

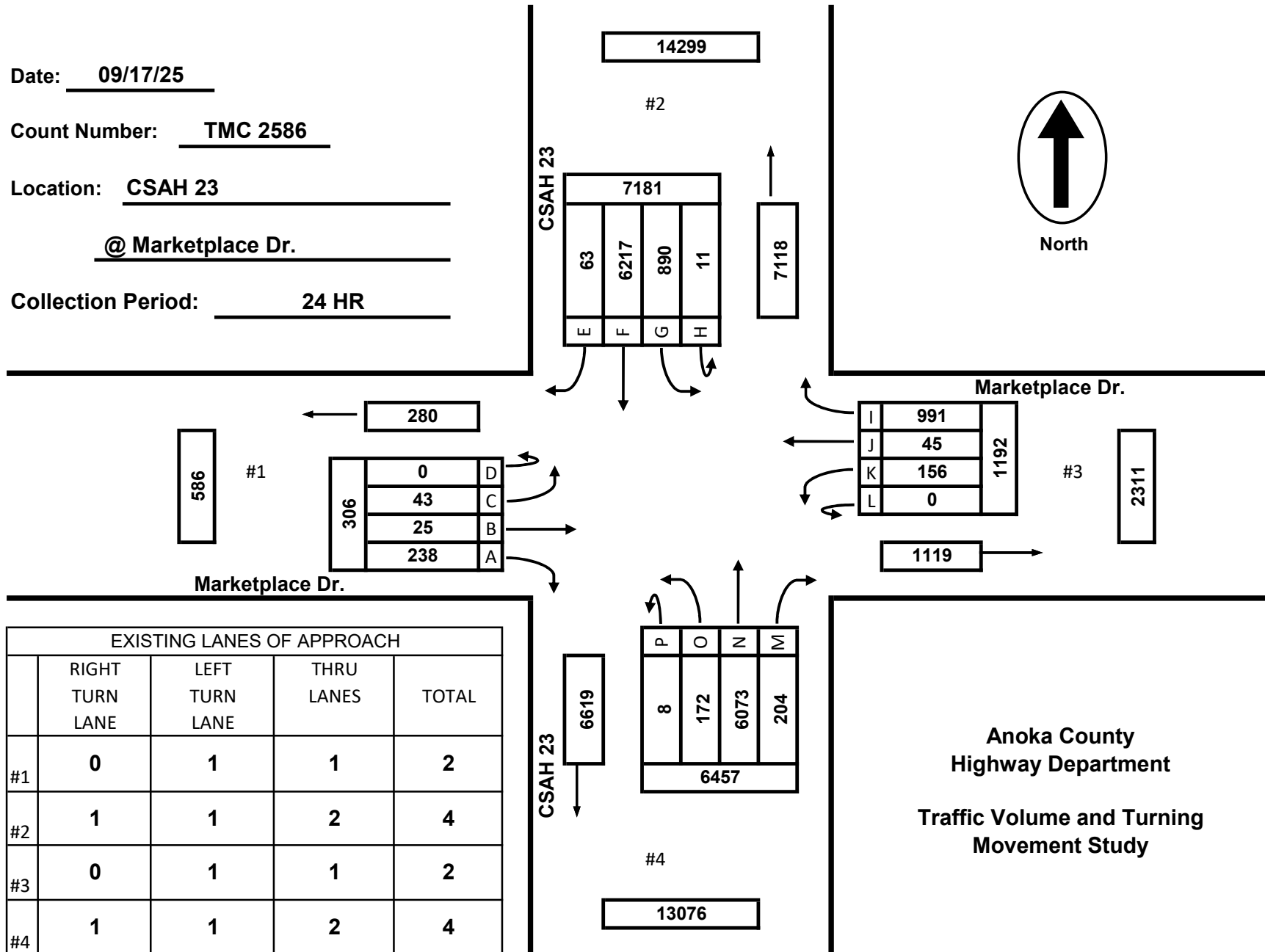
Date: 09/17/25

Count Number: TMC 2586

Location: CSAH 23

@ Marketplace Dr.

Collection Period: 24 HR



Date: 09/17/25

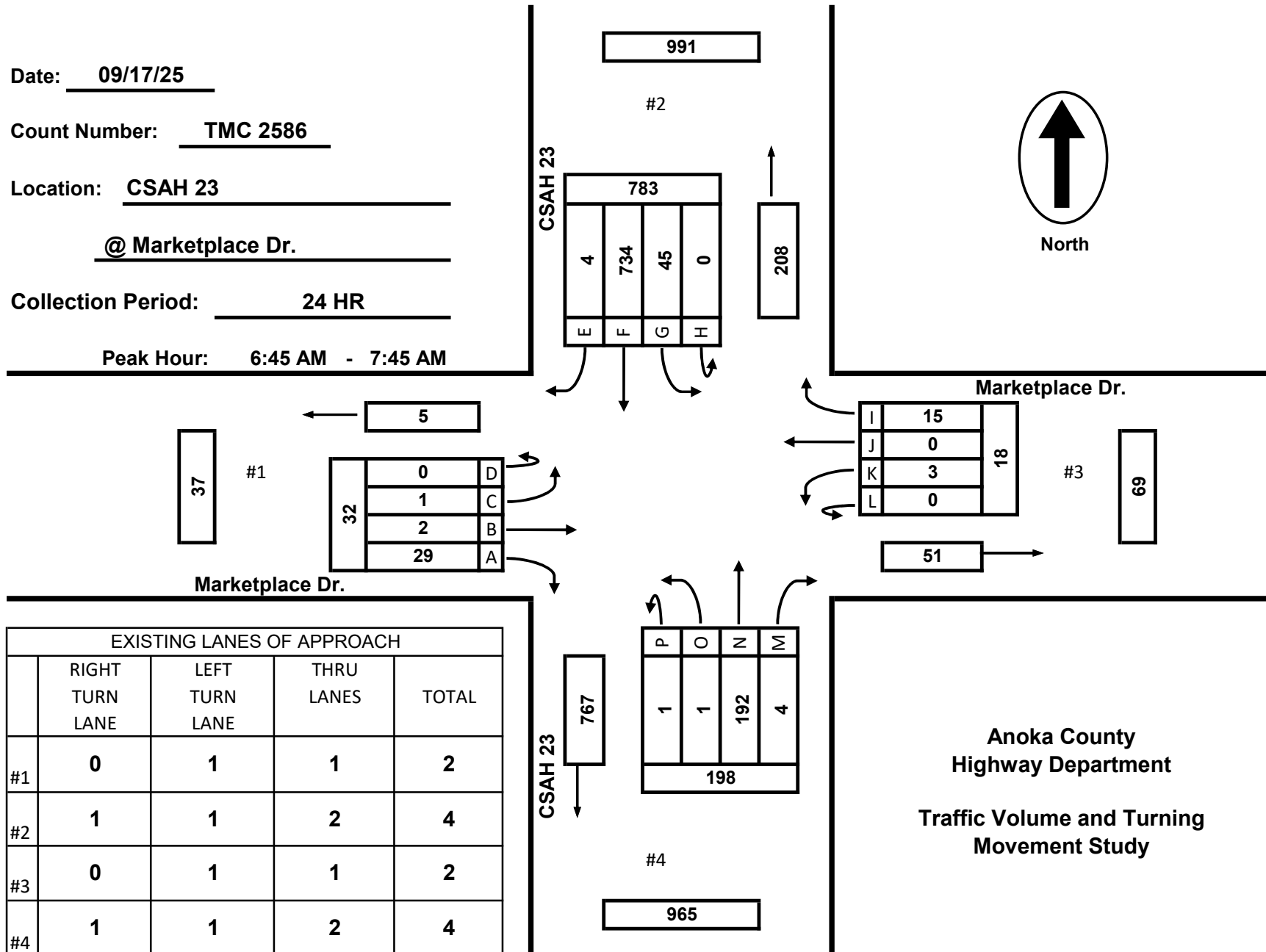
Count Number: TMC 2586

Location: CSAH 23

@ Marketplace Dr.

Collection Period: 24 HR

Peak Hour: 6:45 AM - 7:45 AM



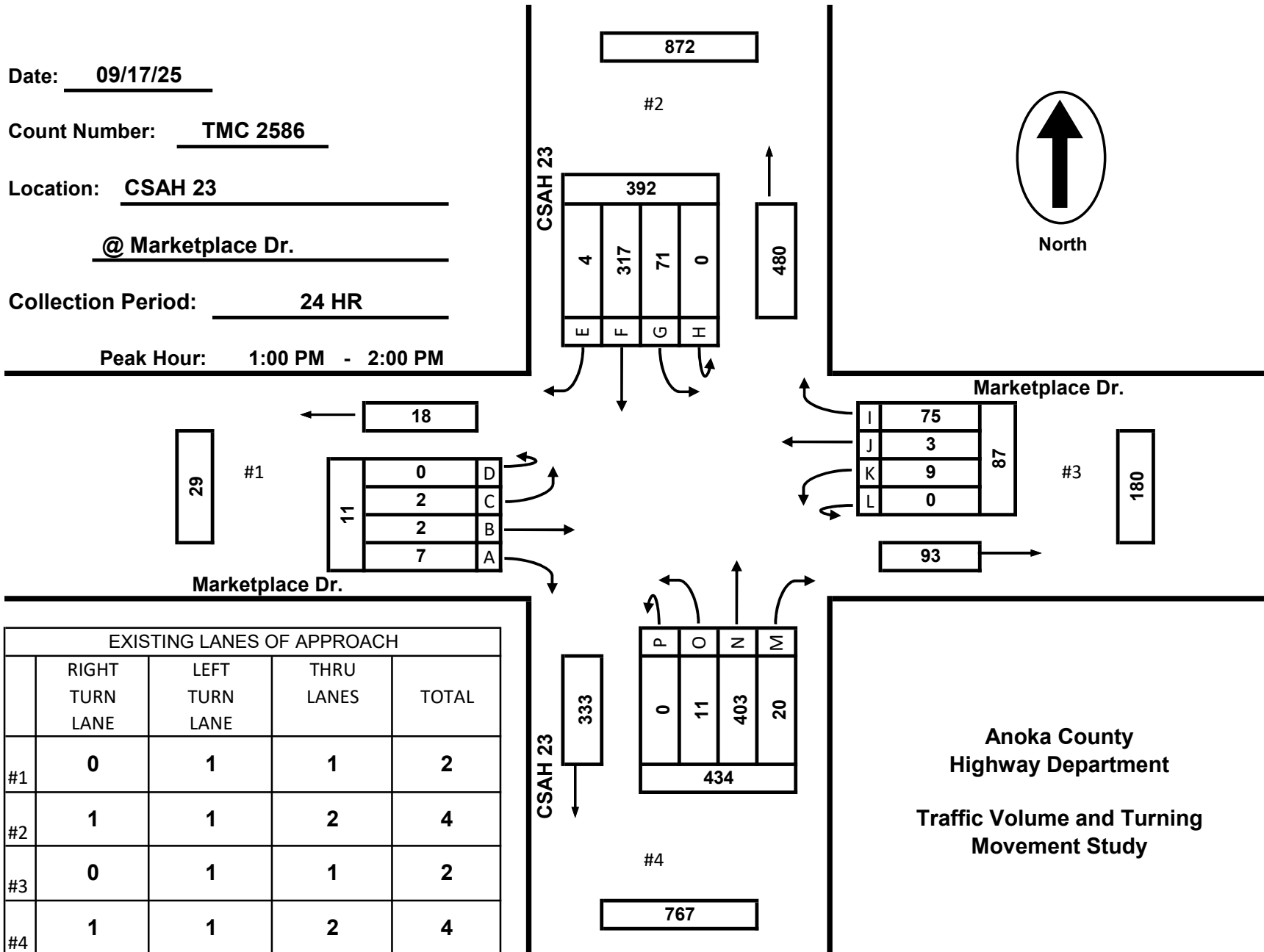
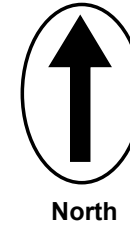
Date: 09/17/25

Count Number: TMC 2586

Location: CSAH 23
@ Marketplace Dr.

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

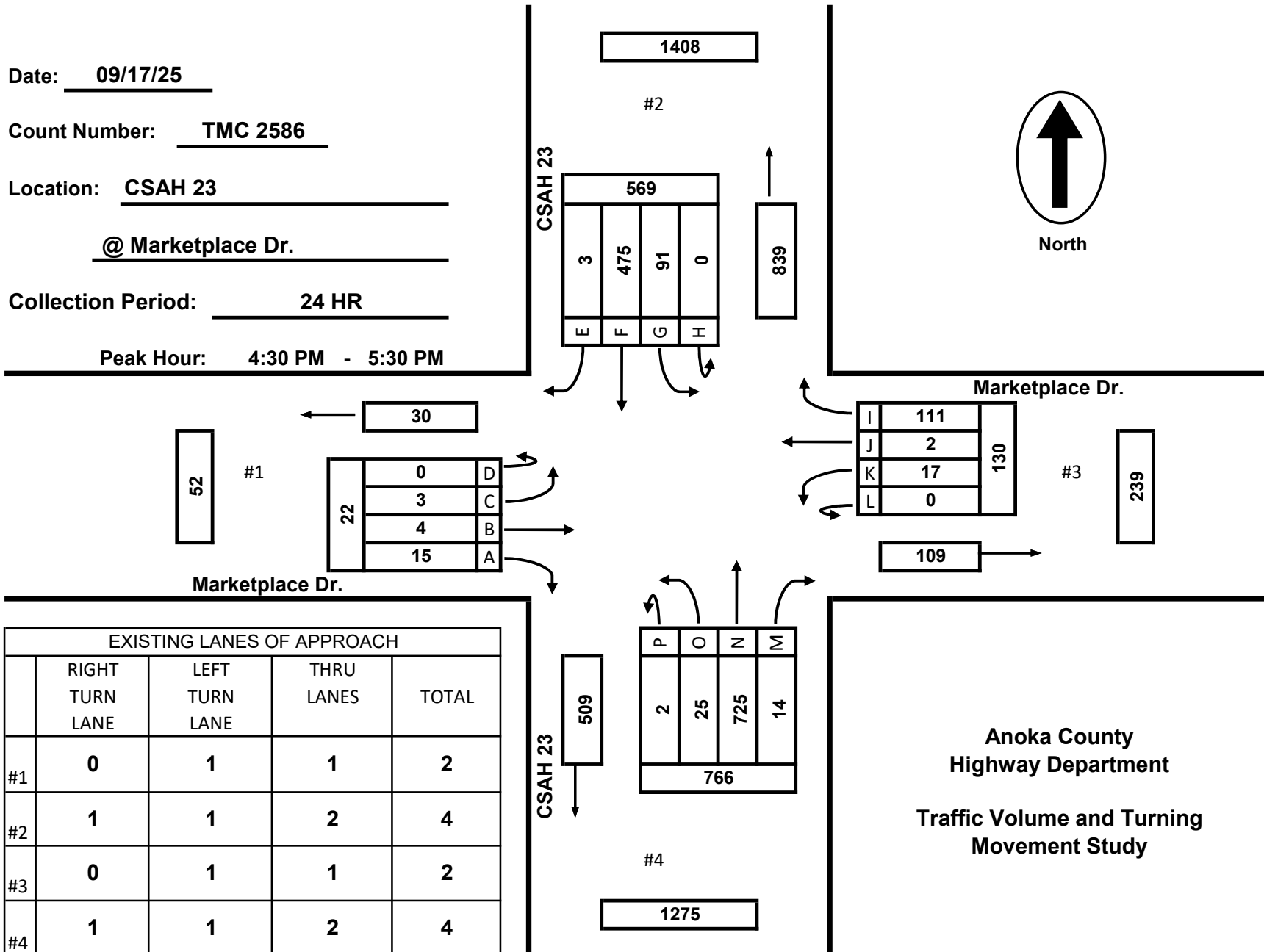
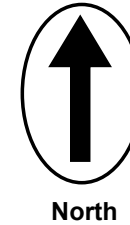
Date: 09/17/25

Count Number: TMC 2586

Location: CSAH 23
@ Marketplace Dr.

Collection Period: 24 HR

Peak Hour: 4:30 PM - 5:30 PM



**TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025**

Time	Southbound CSAH 23						Westbound Marketplace Dr.						Northbound CSAH 23						Eastbound Marketplace Dr.						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	5	0	0	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10
12:15 AM	1	0	5	0	0	6	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	1	0	1	15
12:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	7
Hourly Total	1	0	16	0	0	17	0	0	0	0	0	0	0	0	20	0	0	20	0	0	0	1	0	1	38
1:00 AM	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
1:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	7
1:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	5
1:45 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
Hourly Total	0	0	10	0	0	10	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	23
2:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	9
2:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	6
2:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
2:45 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	6
Hourly Total	0	0	9	0	0	9	0	0	0	0	0	0	0	1	13	1	0	15	0	0	0	0	0	0	24
3:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4
3:15 AM	0	0	3	0	0	3	0	1	0	0	0	1	0	0	3	0	0	3	0	0	0	1	0	1	8
3:30 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	7
3:45 AM	0	0	8	1	0	9	0	0	0	1	0	1	0	1	2	1	0	4	0	0	0	0	0	0	14
Hourly Total	0	0	19	1	0	20	0	1	0	1	0	2	0	1	8	1	0	10	0	0	0	1	0	1	33
4:00 AM	0	1	7	0	0	8	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	11
4:15 AM	0	1	13	0	0	14	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	2	0	2	21
4:30 AM	0	0	27	0	0	27	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	29
4:45 AM	0	1	32	0	0	33	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	2	0	2	41
Hourly Total	0	3	79	0	0	82	0	1	0	0	0	1	0	0	14	0	0	14	0	0	0	5	0	5	102
5:00 AM	0	1	45	0	0	46	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	5	0	5	62
5:15 AM	0	2	52	0	0	54	0	0	0	0	0	0	0	0	17	0	0	17	0	1	0	4	0	5	76
5:30 AM	0	2	85	0	0	87	0	0	0	0	0	0	0	0	23	0	0	23	0	0	0	2	0	2	112
5:45 AM	0	4	75	0	0	79	0	0	0	1	0	1	0	0	19	0	0	19	0	0	0	5	0	5	104
Hourly Total	0	9	257	0	0	266	0	0	0	1	0	1	0	0	70	0	0	70	0	1	0	16	0	17	354
6:00 AM	0	1	96	0	0	97	0	0	0	2	0	2	0	2	28	0	0	30	0	0	0	2	0	2	131
6:15 AM	0	0	111	0	0	111	0	0	0	1	0	1	0	0	22	2	0	24	0	0	0	4	0	4	140
6:30 AM	0	1	132	0	0	133	0	0	0	0	0	0	0	0	32	2	0	34	0	1	0	7	0	8	175
6:45 AM	0	14	152	0	0	166	0	1	0	6	1	7	1	0	54	0	0	55	0	0	0	8	0	8	236
Hourly Total	0	16	491	0	0	507	0	1	0	9	1	10	1	2	136	4	0	143	0	1	0	21	0	22	682
7:00 AM	0	14	217	2	0	233	0	2	0	3	0	5	0	0	38	0	0	38	0	0	0	7	0	7	283
7:15 AM	0	9	185	1	0	195	0	0	0	1	0	1	0	0	53	3	0	56	0	0	1	6	0	7	259
7:30 AM	0	8	180	1	0	189	0	0	0	5	0	5	0	1	47	1	0	49	0	1	1	8	0	10	253
7:45 AM	0	13	129	0	0	142	0	1	0	6	0	7	0	2	73	3	0	78	0	2	0	5	0	7	234
Hourly Total	0	44	711	4	0	759	0	3	0	15	0	18	0	3	211	7	0	221	0	3	2	26	0	31	1029

**TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025**

Time	Southbound CSAH 23						Westbound Marketplace Dr.						Northbound CSAH 23						Eastbound Marketplace Dr.						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	14	117	1	0	132	0	1	0	4	0	5	0	1	62	0	0	63	0	1	0	5	0	6	206
8:15 AM	0	11	119	0	0	130	0	0	0	7	0	7	1	1	65	2	0	69	0	0	1	6	0	7	213
8:30 AM	0	10	106	0	0	116	0	1	0	10	0	11	0	1	51	4	0	56	0	0	0	7	0	7	190
8:45 AM	0	14	119	0	0	133	0	1	0	8	0	9	1	2	73	2	0	78	0	1	0	12	1	13	233
Hourly Total	0	49	461	1	0	511	0	3	0	29	0	32	2	5	251	8	0	266	0	2	1	30	1	33	842
9:00 AM	0	13	118	0	0	131	0	0	0	8	0	8	0	0	54	4	0	58	0	1	0	9	0	10	207
9:15 AM	0	11	80	0	0	91	0	1	0	9	0	10	0	2	69	3	0	74	0	0	2	0	0	2	177
9:30 AM	0	17	86	0	0	103	0	2	1	8	0	11	0	2	82	2	0	86	0	1	0	4	0	5	205
9:45 AM	1	15	79	0	0	95	0	2	0	13	0	15	0	1	66	1	0	68	0	0	1	5	0	6	184
Hourly Total	1	56	363	0	0	420	0	5	1	38	0	44	0	5	271	10	0	286	0	2	3	18	0	23	773
10:00 AM	0	22	90	2	0	114	0	1	1	13	0	15	0	3	54	8	0	65	0	1	0	5	0	6	200
10:15 AM	1	8	84	0	0	93	0	5	0	18	0	23	0	2	69	10	0	81	0	0	0	2	0	2	199
10:30 AM	0	12	70	1	0	83	0	4	0	9	0	13	0	1	66	6	0	73	0	1	0	2	0	3	172
10:45 AM	0	19	80	1	0	100	0	2	2	17	0	21	1	3	67	4	0	75	0	3	0	3	0	6	202
Hourly Total	1	61	324	4	0	390	0	12	3	57	0	72	1	9	256	28	0	294	0	5	0	12	0	17	773
11:00 AM	0	15	62	0	0	77	0	0	0	12	0	12	0	1	89	2	0	92	0	0	0	1	0	1	182
11:15 AM	1	17	84	0	0	102	0	4	0	16	0	20	0	3	77	0	0	80	0	0	1	2	0	3	205
11:30 AM	0	27	96	2	0	125	0	3	2	17	0	22	1	1	105	4	0	111	0	0	0	3	0	3	261
11:45 AM	0	19	77	2	0	98	0	0	1	20	0	21	1	0	87	3	0	91	0	2	0	3	0	5	215
Hourly Total	1	78	319	4	0	402	0	7	3	65	0	75	2	5	358	9	0	374	0	2	1	9	0	12	863
12:00 PM	0	23	73	0	0	96	0	7	0	21	0	28	0	1	68	5	0	74	0	0	1	1	0	2	200
12:15 PM	0	23	79	1	0	103	0	2	1	20	0	23	0	4	82	1	0	87	0	1	1	0	0	2	215
12:30 PM	2	15	83	0	0	100	0	1	1	19	0	21	0	1	88	5	0	94	0	0	1	2	0	3	218
12:45 PM	0	16	91	0	0	107	0	2	0	22	0	24	0	1	79	5	0	85	0	0	0	2	0	2	218
Hourly Total	2	77	326	1	0	406	0	12	2	82	0	96	0	7	317	16	0	340	0	1	3	5	0	9	851
1:00 PM	0	12	84	0	0	96	0	3	1	22	0	26	0	3	98	3	0	104	0	0	1	1	0	2	228
1:15 PM	0	16	64	1	0	81	0	2	1	12	0	15	0	3	108	2	0	113	0	0	1	0	0	1	210
1:30 PM	0	22	81	1	0	104	0	1	1	18	0	20	0	1	97	10	0	108	0	0	0	5	0	5	237
1:45 PM	0	21	88	2	0	111	0	3	0	23	0	26	0	4	100	5	0	109	0	2	0	1	0	3	249
Hourly Total	0	71	317	4	0	392	0	9	3	75	0	87	0	11	403	20	0	434	0	2	2	7	0	11	924
2:00 PM	0	12	80	0	0	92	0	4	1	22	0	27	0	3	94	5	0	102	0	2	0	4	0	6	227
2:15 PM	0	15	86	1	0	102	0	6	0	17	0	23	0	8	120	4	0	132	0	2	0	5	0	7	264
2:30 PM	0	15	79	0	0	94	0	3	0	20	0	23	0	3	140	5	0	148	0	1	1	4	0	6	271
2:45 PM	0	14	92	2	1	108	0	8	2	21	0	31	0	6	131	6	0	143	0	0	1	3	0	4	286
Hourly Total	0	56	337	3	1	396	0	21	3	80	0	104	0	20	485	20	0	525	0	5	2	16	0	23	1048
3:00 PM	0	11	81	0	0	92	0	4	2	19	0	25	0	3	149	3	0	155	0	2	0	3	0	5	277
3:15 PM	1	14	97	0	0	112	0	5	0	22	0	27	0	7	171	5	0	183	0	0	0	4	0	4	326
3:30 PM	0	10	138	6	5	154	0	2	2	27	5	31	0	3	164	4	0	171	0	0	1	5	0	6	362
3:45 PM	0	20	104	0	0	124	0	6	3	19	0	28	0	6	177	5	0	188	0	1	2	2	0	5	345
Hourly Total	1	55	420	6	5	482	0	17	7	87	5	111	0	19	661	17	0	697	0	3	3	14	0	20	1310

**TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025**

Time	Southbound CSAH 23						Westbound Marketplace Dr.						Northbound CSAH 23						Eastbound Marketplace Dr.						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	18	120	3	0	141	0	4	1	25	0	30	0	5	192	3	0	200	0	1	0	1	0	2	373
4:15 PM	1	21	110	3	0	135	0	3	2	20	0	25	0	5	185	4	0	194	0	1	0	3	1	4	358
4:30 PM	0	29	122	0	1	151	0	4	0	23	0	27	1	6	195	5	0	207	0	1	1	2	0	4	389
4:45 PM	0	18	106	2	1	126	0	6	0	24	0	30	0	5	174	2	0	181	0	0	1	4	0	5	342
Hourly Total	1	86	458	8	2	553	0	17	3	92	0	112	1	21	746	14	0	782	0	3	2	10	1	15	1462
5:00 PM	0	17	105	0	0	122	0	4	1	36	0	41	1	6	193	2	0	202	0	0	1	6	0	7	372
5:15 PM	0	27	142	1	0	170	0	3	1	28	0	32	0	8	163	5	0	176	0	2	1	3	0	6	384
5:30 PM	0	23	99	2	1	124	0	1	1	27	0	29	0	3	159	5	0	167	0	2	0	5	0	7	327
5:45 PM	0	13	94	3	0	110	0	8	2	21	0	31	0	4	135	4	0	143	0	2	1	4	0	7	291
Hourly Total	0	80	440	6	1	526	0	16	5	112	0	133	1	21	650	16	0	688	0	6	3	18	0	27	1374
6:00 PM	1	15	84	0	1	100	0	2	3	19	0	24	0	3	115	4	0	122	0	0	0	2	0	2	248
6:15 PM	0	18	79	3	0	100	0	5	2	23	0	30	0	4	104	3	0	111	0	0	1	2	0	3	244
6:30 PM	1	13	79	1	6	94	0	3	0	20	0	23	0	5	86	1	0	92	0	1	0	3	0	4	213
6:45 PM	0	11	77	1	1	89	0	1	0	12	0	13	0	1	83	4	0	88	0	2	1	3	0	6	196
Hourly Total	2	57	319	5	8	383	0	11	5	74	0	90	0	13	388	12	0	413	0	3	2	10	0	15	901
7:00 PM	1	18	73	2	0	94	0	5	1	18	0	24	0	2	83	6	0	91	0	2	0	7	0	9	218
7:15 PM	0	12	56	1	0	69	0	2	2	23	0	27	0	2	90	0	0	92	0	0	0	1	0	1	189
7:30 PM	0	11	54	1	0	66	0	2	1	17	0	20	0	4	93	2	0	99	0	0	1	3	0	4	189
7:45 PM	0	10	42	1	0	53	0	1	2	18	0	21	0	1	69	2	0	72	0	0	0	1	0	1	147
Hourly Total	1	51	225	5	0	282	0	10	6	76	0	92	0	9	335	10	0	354	0	2	1	12	0	15	743
8:00 PM	0	13	56	1	0	70	0	1	0	19	0	20	0	0	58	1	0	59	0	0	0	1	0	1	150
8:15 PM	0	6	39	0	0	45	0	1	0	13	0	14	0	3	60	0	0	63	0	0	0	1	0	1	123
8:30 PM	0	6	35	2	0	43	0	2	0	13	0	15	0	5	58	0	0	63	0	1	0	1	0	2	123
8:45 PM	0	4	31	2	0	37	0	0	0	11	0	11	0	2	43	2	0	47	0	0	0	0	0	0	95
Hourly Total	0	29	161	5	0	195	0	4	0	56	0	60	0	10	219	3	0	232	0	1	0	3	0	4	491
9:00 PM	0	4	34	0	0	38	0	0	1	8	0	9	0	2	49	1	0	52	0	0	0	0	0	0	99
9:15 PM	0	2	22	2	0	26	0	1	0	6	0	7	0	4	41	0	0	45	0	0	0	2	0	2	80
9:30 PM	0	3	26	1	0	30	0	0	1	8	0	9	0	1	28	1	0	30	0	0	0	0	0	0	69
9:45 PM	0	0	19	1	0	20	0	1	1	10	0	12	0	0	27	1	0	28	0	0	0	0	0	0	60
Hourly Total	0	9	101	4	0	114	0	2	3	32	0	37	0	7	145	3	0	155	0	0	0	2	0	2	308
10:00 PM	0	1	18	2	0	21	0	0	0	2	0	2	0	0	28	3	0	31	0	0	0	0	0	0	54
10:15 PM	0	1	9	0	0	10	0	1	0	2	0	3	0	0	13	1	0	14	0	0	0	1	0	1	28
10:30 PM	0	1	7	0	0	8	0	3	1	2	0	6	0	0	11	1	0	12	0	1	0	0	0	1	27
10:45 PM	0	0	8	0	0	8	0	0	0	1	0	1	0	2	12	0	0	14	0	0	0	0	0	0	23
Hourly Total	0	3	42	2	0	47	0	4	1	7	0	12	0	2	64	5	0	71	0	1	0	1	0	2	132
11:00 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	6	0	0	7	0	0	0	1	0	1	11
11:15 PM	0	0	6	0	0	6	0	0	0	1	0	1	0	0	8	0	0	8	0	0	0	0	0	0	15
11:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	13
11:45 PM	0	0	2	0	0	2	0	0	0	2	0	2	0	0	13	0	0	13	0	0	0	0	0	0	17
Hourly Total	0	0	12	0	0	12	0	0	0	3	0	3	0	1	39	0	0	40	0	0	0	1	0	1	56
DAILY TOTAL	11	890	6217	63	17	7181	0	156	45	991	6	1192	8	172	6073	204	0	6457	0	43	25	238	2	306	15136
Cars	11	886	5837	63	12	6797	0	151	45	986	5	1182	8	170	5731	201	0	6110	0	41	25	232	1	298	14387
Heavy Vehicles	0	4	380	0	5	384	0	5	0	5	1	10	0	2	342	3	0	347	0	2	0	6	1	8	749
Heavy Vehicle %	0.00%	0.45%	6.11%	0.00%	29.41%	5.35%	0.00%	3.21%	0.00%	0.50%	16.67%	0.84%	0.00%	1.16%	5.63%	1.47%	0.00%	5.37%	0.00%	4.65%	0.00%	2.52%	50.00%	2.61%	4.95%

TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025
AM Peak Hour (00:00 to 10:00)

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
6:45 AM	0	14	152	0	0	166	0	1	0	6	1	7	1	0	54	0	0	55	0	0	0	8	0	8	236
7:00 AM	0	14	217	2	0	233	0	2	0	3	0	5	0	0	38	0	0	38	0	0	0	7	0	7	283
7:15 AM	0	9	185	1	0	195	0	0	0	1	0	1	0	0	53	3	0	56	0	0	1	6	0	7	259
7:30 AM	0	8	180	1	0	189	0	0	0	5	0	5	0	1	47	1	0	49	0	1	1	8	0	10	253
Peak Hour Total	0	45	734	4	0	783	0	3	0	15	1	18	1	1	192	4	0	198	0	1	2	29	0	32	1031
Peak Hour Heavy Vehicles	0	1	41	0	0	42	0	0	0	0	1	0	0	0	15	0	0	15	0	0	0	1	0	1	58
Peak Hour Heavy Vehicles % PHF	0.00%	2.22%	5.59%	0.00%	0.00%	5.36%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	7.81%	0.00%	0.00%	7.58%	0.00%	0.00%	0.00%	3.45%	0.00%	3.13%	5.63%
	0.000	0.804	0.846	0.500	0.000	0.840	0.000	0.375	0.000	0.625	0.250	0.643	0.250	0.250	0.889	0.333	0.000	0.884	0.000	0.250	0.500	0.906	0.000	0.800	0.911

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
1:00 PM	0	12	84	0	0	96	0	3	1	22	0	26	0	3	98	3	0	104	0	0	1	1	0	2	228
1:15 PM	0	16	64	1	0	81	0	2	1	12	0	15	0	3	108	2	0	113	0	0	1	0	0	1	210
1:30 PM	0	22	81	1	0	104	0	1	1	18	0	20	0	1	97	10	0	108	0	0	0	5	0	5	237
1:45 PM	0	21	88	2	0	111	0	3	0	23	0	26	0	4	100	5	0	109	0	2	0	1	0	3	249
Peak Hour Total	0	71	317	4	0	392	0	9	3	75	0	87	0	11	403	20	0	434	0	2	2	7	0	11	924
Peak Hour Heavy Vehicles	0	0	31	0	0	31	0	2	0	1	0	3	0	1	25	0	0	26	0	1	0	1	0	2	62
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	9.78%	0.00%	0.00%	7.91%	0.00%	22.22%	0.00%	1.33%	0.00%	3.45%	0.00%	9.09%	6.20%	0.00%	0.00%	5.99%	0.00%	50.00%	0.00%	14.29%	0.00%	18.18%	6.71%
	0.000	0.807	0.901	0.500	0.000	0.883	0.000	0.750	0.750	0.815	0.000	0.837	0.000	0.688	0.933	0.500	0.000	0.960	0.000	0.250	0.500	0.350	0.000	0.550	0.928

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

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:30 PM	0	29	122	0	1	151	0	4	0	23	0	27	1	6	195	5	0	207	0	1	1	2	0	4	389
4:45 PM	0	18	106	2	1	126	0	6	0	24	0	30	0	5	174	2	0	181	0	0	1	4	0	5	342
5:00 PM	0	17	105	0	0	122	0	4	1	36	0	41	1	6	193	2	0	202	0	0	1	6	0	7	372
5:15 PM	0	27	142	1	0	170	0	3	1	28	0	32	0	8	163	5	0	176	0	2	1	3	0	6	384
Peak Hour Total	0	91	475	3	2	569	0	17	2	111	0	130	2	25	725	14	0	766	0	3	4	15	0	22	1487
Peak Hour Heavy Vehicles	0	1	17	0	2	18	0	0	0	0	0	0	0	0	33	0	2	33	0	0	0	1	0	1	52
Peak Hour Heavy Vehicles % PHF	0.00%	1.10%	3.58%	0.00%	100.00%	3.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.55%	0.00%	0.00%	4.31%	0.00%	0.00%	0.00%	6.67%	0.00%	4.55%	3.50%
	0.000	0.784	0.836	0.375	0.500	0.837	0.000	0.708	0.500	0.771	0.000	0.793	0.500	0.781	0.929	0.700	0.000	0.925	0.000	0.375	1.000	0.625	0.000	0.786	0.956

Total Vehicles On Leg			14299		
Vehicles Entering Intersection 7181			Vehicles Exiting Intersection 7118		
Southbound					
Cars	63	5837	886	11	12
Heavy	0	380	4	0	5
Total	63	6217	890	11	17



Total Vehicles on Leg 586	Vehicles Entering Intersection 306	Eastbound	Cars	Heavy	Total
	Vehicles Exiting Intersection 280		1	1	2
			0	0	0
			41	2	43
			25	0	25
			232	6	238



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 1192	Total Vehicles on Leg 2311
986	5	991			
45	0	45			
151	5	156			
0	0	0			
5	1	6		Vehicles Exiting Intersection 1119	



Cars	0	8	170	5731	201
Heavy	0	0	2	342	3
Total	0	8	172	6073	204
Northbound					
Vehicles Entering Intersection 6457			Vehicles Exiting Intersection 6619		
Total Vehicles On Leg			13076		



TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound Heavy CSAH 23						Westbound Heavy Marketplace Dr.						Northbound Heavy CSAH 23						Eastbound Heavy Marketplace Dr.						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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2	
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	1	0	0	0	1	0	0	0	0	0	1	
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	3	
1:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2	
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	1	0	0	0	1	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	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	3
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3:15 AM	0	0	1	0	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
4:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
4:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Hourly 'Heavy Vehicles'	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
5:00 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	7	
5:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6	
5:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
5:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6	
Hourly 'Heavy Vehicles'	0	0	18	0	0	18	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	23	
6:00 AM	0	0	5	0	0	5	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	8	
6:15 AM	0	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
6:30 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
6:45 AM	0	0	10	0	0	10	0	0	0	0	1	0	0	0	5	0	0	5	0	0	0	0	0	0	15	
Hourly 'Heavy Vehicles'	0	0	40	0	0	40	0	0	0	1	1	1	0	0	7	0	0	7	0	0	0	0	0	0	48	
7:00 AM	0	1	13	0	0	14	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	18	
7:15 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	14	
7:30 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	11	
7:45 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	10	
Hourly 'Heavy Vehicles'	0	1	39	0	0	40	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	53	

TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN
Wednesday, September 17, 2025

Time	Southbound Heavy CSAH 23						Westbound Heavy Marketplace Dr.						Northbound Heavy CSAH 23						Eastbound Heavy Marketplace Dr.						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>	
8:00 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	16
8:15 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	0	15
8:30 AM	0	0	3	0	0	3	0	1	0	0	0	1	0	0	5	1	0	6	0	0	0	1	0	1	11
8:45 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	18
Hourly 'Heavy Vehicles'	0	0	26	0	0	26	0	1	0	0	0	1	0	0	30	2	0	32	0	0	0	1	0	1	60
9:00 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	0	1	13
9:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	8
9:30 AM	0	1	6	0	0	7	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	15
9:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	11
Hourly 'Heavy Vehicles'	0	1	22	0	0	23	0	0	0	0	0	0	0	0	23	0	0	23	0	1	0	0	0	1	47
10:00 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	17
10:15 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	0	14
10:30 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	9
10:45 AM	0	1	3	0	0	4	0	1	0	1	0	2	0	0	3	0	0	3	0	0	0	0	0	0	9
Hourly 'Heavy Vehicles'	0	1	25	0	0	26	0	1	0	1	0	2	0	0	20	1	0	21	0	0	0	0	0	0	49
11:00 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	16
11:15 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	12
11:30 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	16
11:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	11
Hourly 'Heavy Vehicles'	0	0	29	0	0	29	0	0	0	0	0	0	0	0	26	0	0	26	0	0	0	0	0	0	55
12:00 PM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10
12:15 PM	0	0	2	0	0	2	0	0	0	1	0	1	0	0	9	0	0	9	0	0	0	0	0	0	12
12:30 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	15
12:45 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	10
Hourly 'Heavy Vehicles'	0	0	24	0	0	24	0	0	0	1	0	1	0	0	22	0	0	22	0	0	0	0	0	0	47
1:00 PM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	9
1:15 PM	0	0	6	0	0	6	0	1	0	1	0	2	0	0	8	0	0	8	0	0	0	0	0	0	16
1:30 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	1	0	1	19
1:45 PM	0	0	7	0	0	7	0	1	0	0	0	1	0	1	8	0	0	9	0	1	0	0	0	1	18
Hourly 'Heavy Vehicles'	0	0	31	0	0	31	0	2	0	1	0	3	0	1	25	0	0	26	0	1	0	1	0	2	62
2:00 PM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	16
2:15 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	1	0	1	20
2:30 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	20
2:45 PM	0	0	6	0	1	6	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	17
Hourly 'Heavy Vehicles'	0	0	33	0	1	33	0	0	0	0	0	0	0	0	39	0	0	39	0	0	0	1	0	1	73
3:00 PM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	23
3:15 PM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	25
3:30 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	1	0	1	20
3:45 PM	0	0	8	0	0	8	0	0	0	1	0	1	0	0	12	0	0	12	0	0	0	0	0	0	21
Hourly 'Heavy Vehicles'	0	0	38	0	0	38	0	0	0	1	0	1	0	0	49	0	0	49	0	0	0	1	0	1	89

TMC 2586 - CSAH 23 @ Marketplace Dr.
Lino Lakes MN

Wednesday, September 17, 2025

Time	Southbound Heavy CSAH 23						Westbound Heavy Marketplace Dr.						Northbound Heavy CSAH 23						Eastbound Heavy Marketplace Dr.						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	5	0	0	5	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	17
4:15 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	1	0	15
4:30 PM	0	0	7	0	1	7	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	1	0	1	16
4:45 PM	0	0	2	0	1	2	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	13
Hourly 'Heavy Vehicles'	0	0	20	0	2	20	0	0	0	0	0	0	0	0	40	0	0	40	0	0	0	1	1	1	61
5:00 PM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	13
5:15 PM	0	1	4	0	0	5	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10
5:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	3
5:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	7
Hourly 'Heavy Vehicles'	0	1	11	0	1	12	0	0	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	33
6:00 PM	0	0	4	0	0	4	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	7
6:15 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
6:30 PM	0	0	1	0	1	1	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	5
6:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	0	10	0	1	10	0	1	0	0	0	1	0	1	9	0	0	10	0	0	0	0	0	0	21
7:00 PM	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
7:15 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
7:30 PM	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
7:45 PM	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
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	7
8:00 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
8:15 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
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
10:00 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
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	0	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	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
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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
DAILY 'Heavy Vehicles'	0	4	380	0	5	384	0	5	0	5	1	10	0	2	342	3	0	347	0	2	0	6	1	8	749

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2586
Date	09/17/2025
Intersection Geometrics	Signal

Intersection Information			
Major Street (N/S Road)	CSAH 23	Minor Street (E/W Road)	Marketplace Dr.
Analyzed with	2 or more approach lanes	Analyzed with	1 Approach Lane
Total Approach Volume	13638 vehicles	Total Approach Volume	269 vehicles
Total Ped/Bike Volume	17 crossings	Total Ped/Bike Volume	8 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	100% applied for EB/WB

No high speed or isolated community reduction applied to the Volume Warrant thresholds.

Warrant 1, Eight Hour Vehicular Volume			
	Condition A	Condition B	Condition A+B*
Condition Satisfied?	Not Satisfied	Not Satisfied	Not Satisfied
Required values reached for	0 hours	0 hours	0 (Cond. A) & 0 (Cond. B)
Criteria - Major Street (veh/hr)	420	630	336 (Cond. A) & 504 (Cond. B)
Criteria - Minor Street (veh/hr)	105	53	84 (Cond. A) & 42 (Cond. B)

* Should be applied only after an adequate trial of other alternatives that could cause less delay and inconvenience to traffic has failed to solve the traffic problems.

Warrant 2, Four Hour Vehicular Volume	
Condition Satisfied?	Not Satisfied
Required values reached for	0 hours
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Examined	Not Satisfied
Required values reached for		0 hours
Criteria - Total Approach Volume (veh in one hour)		See Figure Below
Criteria - Minor Street High Side Volume (veh in one hour)		
Criteria - Minor Street High Side Delay (veh-hrs)		

Figure 4C-2 (Warrant 2 - 70% Factor) & Figure 4C-4 (Warrant 3 - 70% Factor)

