

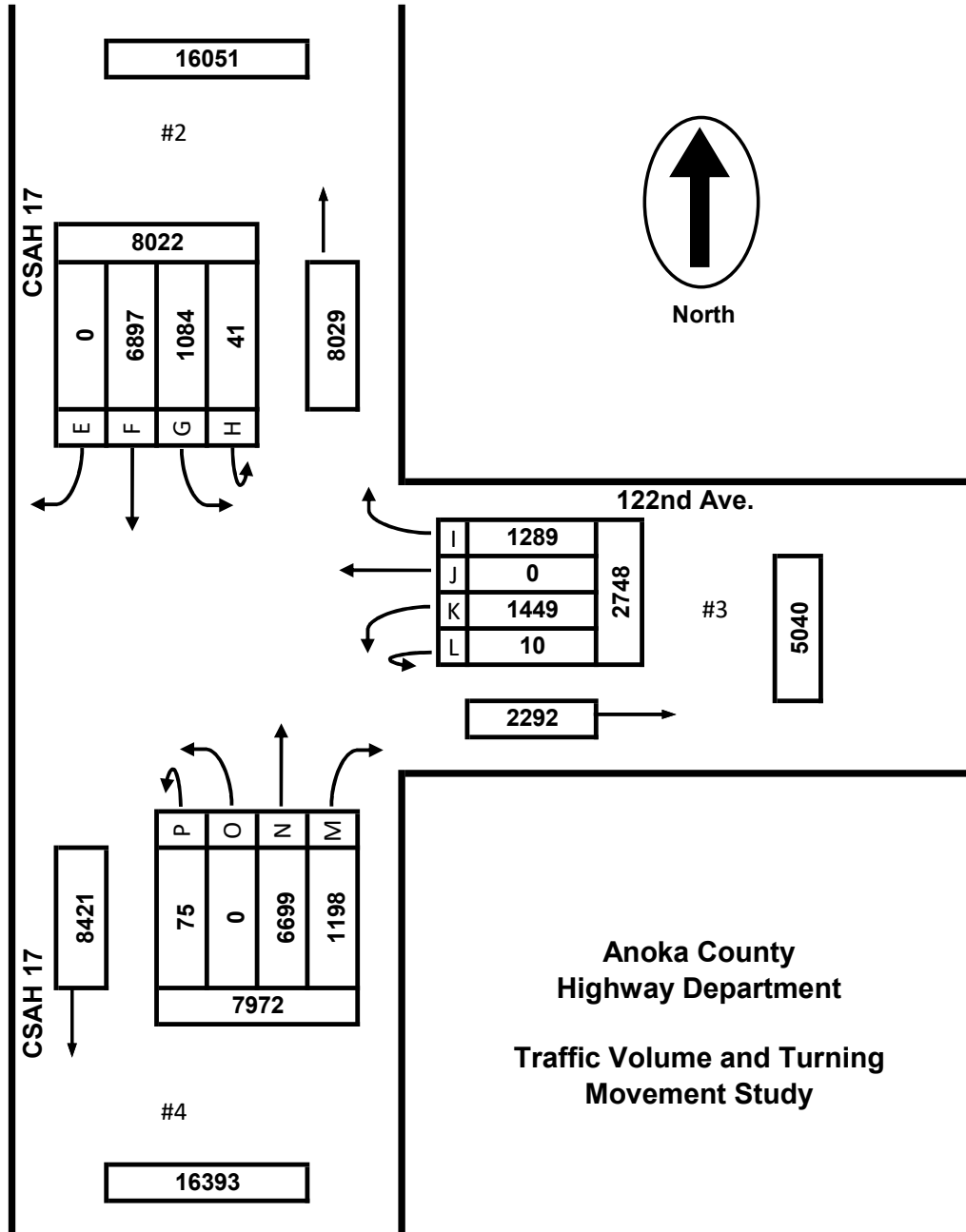
Date: 10/19/25

Count Number: TMC 2589

Location: CSAH 17
@ 122nd Ave.

Collection Period: 24 HR

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



Date: 10/19/25

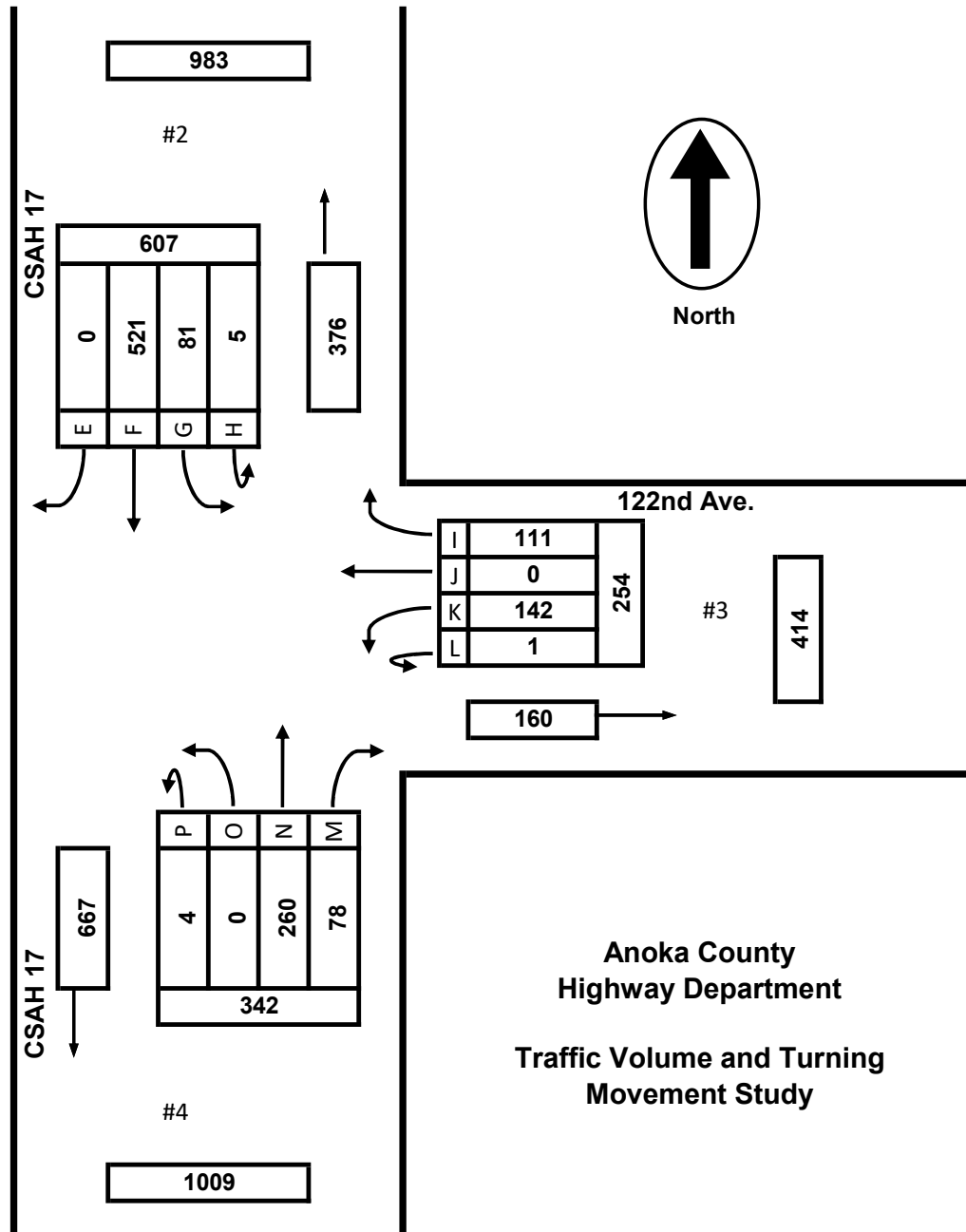
Count Number: TMC 2589

Location: CSAH 17
@ 122nd Ave.

Collection Period: 24 HR

Peak Hour: 8:45 AM - 9:45 AM

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



Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

Date: 10/19/25

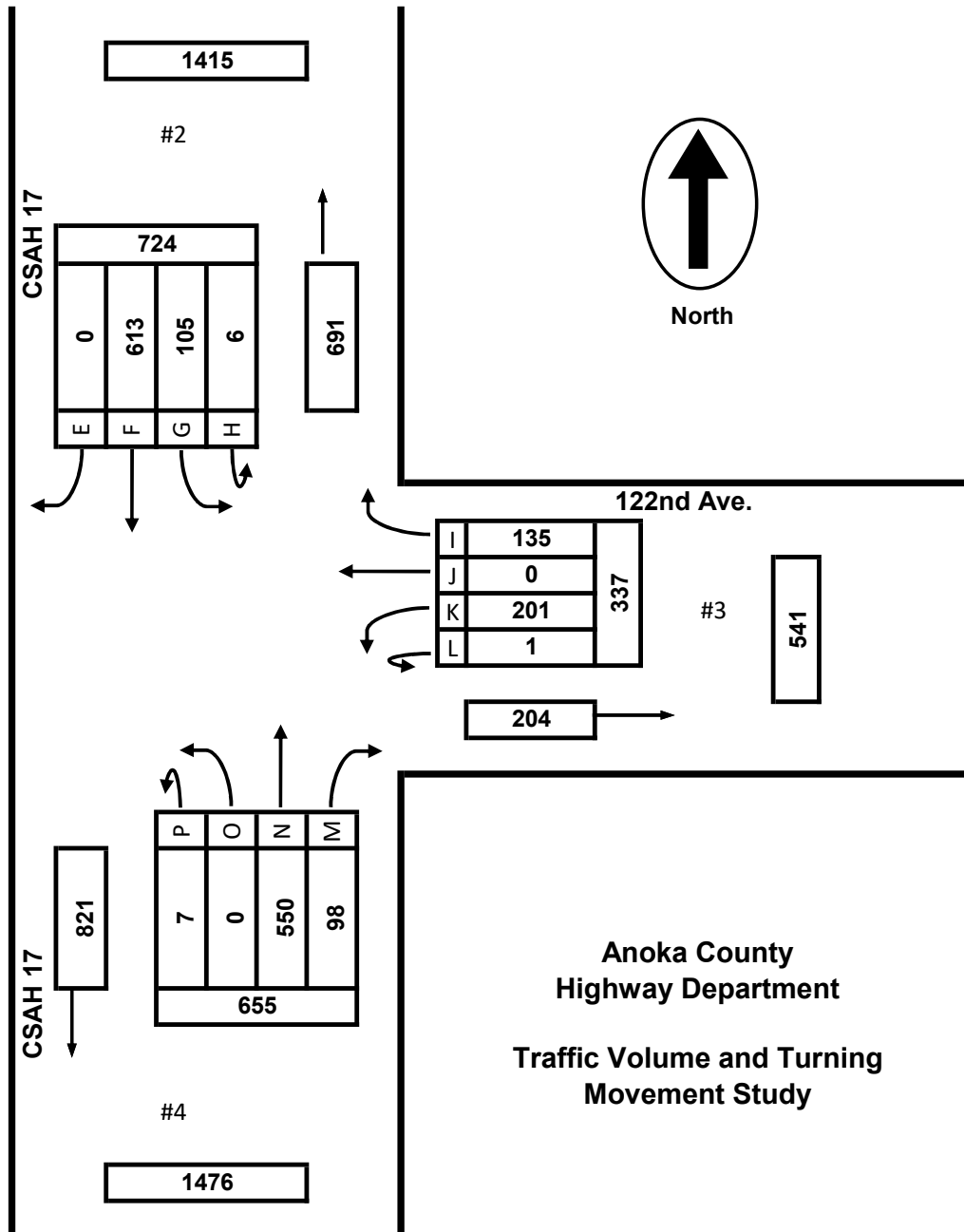
Count Number: TMC 2589

Location: CSAH 17
@ 122nd Ave.

Collection Period: 24 HR

Peak Hour: 11:15 AM - 12:15 PM

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



Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

Date: 10/19/25

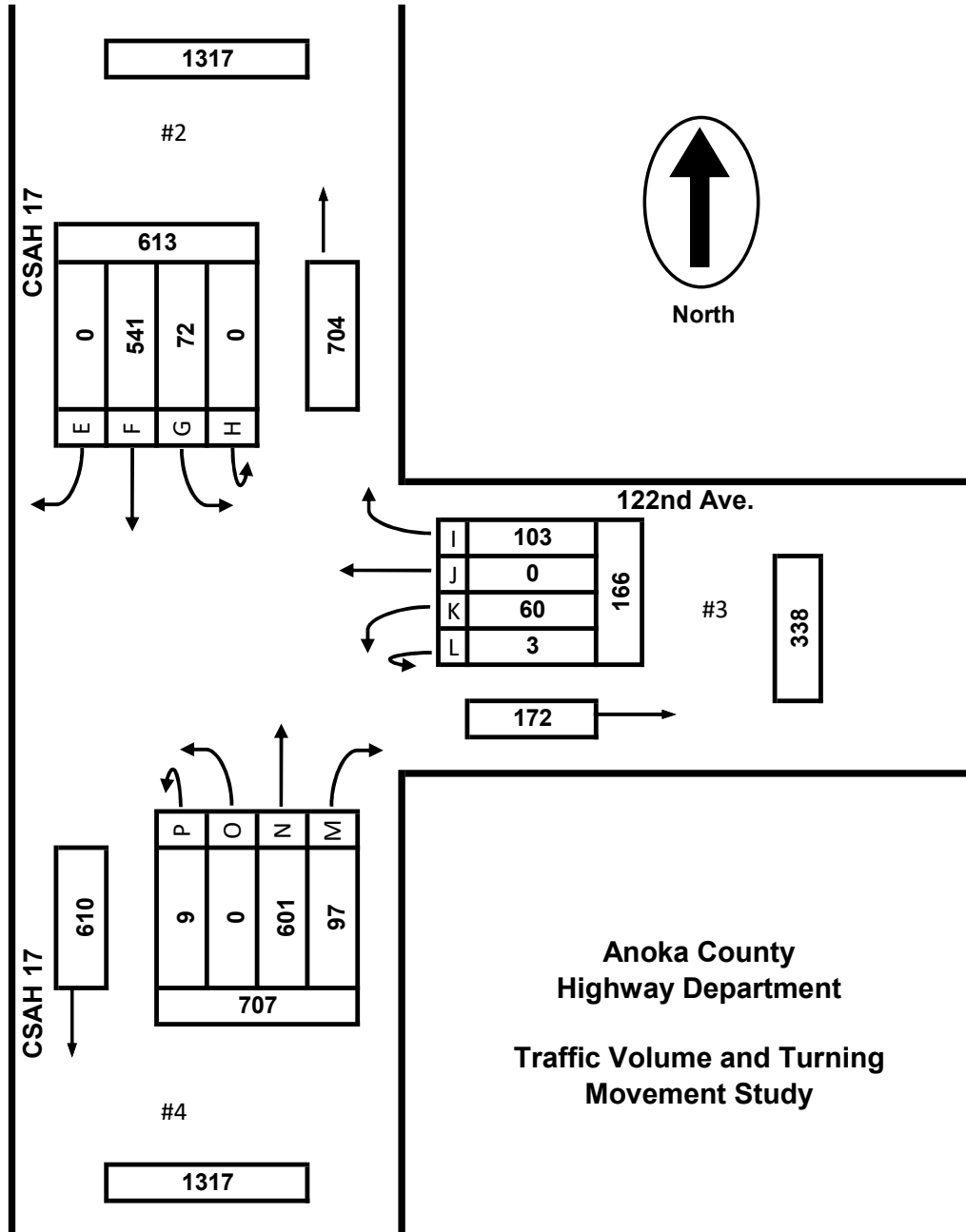
Count Number: TMC 2589

Location: CSAH 17
@ 122nd Ave.

Collection Period: 24 HR

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

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



TMC 2589 - CSAH 17 @ 122nd Ave.
Blaine MN
Sunday, October 19, 2025

Time	Southbound CSAH 17						Westbound 122nd Ave.						Northbound CSAH 17						Eastbound None						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	7	10	0	0	17	0	2	0	8	0	10	0	0	36	8	0	44	0	0	0	0	0	0	71
12:15 AM	2	2	19	0	0	23	0	6	0	2	0	8	0	0	29	6	0	35	0	0	0	0	0	0	66
12:30 AM	0	5	12	0	0	17	0	1	0	3	0	4	0	0	18	3	0	21	0	0	0	0	0	0	42
12:45 AM	0	1	11	0	0	12	0	1	0	2	0	3	0	0	17	4	0	21	0	0	0	0	0	0	36
Hourly Total	2	15	52	0	0	69	0	10	0	15	0	25	0	0	100	21	0	121	0	0	0	0	0	0	215
1:00 AM	0	4	9	0	0	13	0	2	0	4	0	6	0	0	23	7	0	30	0	0	0	0	0	0	49
1:15 AM	0	1	8	0	0	9	0	2	0	6	0	8	0	0	19	3	0	22	0	0	0	0	0	0	39
1:30 AM	0	2	8	0	0	10	0	1	0	5	0	6	0	0	14	3	0	17	0	0	0	0	0	0	33
1:45 AM	0	1	7	0	0	8	0	0	0	2	0	2	0	0	9	1	0	10	0	0	0	0	0	0	20
Hourly Total	0	8	32	0	0	40	0	5	0	17	0	22	0	0	65	14	0	79	0	0	0	0	0	0	141
2:00 AM	0	2	5	0	0	7	0	1	0	4	0	5	0	0	14	5	0	19	0	0	0	0	0	0	31
2:15 AM	0	4	2	0	0	6	0	4	0	3	0	7	0	0	6	1	0	7	0	0	0	0	0	0	20
2:30 AM	0	1	9	0	0	10	0	0	0	5	0	5	0	0	5	2	0	7	0	0	0	0	0	0	22
2:45 AM	0	1	5	0	0	6	0	2	0	2	0	4	0	0	7	2	0	9	0	0	0	0	0	0	19
Hourly Total	0	8	21	0	0	29	0	7	0	14	0	21	0	0	32	10	0	42	0	0	0	0	0	0	92
3:00 AM	0	0	3	0	0	3	0	3	0	2	0	5	0	0	12	2	0	14	0	0	0	0	0	0	22
3:15 AM	0	0	9	0	0	9	0	1	0	0	0	1	0	0	10	0	0	10	0	0	0	0	0	0	20
3:30 AM	0	1	8	0	0	9	0	0	0	2	0	2	0	0	3	3	0	6	0	0	0	0	0	0	17
3:45 AM	0	1	5	0	0	6	0	1	0	0	0	1	0	0	4	3	0	7	0	0	0	0	0	0	14
Hourly Total	0	2	25	0	0	27	0	5	0	4	0	9	0	0	29	8	0	37	0	0	0	0	0	0	73
4:00 AM	0	1	4	0	0	5	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	9
4:15 AM	0	0	8	0	0	8	0	0	0	2	0	2	0	0	5	3	0	8	0	0	0	0	0	0	18
4:30 AM	0	1	17	0	0	18	0	0	0	1	0	1	0	0	7	3	0	10	0	0	0	0	0	0	29
4:45 AM	0	1	6	0	0	7	0	2	0	1	0	3	0	0	3	1	0	4	0	0	0	0	0	0	14
Hourly Total	0	3	35	0	0	38	0	2	0	4	0	6	0	0	19	7	0	26	0	0	0	0	0	0	70
5:00 AM	0	4	12	0	0	16	0	2	0	1	0	3	0	0	5	0	0	5	0	0	0	0	0	0	24
5:15 AM	0	4	21	0	0	25	0	1	0	4	0	5	0	0	7	1	0	8	0	0	0	0	0	0	38
5:30 AM	0	4	23	0	0	27	0	4	0	2	0	6	0	0	9	4	0	13	0	0	0	0	0	0	46
5:45 AM	0	4	16	0	0	20	0	7	0	2	0	9	1	0	13	0	0	14	0	0	0	0	0	0	43
Hourly Total	0	16	72	0	0	88	0	14	0	9	0	23	1	0	34	5	0	40	0	0	0	0	0	0	151
6:00 AM	0	3	24	0	0	27	0	1	0	4	0	5	0	0	2	3	0	5	0	0	0	0	0	0	37
6:15 AM	0	6	27	0	0	33	0	5	0	4	0	9	0	0	15	2	0	17	0	0	0	0	0	0	59
6:30 AM	0	5	39	0	0	44	0	7	0	7	0	14	0	0	20	1	0	21	0	0	0	0	0	0	79
6:45 AM	1	8	38	0	0	47	0	5	0	6	0	11	0	0	15	1	0	16	0	0	0	0	0	0	74
Hourly Total	1	22	128	0	0	151	0	18	0	21	0	39	0	0	52	7	0	59	0	0	0	0	0	0	249
7:00 AM	0	4	25	0	0	29	0	8	0	3	0	11	1	0	15	3	0	19	0	0	0	0	0	0	59
7:15 AM	0	6	34	0	0	40	0	7	0	2	0	9	0	0	33	5	0	38	0	0	0	0	0	0	87
7:30 AM	2	8	43	0	0	53	0	5	0	6	0	11	0	0	35	10	0	45	0	0	0	0	0	0	109
7:45 AM	4	19	59	0	0	82	0	10	0	6	0	16	0	0	56	24	0	80	0	0	0	0	0	0	178
Hourly Total	6	37	161	0	0	204	0	30	0	17	0	47	1	0	139	42	0	182	0	0	0	0	0	0	433

TMC 2589 - CSAH 17 @ 122nd Ave.
Blaine MN
Sunday, October 19, 2025

Time	Southbound CSAH 17						Westbound 122nd Ave.						Northbound CSAH 17						Eastbound None						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	1	6	65	0	0	72	0	10	0	2	0	12	0	0	36	9	0	45	0	0	0	0	0	0	129
8:15 AM	0	14	65	0	0	79	0	11	0	11	0	22	0	0	35	6	0	41	0	0	0	0	0	0	142
8:30 AM	1	14	111	0	0	126	0	20	0	14	0	34	0	0	49	13	0	62	0	0	0	0	0	0	222
8:45 AM	2	16	146	0	0	164	0	48	0	31	0	79	0	0	75	24	0	99	0	0	0	0	0	0	342
Hourly Total	4	50	387	0	0	441	0	89	0	58	0	147	0	0	195	52	0	247	0	0	0	0	0	0	835
9:00 AM	2	28	104	0	0	134	1	50	0	42	0	93	3	0	76	23	0	102	0	0	0	0	0	0	329
9:15 AM	1	23	140	0	1	164	0	27	0	20	1	47	0	0	44	16	0	60	0	0	0	0	0	0	271
9:30 AM	0	14	131	0	0	145	0	17	0	18	0	35	1	0	65	15	0	81	0	0	0	0	0	0	261
9:45 AM	0	19	153	0	1	172	0	22	0	15	0	37	0	0	88	20	0	108	0	0	0	0	0	0	317
Hourly Total	3	84	528	0	2	615	1	116	0	95	1	212	4	0	273	74	0	351	0	0	0	0	0	0	1178
10:00 AM	4	33	155	0	0	192	0	53	0	43	0	96	0	0	117	28	0	145	0	0	0	0	0	0	433
10:15 AM	3	21	162	0	0	186	0	71	0	48	0	119	0	0	142	37	1	179	0	0	0	0	0	0	484
10:30 AM	1	25	160	0	0	186	0	49	0	20	0	69	2	0	83	11	0	96	0	0	0	0	0	0	351
10:45 AM	0	28	168	0	0	196	1	35	0	20	0	56	0	0	82	22	0	104	0	0	0	0	0	0	356
Hourly Total	8	107	645	0	0	760	1	208	0	131	0	340	2	0	424	98	1	524	0	0	0	0	0	0	1624
11:00 AM	1	17	128	0	0	146	0	27	0	27	0	54	2	0	121	15	0	138	0	0	0	0	0	0	338
11:15 AM	4	31	174	0	0	209	1	67	0	42	0	110	1	0	134	31	0	166	0	0	0	0	0	0	485
11:30 AM	1	32	162	0	1	195	0	76	0	45	0	121	2	0	138	31	0	171	0	0	0	0	0	0	487
11:45 AM	1	24	139	0	0	164	0	35	0	29	0	64	2	0	143	19	0	164	0	0	0	0	0	0	392
Hourly Total	7	104	603	0	1	714	1	205	0	143	0	349	7	0	536	96	0	639	0	0	0	0	0	0	1702
12:00 PM	0	18	138	0	0	156	0	23	0	19	0	42	2	0	135	17	0	154	0	0	0	0	0	0	352
12:15 PM	0	18	130	0	1	148	0	25	0	26	0	51	0	0	148	22	0	170	0	0	0	0	0	0	369
12:30 PM	0	22	115	0	0	137	0	85	0	66	0	151	1	0	135	23	0	159	0	0	0	0	0	0	447
12:45 PM	1	18	135	0	0	154	0	58	0	24	0	82	6	0	143	24	0	173	0	0	0	0	0	0	409
Hourly Total	1	76	518	0	1	595	0	191	0	135	0	326	9	0	561	86	0	656	0	0	0	0	0	0	1577
1:00 PM	0	19	127	0	0	146	1	28	0	30	0	59	1	0	136	24	0	161	0	0	0	0	0	0	366
1:15 PM	0	10	116	0	0	126	0	24	0	23	0	47	1	0	121	17	1	139	0	0	0	0	0	0	312
1:30 PM	1	14	133	0	0	148	0	11	0	12	0	23	1	0	131	14	0	146	0	0	0	0	0	0	317
1:45 PM	0	14	122	0	0	136	0	22	0	13	0	35	2	0	135	15	0	152	0	0	0	0	0	0	323
Hourly Total	1	57	498	0	0	556	1	85	0	78	0	164	5	0	523	70	1	598	0	0	0	0	0	0	1318
2:00 PM	0	11	144	0	1	155	0	14	0	17	0	31	3	0	143	22	0	168	0	0	0	0	0	0	354
2:15 PM	0	12	128	0	0	140	0	15	0	15	0	30	1	0	124	13	0	138	0	0	0	0	0	0	308
2:30 PM	0	26	105	0	1	131	0	16	0	21	0	37	2	0	145	20	0	167	0	0	0	0	0	0	335
2:45 PM	0	21	140	0	0	161	1	18	0	20	0	39	3	0	131	19	0	153	0	0	0	0	0	0	353
Hourly Total	0	70	517	0	2	587	1	63	0	73	0	137	9	0	543	74	0	626	0	0	0	0	0	0	1350
3:00 PM	2	29	107	0	0	138	0	14	0	25	0	39	1	0	146	25	0	172	0	0	0	0	0	0	349
3:15 PM	1	27	152	0	1	180	0	32	0	19	0	51	1	0	130	20	0	151	0	0	0	0	0	0	382
3:30 PM	1	15	137	0	1	153	0	23	0	20	0	43	2	0	118	28	1	148	0	0	0	0	0	0	344
3:45 PM	0	26	139	0	2	165	0	17	0	23	2	40	1	0	143	26	0	170	0	0	0	0	0	0	375
Hourly Total	4	97	535	0	4	636	0	86	0	87	2	173	5	0	537	99	1	641	0	0	0	0	0	0	1450

TMC 2589 - CSAH 17 @ 122nd Ave.
Blaine MN
Sunday, October 19, 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	
8:45 AM	2	16	146	0	0	164	0	48	0	31	0	79	0	0	75	24	0	99	0	0	0	0	0	0	342
9:00 AM	2	28	104	0	0	134	1	50	0	42	0	93	3	0	76	23	0	102	0	0	0	0	0	0	329
9:15 AM	1	23	140	0	1	164	0	27	0	20	1	47	0	0	44	16	0	60	0	0	0	0	0	0	271
9:30 AM	0	14	131	0	0	145	0	17	0	18	0	35	1	0	65	15	0	81	0	0	0	0	0	0	261
Peak Hour Total	5	81	521	0	1	607	1	142	0	111	1	254	4	0	260	78	0	342	0	0	0	0	0	0	1203
Peak Hour Heavy Vehicles	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	2
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.19%	0.00%	100.00%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.38%	0.00%	0.00%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.17%
	0.625	0.723	0.892	0.000	0.250	0.925	0.250	0.710	0.000	0.661	0.250	0.683	0.333	0.000	0.855	0.813	0.000	0.838	0.000	0.000	0.000	0.000	0.000	0.000	0.879

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	
11:15 AM	4	31	174	0	0	209	1	67	0	42	0	110	1	0	134	31	0	166	0	0	0	0	0	0	485
11:30 AM	1	32	162	0	1	195	0	76	0	45	0	121	2	0	138	31	0	171	0	0	0	0	0	0	487
11:45 AM	1	24	139	0	0	164	0	35	0	29	0	64	2	0	143	19	0	164	0	0	0	0	0	0	392
12:00 PM	0	18	138	0	0	156	0	23	0	19	0	42	2	0	135	17	0	154	0	0	0	0	0	0	352
Peak Hour Total	6	105	613	0	1	724	1	201	0	135	0	337	7	0	550	98	0	655	0	0	0	0	0	0	1716
Peak Hour Heavy Vehicles	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	1
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	0.00%	0.00%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06%
	0.375	0.820	0.881	0.000	0.250	0.866	0.250	0.661	0.000	0.750	0.000	0.696	0.875	0.000	0.962	0.790	0.000	0.958	0.000	0.000	0.000	0.000	0.000	0.000	0.881

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	139	0	2	165	0	17	0	23	2	40	1	0	143	26	0	170	0	0	0	0	0	0	375
4:00 PM	0	20	127	0	0	147	2	15	0	28	0	45	4	0	144	27	0	175	0	0	0	0	0	0	367
4:15 PM	0	13	142	0	0	155	0	19	0	28	0	47	2	0	150	22	0	174	0	0	0	0	0	0	376
4:30 PM	0	13	133	0	0	146	1	9	0	24	0	34	2	0	164	22	1	188	0	0	0	0	0	0	368
Peak Hour Total	0	72	541	0	2	613	3	60	0	103	2	166	9	0	601	97	1	707	0	0	0	0	0	0	1486
Peak Hour Heavy Vehicles	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Heavy Vehicles % PHF	0.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.000	0.692	0.952	0.000	0.250	0.929	0.375	0.789	0.000	0.920	0.250	0.883	0.563	0.000	0.916	0.898	0.250	0.940	0.000	0.000	0.000	0.000	0.000	0.000	0.988

Total Vehicles On Leg		16051	
Vehicles Entering Intersection	8022	Vehicles Exiting Intersection	8029
Southbound			
Cars	0	6890	1084
Heavy	0	7	0
Total	0	6897	1084

Total Vehicles on Leg 0	Vehicles Entering Intersection 0	Eastbound	Cars	0	0	0
			Heavy	0	0	0
	Total		0	0	0	
	Vehicles Exiting Intersection 0		Cars	0	0	0
			Heavy	0	0	0
Total	0	0	0			

Daily Volumes

Cars	1289	0	1289
Heavy	0	0	0
Total	1448	1	1449
Vehicles Entering Intersection 2748	10	0	10
Vehicles Exiting Intersection 2292	4	3	7

Cars	6	75	0	6692	1197
Heavy	5	0	0	7	1
Total	11	75	0	6699	1198
Northbound					
Vehicles Entering Intersection	7972	Vehicles Exiting Intersection	8421		
Total Vehicles On Leg		16393			

Traffic Signal Warrant Analysis

Warrants 1 - 3 (Volume Warrants)

TMC	2589
Date	10/19/2025
Intersection Geometrics	Signal

Intersection Information			
Major Street (N/S Road)	CSAH 17	Minor Street (E/W Road)	122nd Ave.
Analyzed with	2 or more approach lanes	Analyzed with	1 Approach Lane
Total Approach Volume	15994 vehicles	Total Approach Volume	1459 vehicles
Total Ped/Bike Volume	28 crossings	Total Ped/Bike Volume	7 crossings
Right turn reduction of	0 percent applied	Right turn reduction of	100% applied for 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	Satisfied	Not Satisfied
Required values reached for	4 hours	12 hours	7 (Cond. A) & 12 (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?	Satisfied
Required values reached for	10 hours
Criteria	See Figure Below

Warrant 3, Peak Hour Vehicular Volume		
	Condition A	Condition B
Condition Satisfied?	Not Examined	Satisfied
Required values reached for		6 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)

