

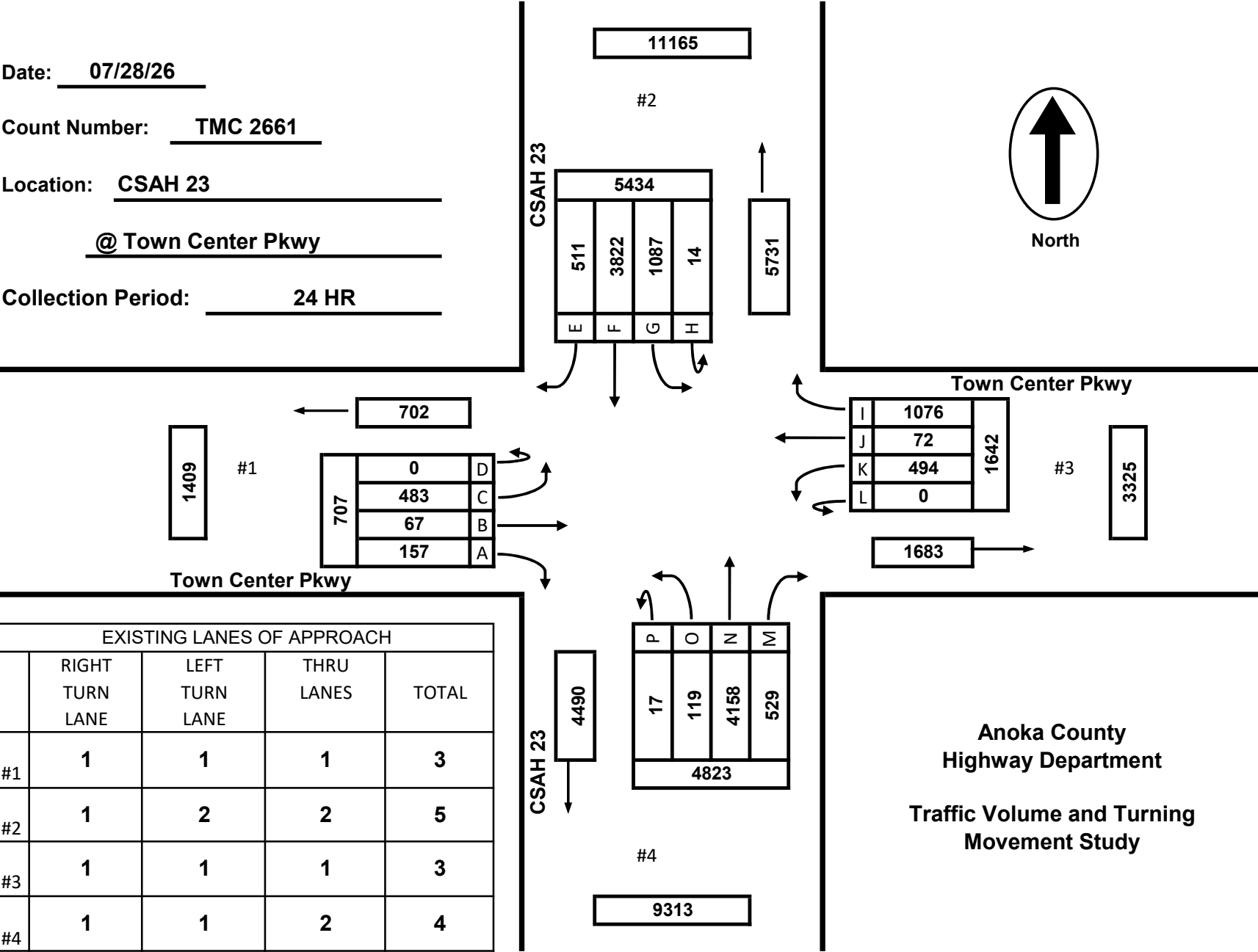
Date: 07/28/26

Count Number: TMC 2661

Location: CSAH 23

@ Town Center Pkwy

Collection Period: 24 HR



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	1	1	3
#2	1	2	2	5
#3	1	1	1	3
#4	1	1	2	4

Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

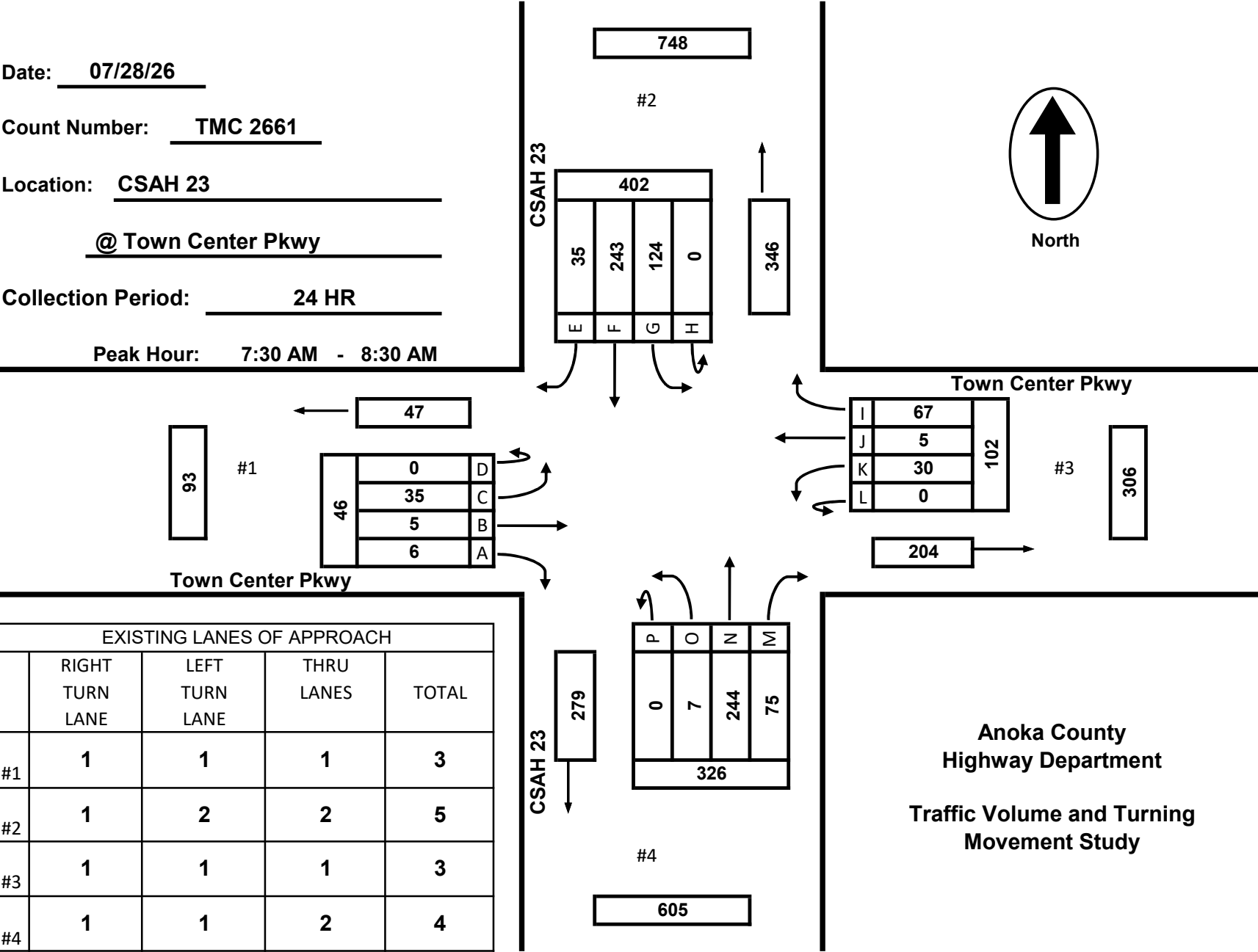
Date: 07/28/26

Count Number: TMC 2661

Location: CSAH 23
@ Town Center Pkwy

Collection Period: 24 HR

Peak Hour: 7:30 AM - 8:30 AM



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	1	1	3
#2	1	2	2	5
#3	1	1	1	3
#4	1	1	2	4

**Anoka County
Highway Department**

**Traffic Volume and Turning
Movement Study**

Date: 07/28/26

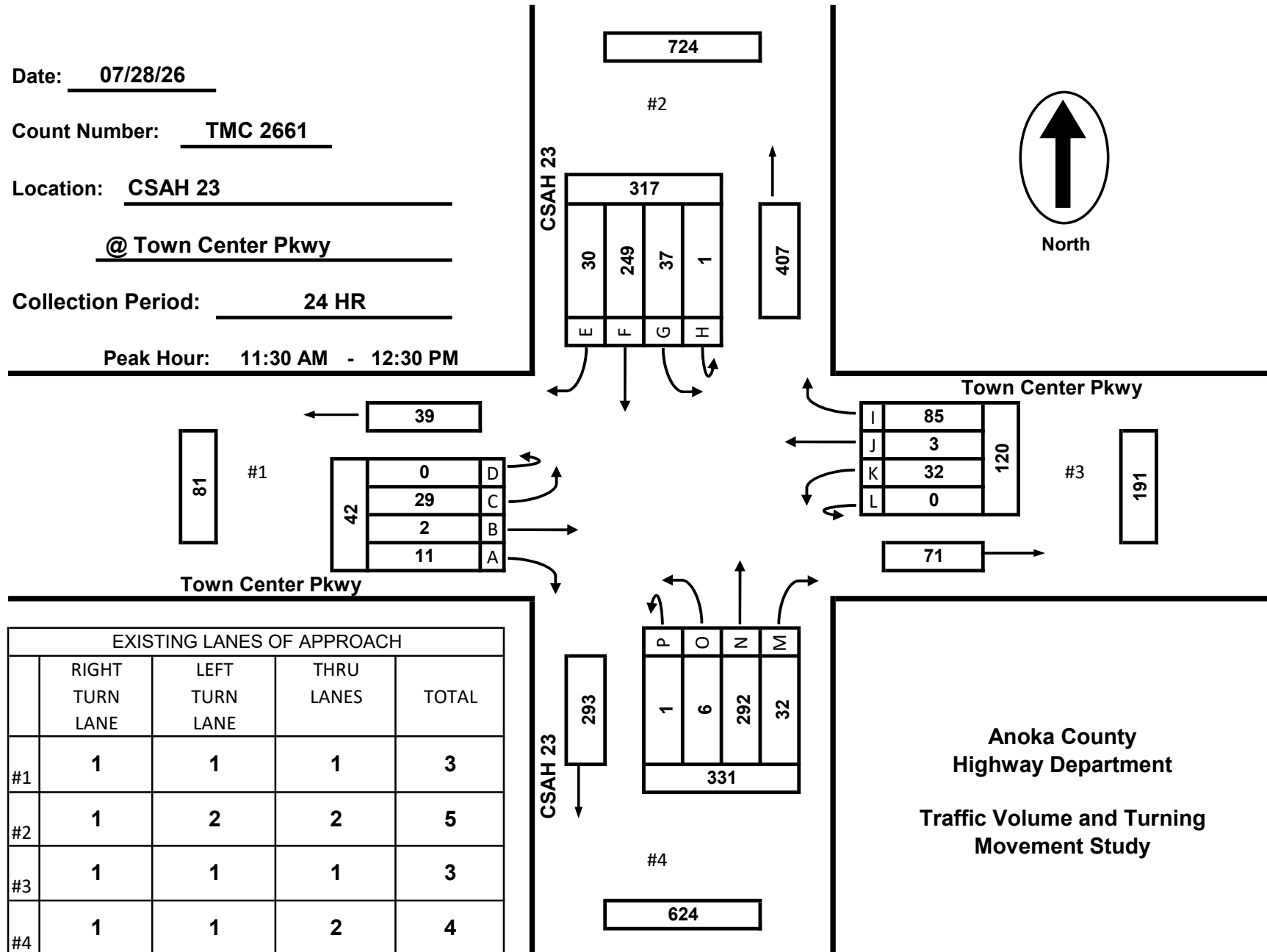
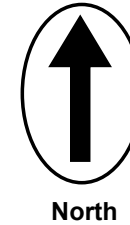
Count Number: TMC 2661

Location: CSAH 23

@ Town Center Pkwy

Collection Period: 24 HR

Peak Hour: 11:30 AM - 12:30 PM



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

Date: 07/28/26

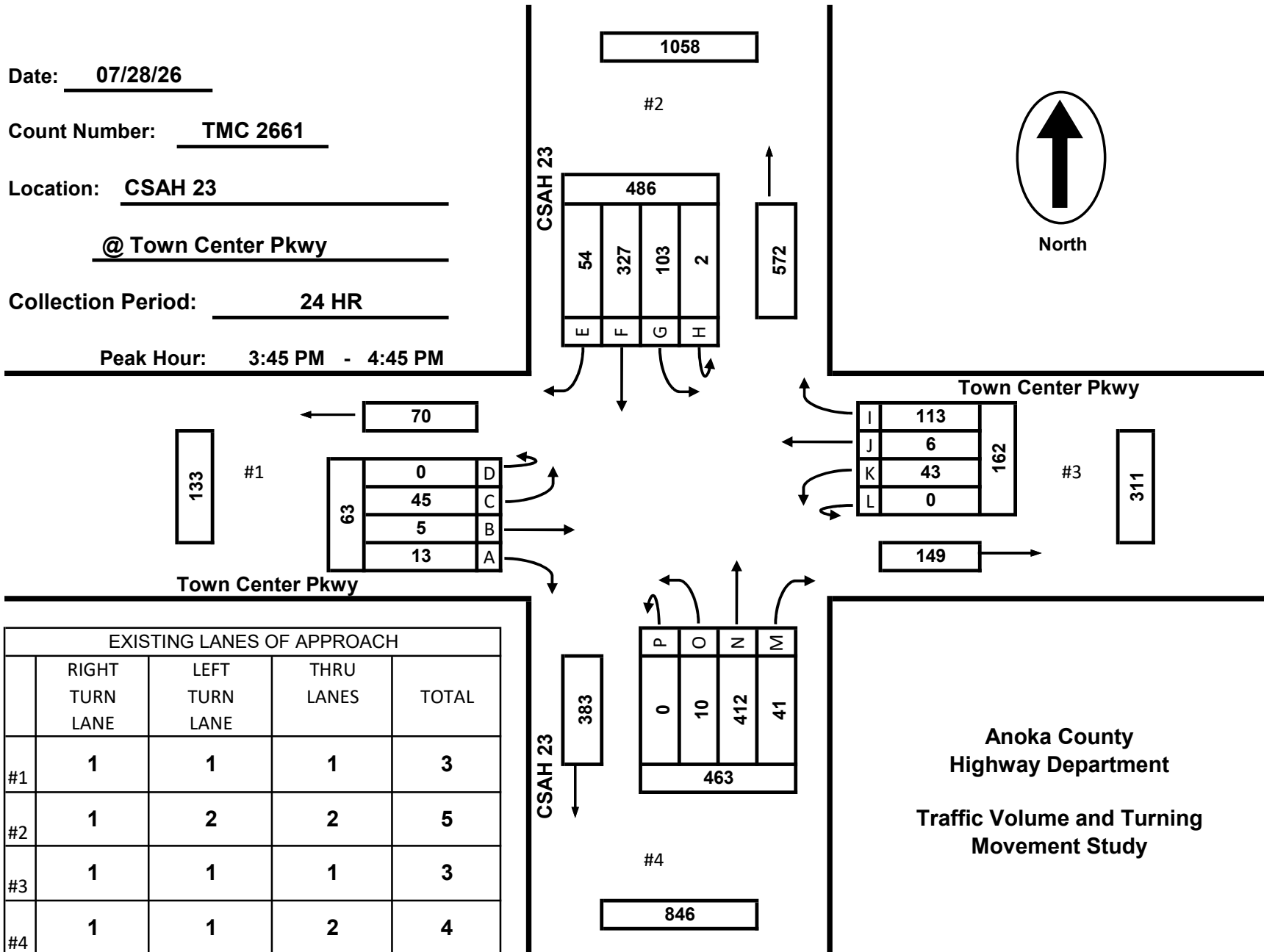
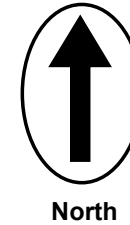
Count Number: TMC 2661

Location: CSAH 23

@ Town Center Pkwy

Collection Period: 24 HR

Peak Hour: 3:45 PM - 4:45 PM



TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 2026

Time	Southbound CSAH 23						Westbound Town Center Pkwy						Northbound CSAH 23						Eastbound Town Center Pkwy						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	2	2	0	4	0	0	0	0	0	0	0	0	3	1	0	4	0	1	0	0	0	1	9
12:15 AM	1	2	5	2	0	10	0	1	0	3	0	4	1	0	2	1	0	4	0	1	1	0	0	2	20
12:30 AM	0	3	2	0	0	5	0	0	0	3	0	3	0	0	1	0	0	1	0	1	0	0	0	1	10
12:45 AM	0	1	4	1	0	6	0	0	0	2	0	2	0	0	3	0	0	3	0	1	0	0	0	1	12
Hourly Total	1	6	13	5	0	25	0	1	0	8	0	9	1	0	9	2	0	12	0	4	1	0	0	5	51
1:00 AM	0	1	1	2	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	0	1	7
1:15 AM	0	2	0	1	0	3	0	0	0	1	0	1	0	0	9	0	0	9	0	0	0	0	0	0	13
1:30 AM	0	3	0	0	0	3	0	0	0	1	0	1	0	0	10	1	0	11	0	1	0	0	0	1	16
1:45 AM	0	2	1	0	0	3	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	7
Hourly Total	0	8	2	3	0	13	0	0	0	2	0	2	0	0	25	1	0	26	0	2	0	0	0	2	43
2:00 AM	0	0	1	1	0	2	0	0	1	0	1	1	0	0	2	0	0	2	0	2	0	0	0	2	7
2:15 AM	1	1	2	1	0	5	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	1	7
2:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	4
2:45 AM	1	1	1	0	0	3	0	0	0	1	1	1	0	1	3	0	0	4	0	1	0	0	0	1	9
Hourly Total	2	2	5	3	0	12	0	0	1	1	3	2	0	1	7	0	0	8	0	4	1	0	0	5	27
3:00 AM	0	1	0	0	0	1	0	1	0	0	0	1	0	0	2	0	0	2	0	1	0	0	0	1	5
3:15 AM	0	4	1	1	0	6	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	0	0	1	9
3:30 AM	0	1	3	1	0	5	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	8
3:45 AM	0	1	2	1	0	4	0	2	0	0	0	2	0	0	5	1	0	6	0	0	0	0	0	0	12
Hourly Total	0	7	6	3	0	16	0	3	0	2	0	5	0	0	9	2	0	11	0	2	0	0	0	2	34
4:00 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	5
4:15 AM	0	1	4	0	0	5	0	2	0	1	0	3	0	1	3	1	0	5	0	0	0	0	0	0	13
4:30 AM	0	7	6	5	0	18	0	0	0	1	0	1	0	0	4	1	0	5	0	4	0	0	0	4	28
4:45 AM	0	6	9	4	0	19	0	1	0	2	0	3	0	0	6	7	0	13	0	2	0	0	0	2	37
Hourly Total	0	14	23	9	0	46	0	3	0	4	0	7	0	1	13	9	0	23	0	7	0	0	0	7	83
5:00 AM	0	8	7	5	0	20	0	0	0	1	0	1	0	0	9	4	0	13	0	5	0	2	0	7	41
5:15 AM	0	5	6	8	0	19	0	0	1	2	0	3	0	2	14	2	0	18	0	7	1	2	0	10	50
5:30 AM	0	4	12	4	0	20	0	2	1	5	0	8	0	1	20	4	0	25	0	3	2	0	0	5	58
5:45 AM	0	9	20	5	0	34	0	3	1	8	0	12	0	4	15	4	0	23	0	4	1	2	0	7	76
Hourly Total	0	26	45	22	0	93	0	5	3	16	0	24	0	7	58	14	0	79	0	19	4	6	0	29	225
6:00 AM	0	12	18	1	0	31	0	3	0	9	3	12	0	0	15	6	0	21	0	4	0	0	0	4	68
6:15 AM	0	8	34	11	0	53	0	3	1	12	3	16	0	2	16	2	0	20	0	4	0	5	0	9	98
6:30 AM	0	5	34	3	0	42	0	3	2	10	3	15	0	1	51	0	0	52	0	7	0	3	0	10	119
6:45 AM	0	13	48	10	0	71	0	6	0	7	0	13	0	0	50	5	0	55	0	5	2	2	0	9	148
Hourly Total	0	38	134	25	0	197	0	15	3	38	9	56	0	3	132	13	0	148	0	20	2	10	0	32	433
7:00 AM	0	14	32	5	0	51	0	3	2	12	0	17	0	2	45	8	0	55	0	7	1	0	0	8	131
7:15 AM	0	23	58	4	0	85	0	7	2	13	1	22	0	3	44	12	0	59	0	9	0	2	0	11	177
7:30 AM	0	43	50	5	0	98	0	3	1	12	1	16	0	3	72	28	0	103	0	7	2	0	0	9	226
7:45 AM	0	37	58	16	0	111	0	9	4	20	2	33	0	2	70	24	0	96	0	13	3	0	0	16	256
Hourly Total	0	117	198	30	0	345	0	22	9	57	4	88	0	10	231	72	0	313	0	36	6	2	0	44	790

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 2026

Time	Southbound CSAH 23						Westbound Town Center Pkwy						Northbound CSAH 23						Eastbound Town Center Pkwy						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	23	62	6	0	91	0	8	0	16	0	24	0	2	43	10	0	55	0	9	0	4	0	13	183
8:15 AM	0	21	73	8	0	102	0	10	0	19	0	29	0	0	59	13	0	72	0	6	0	2	0	8	211
8:30 AM	0	16	66	7	0	89	0	11	0	16	0	27	0	1	64	6	0	71	0	7	0	2	0	9	196
8:45 AM	0	20	66	8	0	94	0	6	2	26	1	34	1	4	71	16	0	92	0	7	1	2	0	10	230
Hourly Total	0	80	267	29	0	376	0	35	2	77	1	114	1	7	237	45	0	290	0	29	1	10	0	40	820
9:00 AM	0	29	46	3	0	78	0	18	3	34	0	55	0	4	72	13	0	89	0	9	0	2	0	11	233
9:15 AM	1	19	55	11	0	86	0	9	3	16	2	28	0	1	52	9	0	62	0	11	3	2	0	16	192
9:30 AM	0	11	48	4	0	63	0	9	0	18	0	27	0	1	50	10	0	61	0	6	0	2	0	8	159
9:45 AM	0	15	69	6	1	90	0	8	1	13	1	22	0	2	72	8	0	82	0	2	1	4	0	7	201
Hourly Total	1	74	218	24	1	317	0	44	7	81	3	132	0	8	246	40	0	294	0	28	4	10	0	42	785
10:00 AM	0	13	39	4	0	56	0	4	0	9	0	13	0	2	53	12	0	67	0	8	0	2	0	10	146
10:15 AM	0	13	54	3	0	70	0	12	3	14	0	29	0	0	53	5	0	58	0	4	1	1	0	6	163
10:30 AM	0	16	46	7	0	69	0	8	1	19	2	28	0	1	49	7	4	57	0	2	0	1	0	3	157
10:45 AM	0	17	57	8	0	82	0	7	1	10	1	18	1	4	63	7	0	75	0	9	1	3	0	13	188
Hourly Total	0	59	196	22	0	277	0	31	5	52	3	88	1	7	218	31	4	257	0	23	2	7	0	32	654
11:00 AM	1	12	64	8	0	85	0	7	0	19	0	26	0	1	62	12	0	75	0	10	0	2	0	12	198
11:15 AM	0	11	78	9	0	98	0	5	1	10	0	16	0	2	66	3	0	71	0	7	0	2	0	9	194
11:30 AM	0	9	55	9	0	73	0	5	2	22	1	29	0	0	82	6	0	88	0	9	1	4	0	14	204
11:45 AM	0	11	63	6	0	80	0	4	0	16	2	20	1	2	74	7	0	84	0	5	0	3	0	8	192
Hourly Total	1	43	260	32	0	336	0	21	3	67	3	91	1	5	284	28	0	318	0	31	1	11	0	43	788
12:00 PM	0	6	69	10	0	85	0	17	1	28	0	46	0	2	66	11	0	79	0	8	0	0	0	8	218
12:15 PM	1	11	62	5	0	79	0	6	0	19	2	25	0	2	70	8	2	80	0	7	1	4	2	12	196
12:30 PM	0	14	57	6	0	77	0	5	0	15	3	20	0	0	73	6	0	79	0	4	1	1	0	6	182
12:45 PM	0	11	55	10	0	76	0	6	2	17	2	25	0	1	78	5	0	84	0	5	2	6	0	13	198
Hourly Total	1	42	243	31	0	317	0	34	3	79	7	116	0	5	287	30	2	322	0	24	4	11	2	39	794
1:00 PM	2	20	56	7	0	85	0	10	3	8	0	21	0	3	61	6	0	70	0	10	1	2	0	13	189
1:15 PM	0	18	69	7	0	94	0	9	0	14	1	23	2	1	77	9	0	89	0	5	0	4	1	9	215
1:30 PM	0	16	56	6	0	78	0	4	0	19	0	23	1	2	57	5	0	65	0	5	1	1	0	7	173
1:45 PM	0	12	60	8	0	80	0	9	1	10	0	20	0	4	56	11	0	71	0	9	1	1	0	11	182
Hourly Total	2	66	241	28	0	337	0	32	4	51	1	87	3	10	251	31	0	295	0	29	3	8	1	40	759
2:00 PM	0	24	61	9	0	94	0	5	0	23	0	28	0	2	71	7	0	80	0	9	4	5	0	18	220
2:15 PM	0	9	60	9	0	78	0	7	1	11	0	19	0	2	55	1	0	58	0	7	0	2	0	9	164
2:30 PM	0	16	87	4	0	107	0	6	1	16	1	23	0	5	88	7	0	100	0	6	0	3	0	9	239
2:45 PM	0	9	89	10	0	108	0	12	1	21	0	34	0	2	87	4	1	93	0	8	1	5	0	14	249
Hourly Total	0	58	297	32	0	387	0	30	3	71	1	104	0	11	301	19	1	331	0	30	5	15	0	50	872
3:00 PM	1	25	77	11	0	114	0	9	1	22	0	32	0	0	87	10	0	97	0	5	1	5	1	11	254
3:15 PM	0	15	83	10	0	108	0	12	0	18	0	30	0	0	88	10	0	98	0	6	1	3	0	10	246
3:30 PM	0	26	80	11	0	117	0	13	1	23	1	37	0	2	99	13	0	114	0	12	2	3	0	17	285
3:45 PM	0	26	103	15	0	144	0	9	4	30	0	43	0	4	106	8	0	118	0	10	1	3	0	14	319
Hourly Total	1	92	343	47	0	483	0	43	6	93	1	142	0	6	380	41	0	427	0	33	5	14	1	52	1104

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 2026

Time	Southbound CSAH 23						Westbound Town Center Pkwy						Northbound CSAH 23						Eastbound Town Center Pkwy						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	<i>Vehicle Approach Total</i>	
4:00 PM	1	25	75	16	0	117	0	6	1	28	2	35	0	1	116	14	0	131	0	18	2	3	0	23	306
4:15 PM	0	24	62	13	0	99	0	14	0	16	2	30	0	2	87	12	4	101	0	11	2	4	1	17	247
4:30 PM	1	28	87	10	0	126	0	14	1	39	0	54	0	3	103	7	0	113	0	6	0	3	0	9	302
4:45 PM	0	29	95	8	0	132	0	10	2	22	2	34	1	3	97	14	0	115	0	14	0	0	0	14	295
Hourly Total	2	106	319	47	0	474	0	44	4	105	6	153	1	9	403	47	4	460	0	49	4	10	1	63	1150
5:00 PM	0	14	80	6	0	100	0	16	2	40	3	58	1	3	102	11	0	117	0	10	2	1	0	13	288
5:15 PM	1	26	71	7	0	105	0	11	1	35	0	47	1	0	90	18	0	109	0	5	2	4	0	11	272
5:30 PM	0	11	71	7	0	89	0	12	1	20	0	33	1	1	105	8	0	115	0	4	1	2	0	7	244
5:45 PM	0	15	56	10	0	81	0	8	2	14	0	24	2	2	69	4	0	77	0	9	2	2	0	13	195
Hourly Total	1	66	278	30	0	375	0	47	6	109	3	162	5	6	366	41	0	418	0	28	7	9	0	44	999
6:00 PM	0	18	58	5	0	81	0	4	3	20	0	27	1	4	73	11	0	89	0	9	0	5	0	14	211
6:15 PM	0	11	75	8	0	94	0	7	0	17	0	24	0	2	73	3	0	78	0	5	1	5	0	11	207
6:30 PM	1	11	58	7	0	77	0	5	0	8	0	13	0	1	63	3	0	67	0	6	1	4	1	11	168
6:45 PM	0	8	70	7	0	85	0	8	1	15	3	24	1	5	55	5	0	66	0	5	0	5	0	10	185
Hourly Total	1	48	261	27	0	337	0	24	4	60	3	88	2	12	264	22	0	300	0	25	2	19	1	46	771
7:00 PM	1	6	57	7	0	71	0	9	1	17	0	27	0	1	51	7	2	59	0	7	4	1	0	12	169
7:15 PM	0	18	42	8	0	68	0	7	0	9	0	16	0	1	38	11	0	50	0	5	1	2	0	8	142
7:30 PM	0	11	44	4	0	59	0	11	0	14	2	25	0	0	44	2	0	46	0	5	1	0	0	6	136
7:45 PM	0	7	41	4	0	52	0	4	0	6	0	10	0	1	38	5	0	44	0	1	0	2	0	3	109
Hourly Total	1	42	184	23	0	250	0	31	1	46	2	78	0	3	171	25	2	199	0	18	6	5	0	29	556
8:00 PM	0	5	32	1	0	38	0	8	1	10	2	19	0	1	40	2	1	43	0	5	0	0	1	5	105
8:15 PM	0	8	45	3	0	56	0	4	1	1	0	6	1	1	35	2	1	39	0	3	0	1	1	4	105
8:30 PM	0	3	36	5	0	44	0	5	0	4	2	9	0	0	36	4	2	40	0	4	0	1	0	5	98
8:45 PM	0	8	30	1	0	39	0	7	2	7	0	16	0	1	23	1	0	25	0	4	1	2	0	7	87
Hourly Total	0	24	143	10	0	177	0	24	4	22	4	50	1	3	134	9	4	147	0	16	1	4	2	21	395
9:00 PM	0	6	28	2	1	36	0	1	0	7	0	8	0	1	30	0	0	31	0	1	1	1	0	3	78
9:15 PM	0	8	20	3	0	31	0	1	1	3	0	5	0	1	22	1	0	24	0	1	0	1	0	2	62
9:30 PM	0	6	21	2	0	29	0	0	0	0	1	0	0	1	27	1	0	29	0	4	0	0	0	4	62
9:45 PM	0	8	15	4	0	27	0	0	0	1	0	1	0	1	5	0	0	6	0	3	2	0	0	5	39
Hourly Total	0	28	84	11	1	123	0	2	1	11	1	14	0	4	84	2	0	90	0	9	3	2	0	14	241
10:00 PM	0	8	13	7	0	28	0	0	0	2	1	2	0	1	7	1	0	9	0	4	2	0	0	6	45
10:15 PM	0	5	8	3	0	16	0	0	0	4	0	4	1	0	10	2	0	13	0	4	0	3	0	7	40
10:30 PM	0	5	12	1	0	18	0	1	0	3	0	4	0	0	6	0	0	6	0	2	0	0	0	2	30
10:45 PM	0	4	10	4	0	18	0	0	3	8	0	11	0	0	5	0	0	5	0	4	2	0	0	6	40
Hourly Total	0	22	43	15	0	80	0	1	3	17	1	21	1	1	28	3	0	33	0	14	4	3	0	21	155
11:00 PM	0	6	2	0	0	8	0	0	0	6	0	6	0	0	6	0	0	6	0	1	0	0	0	1	21
11:15 PM	0	5	8	0	0	13	0	1	0	1	0	2	0	0	5	1	0	6	0	0	1	0	0	1	22
11:30 PM	0	5	5	2	0	12	0	1	0	0	0	1	0	0	4	1	0	5	0	1	0	0	0	1	19
11:45 PM	0	3	4	1	0	8	0	0	0	0	0	0	0	0	5	0	0	5	0	1	0	1	0	2	15
Hourly Total	0	19	19	3	0	41	0	2	0	7	0	9	0	0	20	2	0	22	0	3	1	1	0	5	77
DAILY TOTAL	14	1087	3822	511	2	5434	0	494	72	1076	56	1642	17	119	4158	529	17	4823	0	483	67	157	8	707	12606
Cars	14	1073	3750	464	1	5301	0	490	72	1062	18	1624	17	115	4082	526	7	4740	0	440	66	152	2	658	12323
Heavy Vehicles	0	14	72	47	1	133	0	4	0	14	38	18	0	4	76	3	10	83	0	43	1	5	6	49	283
Heavy Vehicle %	0.00%	1.29%	1.88%	9.20%	50.00%	2.45%	0.00%	0.81%	0.00%	1.30%	67.86%	1.10%	0.00%	3.36%	1.83%	0.57%	58.82%	1.72%	0.00%	8.90%	1.49%	3.18%	75.00%	6.93%	2.24%

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 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	
7:30 AM	0	43	50	5	0	98	0	3	1	12	1	16	0	3	72	28	0	103	0	7	2	0	0	9	226
7:45 AM	0	37	58	16	0	111	0	9	4	20	2	33	0	2	70	24	0	96	0	13	3	0	0	16	256
8:00 AM	0	23	62	6	0	91	0	8	0	16	0	24	0	2	43	10	0	55	0	9	0	4	0	13	183
8:15 AM	0	21	73	8	0	102	0	10	0	19	0	29	0	0	59	13	0	72	0	6	0	2	0	8	211
Peak Hour Total	0	124	243	35	0	402	0	30	5	67	3	102	0	7	244	75	0	326	0	35	5	6	0	46	876
Peak Hour Heavy Vehicle	0	1	9	8	0	18	0	0	0	2	2	2	0	0	9	1	0	10	0	6	0	0	0	6	36
Peak Hour Heavy Vehicle PHF	0.00%	0.81%	3.70%	22.86%	0.00%	4.48%	0.00%	0.00%	0.00%	2.99%	66.67%	1.96%	0.00%	0.00%	3.69%	1.33%	0.00%	3.07%	0.00%	17.14%	0.00%	0.00%	0.00%	13.04%	4.11%
	0.00%	0.721	0.832	0.547	0.000	0.905	0.000	0.750	0.313	0.838	0.375	0.773	0.000	0.583	0.847	0.670	0.000	0.791	0.000	0.673	0.417	0.375	0.000	0.719	0.855

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	
11:30 AM	0	9	55	9	0	73	0	5	2	22	1	29	0	0	82	6	0	88	0	9	1	4	0	14	204
11:45 AM	0	11	63	6	0	80	0	4	0	16	2	20	1	2	74	7	0	84	0	5	0	3	0	8	192
12:00 PM	0	6	69	10	0	85	0	17	1	28	0	46	0	2	66	11	0	79	0	8	0	0	0	8	218
12:15 PM	1	11	62	5	0	79	0	6	0	19	2	25	0	2	70	8	2	80	0	7	1	4	2	12	196
Peak Hour Total	1	37	249	30	0	317	0	32	3	85	5	120	1	6	292	32	2	331	0	29	2	11	2	42	810
Peak Hour Heavy Vehicle	0	2	3	5	0	10	0	1	0	2	5	3	0	1	3	1	0	5	0	3	0	1	2	4	22
Peak Hour Heavy Vehicle PHF	0.00%	5.41%	1.20%	16.67%	0.00%	3.15%	0.00%	3.13%	0.00%	2.35%	100.00%	2.50%	0.00%	16.67%	1.03%	3.13%	0.00%	1.51%	0.00%	10.34%	0.00%	9.09%	100.00%	9.52%	2.72%
	0.250	0.841	0.902	0.750	0.000	0.932	0.000	0.471	0.375	0.759	0.625	0.652	0.250	0.750	0.890	0.727	0.250	0.940	0.000	0.806	0.500	0.688	0.250	0.750	0.929

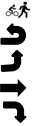
PM Peak Hour (14:00 - 24:00)

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	
3:45 PM	0	26	103	15	0	144	0	9	4	30	0	43	0	4	106	8	0	118	0	10	1	3	0	14	319
4:00 PM	1	25	75	16	0	117	0	6	1	28	2	35	0	1	116	14	0	131	0	18	2	3	0	23	306
4:15 PM	0	24	62	13	0	99	0	14	0	16	2	30	0	2	87	12	4	101	0	11	2	4	1	17	247
4:30 PM	1	28	87	10	0	126	0	14	1	39	0	54	0	3	103	7	0	113	0	6	0	3	0	9	302
Peak Hour Total	2	103	327	54	0	486	0	43	6	113	4	162	0	10	412	41	4	463	0	45	5	13	1	63	1174
Peak Hour Heavy Vehicle	0	0	5	3	0	8	0	0	0	1	4	1	0	0	4	0	0	4	0	4	0	0	1	4	17
Peak Hour Heavy Vehicle PHF	0.00%	0.00%	1.53%	5.56%	0.00%	1.65%	0.00%	0.00%	0.00%	0.88%	100.00%	0.62%	0.00%	0.00%	0.97%	0.00%	0.00%	0.86%	0.00%	8.89%	0.00%	0.00%	100.00%	6.35%	1.45%
	0.500	0.920	0.794	0.844	0.000	0.844	0.000	0.768	0.375	0.724	0.500	0.750	0.000	0.625	0.888	0.732	0.250	0.884	0.000	0.625	0.625	0.813	0.250	0.685	0.920

Total Vehicles On Leg			11165		
Vehicles Entering Intersection		5434	Vehicles Exiting Intersection		5731
Southbound					
Cars	464	3750	1073	14	1
Heavy	47	72	14	0	1
Total	511	3822	1087	14	2



Total Vehicles on Leg 1409	Vehicles Entering Intersection 707	Eastbound	Cars	Heavy	Total
			2	6	8
			0	0	0
	Vehicles Exiting Intersection 702		440	43	483
			66	1	67
			152	5	157



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 1642	Total Vehicles on Leg 3325
1062	14	1076			
72	0	72			
490	4	494		Vehicles Exiting Intersection 1683	
0	0	0			
18	38	56			

Cars	7	17	115	4082	526
Heavy	10	0	4	76	3
Total	17	17	119	4158	529
Northbound					
Vehicles Entering Intersection 4823			Vehicles Exiting Intersection 4490		
Total Vehicles On Leg			9313		

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 2026

	Southbound Heavy CSAH 23						Westbound Heavy Town Center Pkwy						Northbound Heavy CSAH 23						Eastbound Heavy Town Center Pkwy						VEHICLE TOTAL	
Time	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total		
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1:00 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	0	0	0	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	1	0	0	0	1	1	
2:15 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	
2:30 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	
2:45 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	
Hourly 'Heavy Vehicles'	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	2	
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	0	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	0	0	0	0	0	0	
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4:30 AM	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	4	
4:45 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	
Hourly 'Heavy Vehicles'	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	5	
5:00 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	
5:15 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	2	5	
5:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	
5:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	0	0	0	0	0	0	3	1	0	0	4	0	2	0	0	0	2	8
6:00 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	
6:15 AM	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	
6:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	4	
6:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3	
Hourly 'Heavy Vehicles'	0	0	4	3	0	7	0	0	0	1	0	1	0	0	2	0	0	0	2	0	1	0	1	0	2	12
7:00 AM	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	5	
7:15 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	2	5	
7:30 AM	0	0	1	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
7:45 AM	0	0	2	4	0	6	0	0	0	1	1	1	0	0	3	1	0	0	4	0	1	0	0	0	12	
Hourly 'Heavy Vehicles'	0	0	5	8	0	13	0	0	0	1	2	1	0	0	4	1	0	0	5	0	5	0	0	0	5	24

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes MN
Tuesday, July 28, 2026

Time	Southbound Heavy CSAH 23						Westbound Heavy Town Center Pkwy						Northbound Heavy CSAH 23						Eastbound Heavy Town Center Pkwy						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	3	0	0	4	0	0	0	0	0	0	0	0	3	0	0	3	0	3	0	0	0	3	10
8:15 AM	0	0	3	3	0	6	0	0	0	1	0	1	0	0	3	0	0	3	0	2	0	0	0	2	12
8:30 AM	0	3	1	0	0	4	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	1	7
8:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	4	8	3	0	15	0	0	0	2	0	2	0	0	8	0	0	8	0	6	0	0	0	6	31
9:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5
9:15 AM	0	2	4	0	0	6	0	0	0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	8
9:30 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
9:45 AM	0	0	3	0	1	3	0	2	0	0	1	2	0	0	1	0	0	1	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	3	10	0	1	13	0	2	0	0	3	2	0	0	7	0	0	7	0	0	0	0	0	0	22
10:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2
10:30 AM	0	1	2	1	0	4	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	6
10:45 AM	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0	0	1	3
Hourly 'Heavy Vehicles'	0	1	6	1	0	8	0	0	0	2	3	2	0	0	4	0	0	4	0	1	0	0	0	1	15
11:00 AM	0	0	1	0	0	1	0	0	0	2	0	2	0	0	3	0	0	3	0	0	0	0	0	0	6
11:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
11:30 AM	0	1	1	2	0	4	0	0	0	1	1	1	0	0	2	1	0	3	0	0	0	0	0	0	8
11:45 AM	0	0	1	2	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	1	0	3	6
Hourly 'Heavy Vehicles'	0	1	6	4	0	11	0	0	0	3	3	3	0	0	6	1	0	7	0	2	0	1	0	3	24
12:00 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3
12:15 PM	0	1	0	0	0	1	0	1	0	1	2	2	0	1	1	0	2	2	0	0	0	0	2	0	5
12:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	0	1	1	0	0	2	3
12:45 PM	0	0	0	2	0	2	0	0	0	1	2	1	0	0	2	0	0	2	0	0	0	0	0	0	5
Hourly 'Heavy Vehicles'	0	1	1	3	0	5	0	1	0	2	6	3	0	1	4	0	2	5	0	2	1	0	2	3	16
1:00 PM	0	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	5
1:15 PM	0	1	2	2	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	2	7
1:30 PM	0	1	0	0	0	1	0	0	0	1	0	1	0	1	1	0	0	2	0	2	0	0	0	2	6
1:45 PM	0	0	2	1	0	3	0	1	0	0	0	1	0	0	4	0	0	4	0	1	0	0	0	1	9
Hourly 'Heavy Vehicles'	0	3	4	5	0	12	0	1	0	1	1	2	0	1	5	0	0	6	0	6	0	1	1	7	27
2:00 PM	0	0	2	1	0	3	0	0	0	1	0	1	0	0	2	0	0	2	0	2	0	0	0	2	8
2:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	6
2:30 PM	0	0	2	0	0	2	0	0	0	0	1	0	0	0	5	0	0	5	0	0	0	0	0	0	7
2:45 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	0	10	1	0	11	0	0	0	1	1	1	0	0	13	0	0	13	0	2	0	0	0	2	27
3:00 PM	0	0	1	2	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	1	2	6
3:15 PM	0	1	2	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	6
3:30 PM	0	0	2	0	0	2	0	0	0	0	1	0	0	1	1	0	0	2	0	0	0	0	0	0	4
3:45 PM	0	0	1	2	0	3	0	0	0	1	0	1	0	0	2	0	0	2	0	1	0	0	0	1	7
Hourly 'Heavy Vehicles'	0	1	6	4	0	11	0	0	0	1	1	1	0	1	7	0	0	8	0	3	0	0	1	3	23

TMC 2661 - CSAH 23 @ Town Center Pkwy
Lino Lakes, MN
Tuesday, July 28, 2026

Time	Southbound Heavy CSAH 23						Westbound Heavy Town Center Pkwy						Northbound Heavy CSAH 23						Eastbound Heavy Town Center Pkwy						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	2	1	0	3	0	0	0	0	2	0	0	0	1	0	0	1	0	2	0	0	0	2	6
4:15 PM	0	0	2	0	0	2	0	0	0	0	2	0	0	0	1	0	4	1	0	1	0	0	1	1	4
4:30 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
4:45 PM	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	5	1	0	6	0	0	0	0	6	0	0	0	2	0	4	2	0	3	0	0	1	3	11
5:00 PM	0	0	1	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	5
5:45 PM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	1	3	0	4	0	0	0	0	3	0	0	0	4	0	0	4	0	0	0	1	0	1	9
6:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	2	4
6:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
6:45 PM	0	0	1	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	4
Hourly 'Heavy Vehicles'	0	0	3	2	0	5	0	0	0	0	1	0	0	0	1	0	0	1	0	4	0	0	1	4	10
7:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	2	1	0	1	0	0	0	1	3
7:15 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
7:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	0	0	2	0	0	0	4	0	2	4	0	1	0	0	0	1	7
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
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	0	0	1	0	1	0	0	0	0	2	0	0	0	1	0	2	1	0	1	0	1	0	2	4
8:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	1	1	0	2	0	0	0	0	2	0	0	1	1	0	2	2	0	1	0	1	0	2	6
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 PM	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00 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
10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
10:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	1
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	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAILY 'Heavy Vehicles'	0	14	72	47	1	133	0	4	0	14	38	18	0	4	76	3	10	83	0	43	1	5	6	49	283

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2661

Study Date : 08/17/2026

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 23

Number of Lanes : 2+

Total Approach Volume: 4,823

Southbound: CSAH 23

Number of Lanes :2+

Total Approach Volume: 5,434

Minor Street Approaches

Eastbound: Town Center Pkwy

Number of Lanes :2+

Total Approach Volume: 550

Westbound: Town Center Pkwy

Number of Lanes :2+

Total Approach Volume: 566

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 0 hours, 8 are needed

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

Required volumes reached for 5 hours, 8 are needed

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

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

Required 1B volumes reached for 12 hours, 8 are needed

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

Number of hours (0) 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 2661

Study Date : 08/17/2026

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

Site Data Required

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

Volume Requirements

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

Veh/Hr Minor = **84**

Major Road						Minor Road		
CSAH 23						Town Center Pkwy		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	463	+	486	=	949	50	49	No
15:15 - 16:15	461	+	486	=	947	52	46	No
15:30 - 16:30	464	+	477	=	941	58	48	No
16:00 - 17:00	460	+	474	=	934	53	48	No
16:30 - 17:30	454	+	463	=	917	39	57	No
15:00 - 16:00	427	+	483	=	910	38	49	No
16:15 - 17:15	446	+	457	=	903	45	59	No
16:45 - 17:45	456	+	426	=	882	38	55	No
14:45 - 15:45	402	+	447	=	849	36	49	No
14:30 - 15:30	388	+	437	=	825	28	42	No
17:00 - 18:00	418	+	375	=	793	35	53	No
14:15 - 15:15	348	+	407	=	755	28	38	No
17:15 - 18:15	390	+	356	=	746	32	42	No
07:30 - 08:30	326	+	402	=	728	40	35	No
14:00 - 15:00	331	+	387	=	718	35	33	No
17:30 - 18:30	359	+	345	=	704	31	37	No
07:15 - 08:15	313	+	385	=	698	43	34	No
08:15 - 09:15	324	+	363	=	687	30	50	No
07:45 - 08:45	294	+	393	=	687	38	42	No
13:45 - 14:45	309	+	359	=	668	36	30	No
08:00 - 09:00	290	+	376	=	666	30	37	No
08:30 - 09:30	314	+	347	=	661	38	52	No
11:15 - 12:15	322	+	336	=	658	30	35	No
07:00 - 08:00	313	+	345	=	658	42	31	No
12:30 - 13:30	322		332		654	28	35	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2661

Study Date : 08/17/2026

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

Volume Requirements

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

Veh/Hr Minor = **42**

Major Road						Minor Road		
CSAH 23						Town Center Pkwy		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:30 - 16:30	464	+	477	=	941	58	48	Yes
16:30 - 17:30	454	+	463	=	917	39	57	Yes
14:30 - 15:30	388	+	437	=	825	28	42	Yes
08:15 - 09:15	324	+	363	=	687	30	50	Yes
07:00 - 08:00	313	+	345	=	658	42	31	Yes
14:15 - 15:15	348	+	407	=	755	28	38	No
14:00 - 15:00	331	+	387	=	718	35	33	No
17:30 - 18:30	359	+	345	=	704	31	37	No
13:45 - 14:45	309	+	359	=	668	36	30	No
08:00 - 09:00	290	+	376	=	666	30	37	No
11:15 - 12:15	322	+	336	=	658	30	35	No
12:30 - 13:30	322	+	332	=	654	28	35	No
11:00 - 12:00	318	+	336	=	654	32	24	No
13:15 - 14:15	305	+	346	=	651	34	28	No
11:30 - 12:30	331	+	317	=	648	31	35	No
10:45 - 11:45	309	+	338	=	647	37	28	No
17:45 - 18:45	311	+	333	=	644	33	29	No
11:45 - 12:45	322	+	321	=	643	26	33	No
12:45 - 13:45	308	+	333	=	641	29	34	No
12:00 - 13:00	322	+	317	=	639	28	37	No
18:00 - 19:00	300	+	337	=	637	27	28	No
13:00 - 14:00	295	+	337	=	632	32	36	No
12:15 - 13:15	313	+	317	=	630	31	32	No
10:30 - 11:30	278	+	334	=	612	29	30	No
13:30 - 14:30	274		330		604	36	27	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2661

Study Date : 08/17/2026

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

Site Data Required

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

Volume Requirements

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

Veh/Hr Minor = **67 34**

Major Road						Minor Road				
CSAH 23						Town Center Pkwy				
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?		
15:45 - 16:45	463	+	486	=	949	50	49	No		
15:15 - 16:15	461	+	486	=	947	52	46	No		
15:30 - 16:30	464	+	477	=	941	58	48	No		
16:00 - 17:00	460	+	474	=	934	53	48	No		
16:30 - 17:30	454	+	463	=	917	39	57	No		
15:00 - 16:00	427	+	483	=	910	38	49	No		
16:15 - 17:15	446	+	457	=	903	45	59	No		
16:45 - 17:45	456	+	426	=	882	38	55	No		
14:45 - 15:45	402	+	447	=	849	36	49	No		
14:30 - 15:30	388	+	437	=	825	28	42	No		
17:00 - 18:00	418	+	375	=	793	35	53	No		
14:15 - 15:15	348		407		755	28	38	No		

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?	
15:30 - 16:30	464	+	477	=	941	58	48	Yes	
16:30 - 17:30	454	+	463	=	917	39	57	Yes	
14:30 - 15:30	388	+	437	=	825	28	42	Yes	
17:30 - 18:30	359	+	345	=	704	31	37	Yes	
08:00 - 09:00	290	+	376	=	666	30	37	Yes	
07:00 - 08:00	313	+	345	=	658	42	31	Yes	
11:15 - 12:15	322	+	336	=	658	30	35	Yes	
12:30 - 13:30	322	+	332	=	654	28	35	Yes	
09:00 - 10:00	294	+	317	=	611	32	51	Yes	
13:30 - 14:30	274	+	330	=	604	36	27	Yes	
10:00 - 11:00	257	+	277	=	534	25	36	Yes	
18:45 - 19:45	221	+	283	=	504	28	37	Yes	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2661

Study Date : 08/17/2026

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.

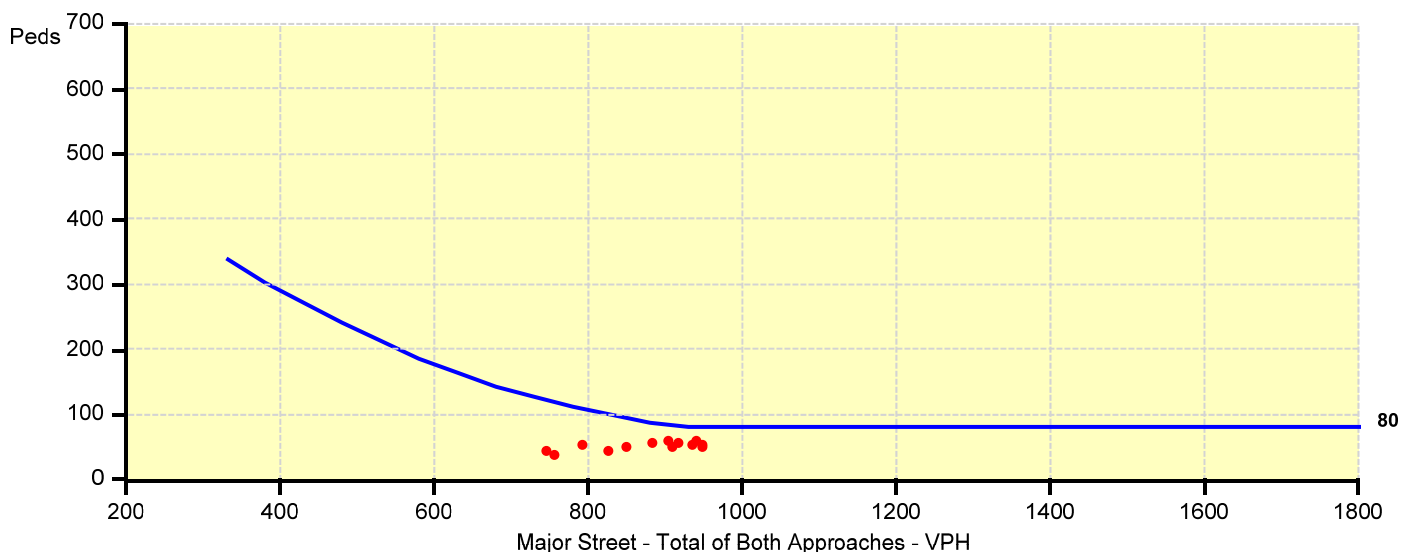
Summary

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

Site Data Required

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

Major Road CSAH 23						Minor Road Town Center Pkwy		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	463	+	486	=	949	50	49	No
15:15 - 16:15	461	+	486	=	947	52	46	No
15:30 - 16:30	464	+	477	=	941	58	48	No
16:00 - 17:00	460	+	474	=	934	53	48	No
16:30 - 17:30	454	+	463	=	917	39	57	No
15:00 - 16:00	427	+	483	=	910	38	49	No
16:15 - 17:15	446	+	457	=	903	45	59	No
16:45 - 17:45	456	+	426	=	882	38	55	No
14:45 - 15:45	402	+	447	=	849	36	49	No
14:30 - 15:30	388	+	437	=	825	28	42	No
17:00 - 18:00	418	+	375	=	793	35	53	No
14:15 - 15:15	348	+	407	=	755	28	38	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2661

Study Date : 08/17/2026

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

Major Road						Minor Road		
CSAH 23						Town Center Pkwy		
Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met?
15:45 - 16:45	463	+	486	=	949	50	49	No
15:15 - 16:15	461	+	486	=	947	52	46	No
15:30 - 16:30	464	+	477	=	941	58	48	No
16:00 - 17:00	460	+	474	=	934	53	48	No
16:30 - 17:30	454	+	463	=	917	39	57	No
15:00 - 16:00	427	+	483	=	910	38	49	No
16:15 - 17:15	446	+	457	=	903	45	59	No
16:45 - 17:45	456	+	426	=	882	38	55	No
14:45 - 15:45	402	+	447	=	849	36	49	No
14:30 - 15:30	388	+	437	=	825	28	42	No
17:00 - 18:00	418	+	375	=	793	35	53	No
14:15 - 15:15	348	+	407	=	755	28	38	No

