	0	3	0	3	0	0	2	1	0	3	0	0	0	0	0	0	0	2	2	0	0	0	4	10	
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	3	3	
1:45 PM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	1	0	1	0	1	1	0	0	0	2	6	
Hourly 'Heavy Vehicles'	0	1	0	8	0	9	0	0	4	1	0	5	0	0	0	1	0	1	0	5	4	1	0	0	10	25	
2:00 PM	0	1	0	3	0	4	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	6	
2:15 PM	0	1	0	1	0	2	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	1	1	2	5	
2:30 PM	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	3	
2:45 PM	0	0	0	1	0	1	0	0	3	0	0	3	0	0	0	0	1	0	0	0	2	0	0	0	2	6	
Hourly 'Heavy Vehicles'	0	2	0	6	0	8	0	0	3	1	0	4	0	2	0	0	2	2	0	3	3	0	2	6	20		
3:00 PM	0	1	0	0	0	1	0	0	0	3	0	3	0	0	0	0	1	0	0	2	2	0	0	0	4	8	
3:15 PM	0	0	0	2	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
3:30 PM	0	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 PM	0	0	0	1	2	1	0	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
Hourly 'Heavy Vehicles'	0	1	0	3	2	4	0	0	5	4	0	9	0	0	0	0	1	0	0	2	3	0	0	0	5	18	

TMC 2645 - CSAH 14 @ 9th Ave
Anoka MN
Tuesday, August 18, 2026

Time	Southbound Heavy Hoffman Way						Westbound Heavy CSAH 14						Northbound Heavy 9th Ave						Eastbound Heavy CSAH 14						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach 'Heavy Vehicles'</i>	
4:00 PM	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	3
4:15 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
4:30 PM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	0	2	0	0	2	0	0	1	2	5
4:45 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	2	0	2	0	4	0	0	3	0	0	3	0	0	0	0	5	0	0	3	1	0	1	4	11
5:00 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
5:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	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	0	0	2	0	0	0	0	0	0	0	0
5:45 PM	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
Hourly 'Heavy Vehicles'	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	2	0	0	1	1	0	0	2	3
6:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	3	0	0	1	1	0	0	2	3
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	0	1	1
6:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	0	1	1	1	0	0	0	0	4	0	0	3	1	0	0	4	7
7:00 PM	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	5
7:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2
7:30 PM	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	3
7:45 PM	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	4
Hourly 'Heavy Vehicles'	0	1	0	5	1	6	0	0	1	1	0	2	0	0	0	0	1	0	0	6	0	0	0	6	14
8:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2
8:45 PM	0	0	0	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	3
Hourly 'Heavy Vehicles'	0	1	0	3	1	4	0	0	0	1	0	1	0	0	0	0	1	0	0	2	0	0	0	2	7
9:00 PM	0	0	0	1	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	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	4
9:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
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	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	2	1	2	0	0	1	0	0	1	0	0	0	0	2	0	0	2	2	0	0	4	7
10:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2
10:15 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
10:30 PM	0	0	0	1	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	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	1	4
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	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
DAILY 'Heavy Vehicles'	0	23	0	69	6	92	0	2	61	22	2	85	0	5	2	7	29	14	0	69	71	4	4	144	335

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2645

Study Date : 08/31/2026

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 14

Number of Lanes : 2+

Total Approach Volume: 8,197

Westbound: CSAH 14

Number of Lanes : 2+

Total Approach Volume: 7,772

Minor Street Approaches

Northbound: 9th Ave

Number of Lanes : 1

Total Approach Volume: 644

Southbound: Hoffman Way

Number of Lanes : 1

Total Approach Volume: 552

Warrant Summary (Urban Values Apply)

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

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

Required volumes reached for 1 hours, 8 are needed

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

Required volumes reached for 5 hours, 8 are needed

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

Required 1A volumes reached for 2 hours, 8 are needed

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

Warrant 2 - Four Hour Volumes..... **Not Satisfied**

Number of hours (1) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour..... **Not 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..... **Not Satisfied**

Volumes do not exceed minimums for any 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 2645

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

Only 1 one hour periods meet minimums.
Warrant is NOT 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						Minor Road		
CSAH 14						9th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
14:15 - 15:15	707	+	549	=	1256	57	97	Yes
11:45 - 12:45	682	+	618	=	1300	36	14	No
12:00 - 13:00	665	+	616	=	1281	31	16	No
14:00 - 15:00	689	+	576	=	1265	72	52	No
16:45 - 17:45	682	+	581	=	1263	48	12	No
12:15 - 13:15	635	+	622	=	1257	36	19	No
16:30 - 17:30	724	+	532	=	1256	45	17	No
17:00 - 18:00	643	+	609	=	1252	44	15	No
11:30 - 12:30	661	+	584	=	1245	37	13	No
13:45 - 14:45	650	+	593	=	1243	75	25	No
16:00 - 17:00	736	+	498	=	1234	37	27	No
15:45 - 16:45	709	+	516	=	1225	33	36	No
15:15 - 16:15	677	+	546	=	1223	39	69	No
12:30 - 13:30	608	+	610	=	1218	33	14	No
16:15 - 17:15	701	+	510	=	1211	48	20	No
15:30 - 16:30	666	+	531	=	1197	36	62	No
13:30 - 14:30	617	+	577	=	1194	70	18	No
17:15 - 18:15	606	+	581	=	1187	37	17	No
11:15 - 12:15	632	+	544	=	1176	33	10	No
13:15 - 14:15	590	+	574	=	1164	63	11	No
12:45 - 13:45	593	+	568	=	1161	36	17	No
13:00 - 14:00	587	+	552	=	1139	53	15	No
11:00 - 12:00	591	+	535	=	1126	33	7	No
17:30 - 18:30	530	+	549	=	1079	38	14	No
10:45 - 11:45	566		507		1073	27	6	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2645

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

Only 5 one hour periods meet minimums.
Warrant is NOT 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						Minor Road		
CSAH 14						9th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
14:00 - 15:00	689	+	576	=	1265	72	52	Yes
15:00 - 16:00	658	+	554	=	1212	41	107	Yes
16:15 - 17:15	701	+	510	=	1211	48	20	Yes
13:00 - 14:00	587	+	552	=	1139	53	15	Yes
06:30 - 07:30	292	+	393	=	685	35	51	Yes
11:45 - 12:45	682	+	618	=	1300	36	14	No
12:00 - 13:00	665	+	616	=	1281	31	16	No
12:15 - 13:15	635	+	622	=	1257	36	19	No
11:30 - 12:30	661	+	584	=	1245	37	13	No
16:00 - 17:00	736	+	498	=	1234	37	27	No
12:30 - 13:30	608	+	610	=	1218	33	14	No
17:15 - 18:15	606	+	581	=	1187	37	17	No
11:15 - 12:15	632	+	544	=	1176	33	10	No
12:45 - 13:45	593	+	568	=	1161	36	17	No
11:00 - 12:00	591	+	535	=	1126	33	7	No
17:30 - 18:30	530	+	549	=	1079	38	14	No
10:45 - 11:45	566	+	507	=	1073	27	6	No
10:30 - 11:30	540	+	480	=	1020	34	11	No
10:15 - 11:15	496	+	457	=	953	38	10	No
17:45 - 18:45	457	+	474	=	931	39	15	No
10:00 - 11:00	449	+	441	=	890	40	9	No
18:15 - 19:15	419	+	445	=	864	36	9	No
18:00 - 19:00	436	+	414	=	850	36	12	No
18:45 - 19:45	428	+	417	=	845	32	9	No
18:30 - 19:30	427		418		845	40	10	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2645

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

Only 2 hours meet 1A minimums.
11 hours meet 1B minimums.
Warrant is NOT 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 CSAH 14						Minor Road 9th Ave					
Time	Major EB	+	Major WB	=	Total		Minor NB		Minor SB		Met1A?
13:45 - 14:45	650	+	593	=	1243		75		25		Yes
14:45 - 15:45	704	+	530	=	1234		52		125		Yes
11:45 - 12:45	682	+	618	=	1300		36		14		No
12:00 - 13:00	665	+	616	=	1281		31		16		No
16:45 - 17:45	682	+	581	=	1263		48		12		No
12:15 - 13:15	635	+	622	=	1257		36		19		No
16:30 - 17:30	724	+	532	=	1256		45		17		No
17:00 - 18:00	643	+	609	=	1252		44		15		No
11:30 - 12:30	661	+	584	=	1245		37		13		No
16:00 - 17:00	736	+	498	=	1234		37		27		No
15:45 - 16:45	709	+	516	=	1225		33		36		No
12:30 - 13:30	608		610		1218		33		14		No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?	
16:45 - 17:45	682	+	581	=	1263	48	12	Yes	
11:30 - 12:30	661	+	584	=	1245	37	13	Yes	
13:45 - 14:45	650	+	593	=	1243	75	25	Yes	
14:45 - 15:45	704	+	530	=	1234	52	125	Yes	
15:45 - 16:45	709	+	516	=	1225	33	36	Yes	
12:45 - 13:45	593	+	568	=	1161	36	17	Yes	
17:45 - 18:45	457	+	474	=	931	39	15	Yes	
09:45 - 10:45	406	+	412	=	818	43	8	Yes	
08:30 - 09:30	414	+	379	=	793	36	5	Yes	
07:00 - 08:00	303	+	457	=	760	33	42	Yes	
06:00 - 07:00	254	+	330	=	584	36	23	Yes	
12:30 - 13:30	608		610		1218	33	14	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2645

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.

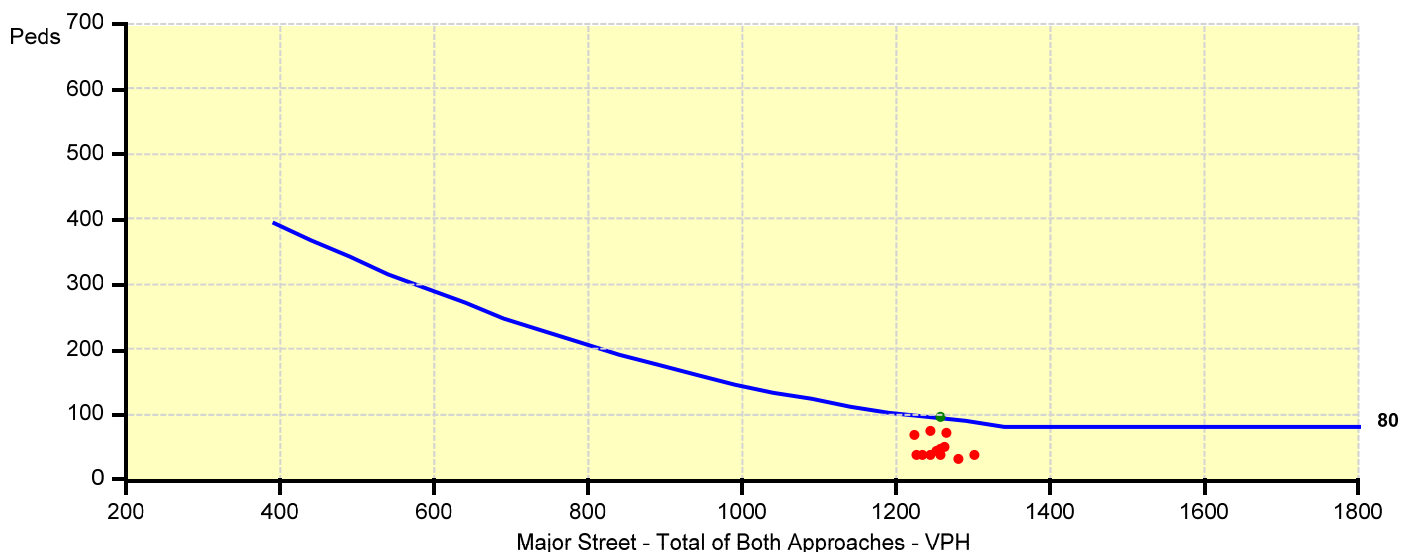
Summary

Only 1 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Major Road CSAH 14						Minor Road 9th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
14:15 - 15:15	707	+	549	=	1256	57	97	Yes
11:45 - 12:45	682	+	618	=	1300	36	14	No
12:00 - 13:00	665	+	616	=	1281	31	16	No
14:00 - 15:00	689	+	576	=	1265	72	52	No
16:45 - 17:45	682	+	581	=	1263	48	12	No
12:15 - 13:15	635	+	622	=	1257	36	19	No
16:30 - 17:30	724	+	532	=	1256	45	17	No
17:00 - 18:00	643	+	609	=	1252	44	15	No
11:30 - 12:30	661	+	584	=	1245	37	13	No
13:45 - 14:45	650	+	593	=	1243	75	25	No
16:00 - 17:00	736	+	498	=	1234	37	27	No
15:45 - 16:45	709	+	516	=	1225	33	36	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2645

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

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

Site Data Required

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

Major Road CSAH 14						Minor Road 9th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
11:45 - 12:45	682	+	618	=	1300	36	14	No
12:00 - 13:00	665	+	616	=	1281	31	16	No
14:00 - 15:00	689	+	576	=	1265	72	52	No
16:45 - 17:45	682	+	581	=	1263	48	12	No
12:15 - 13:15	635	+	622	=	1257	36	19	No
16:30 - 17:30	724	+	532	=	1256	45	17	No
14:15 - 15:15	707	+	549	=	1256	57	97	No
17:00 - 18:00	643	+	609	=	1252	44	15	No
14:30 - 15:30	704	+	543	=	1247	57	104	No
11:30 - 12:30	661	+	584	=	1245	37	13	No
13:45 - 14:45	650	+	593	=	1243	75	25	No
16:00 - 17:00	736	+	498	=	1234	37	27	No

