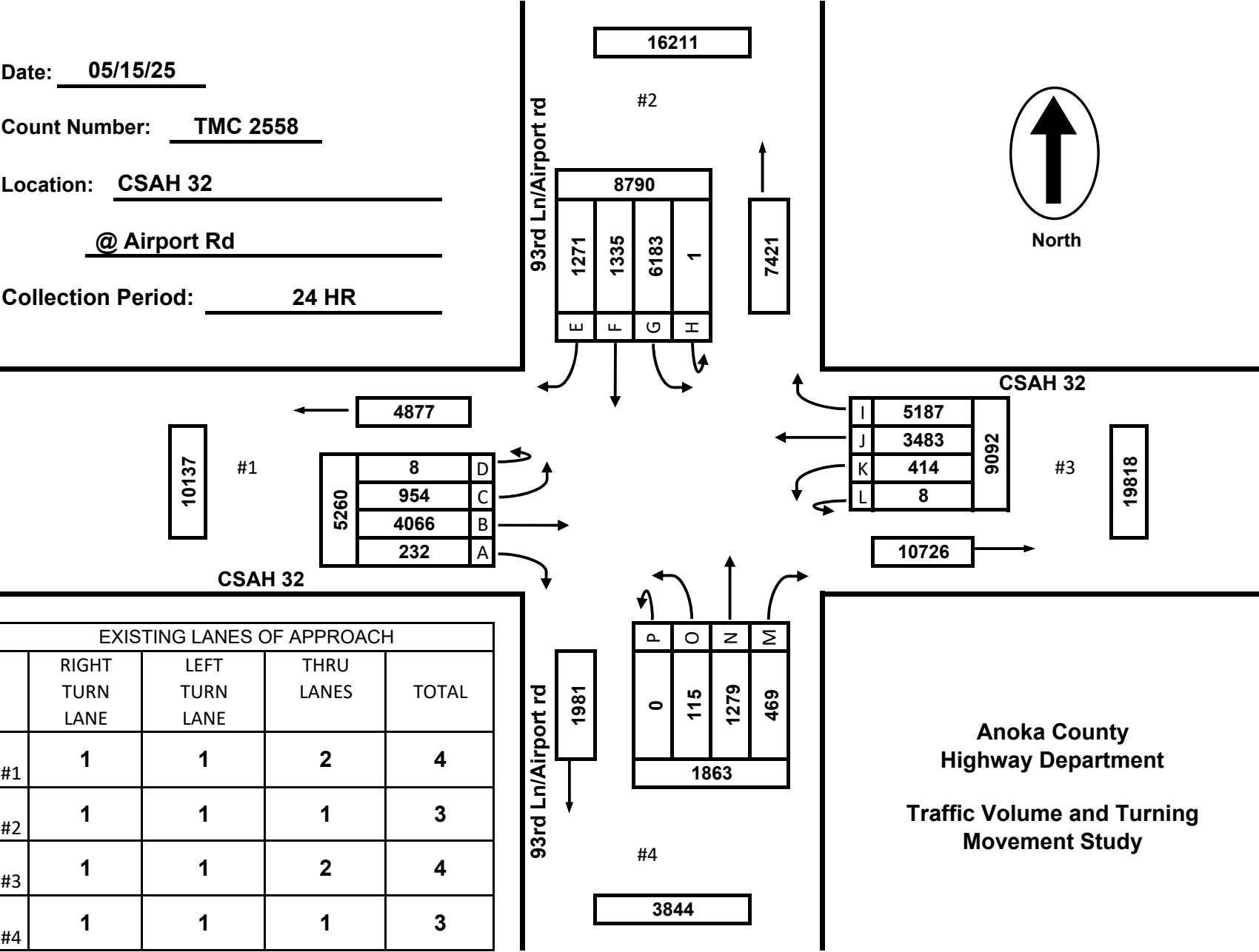


Date: 05/15/25

Count Number: TMC 2558

Location: CSAH 32
@ Airport Rd

Collection Period: 24 HR



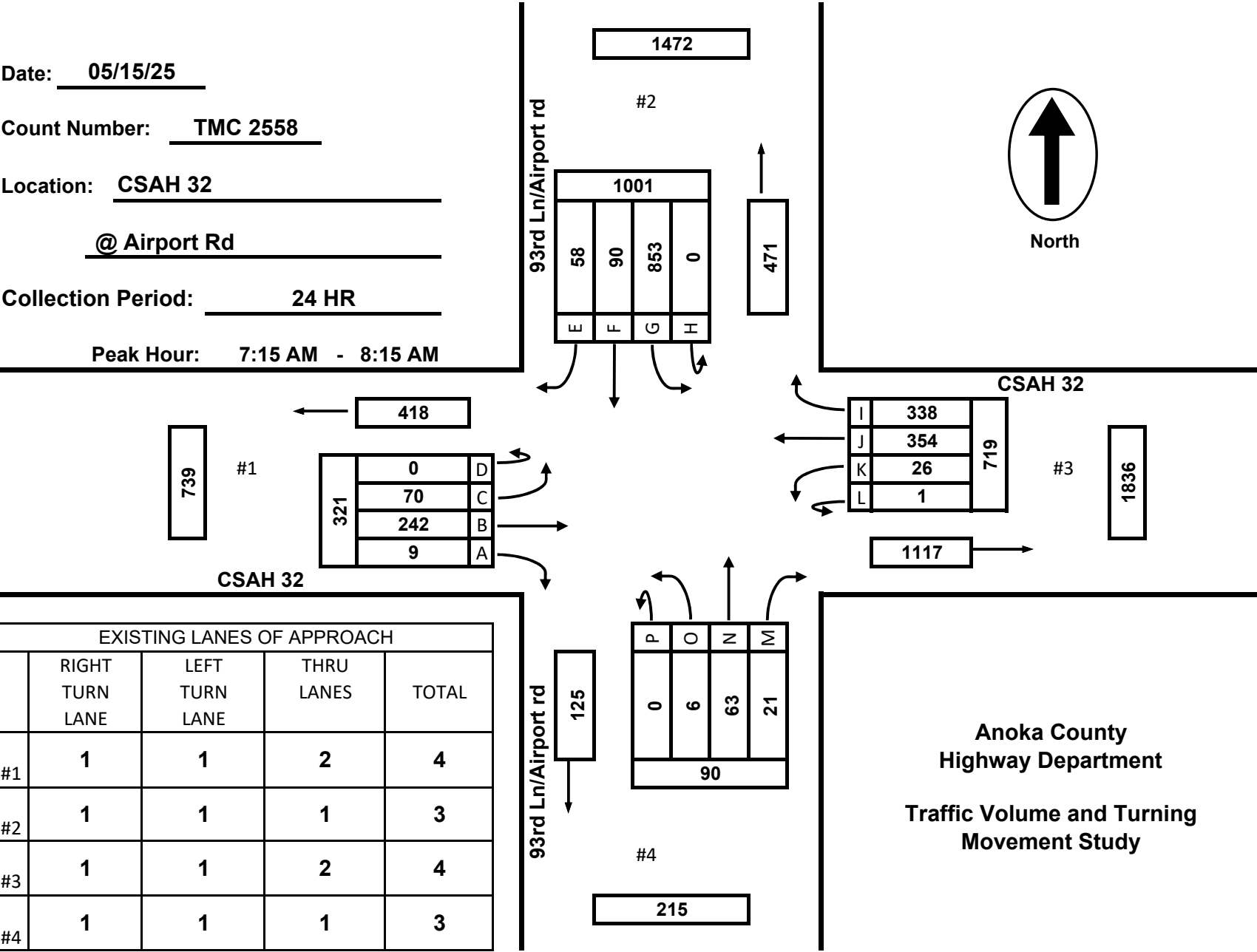
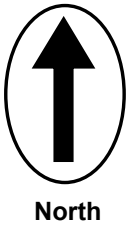
Date: 05/15/25

Count Number: TMC 2558

Location: CSAH 32
@ Airport Rd

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

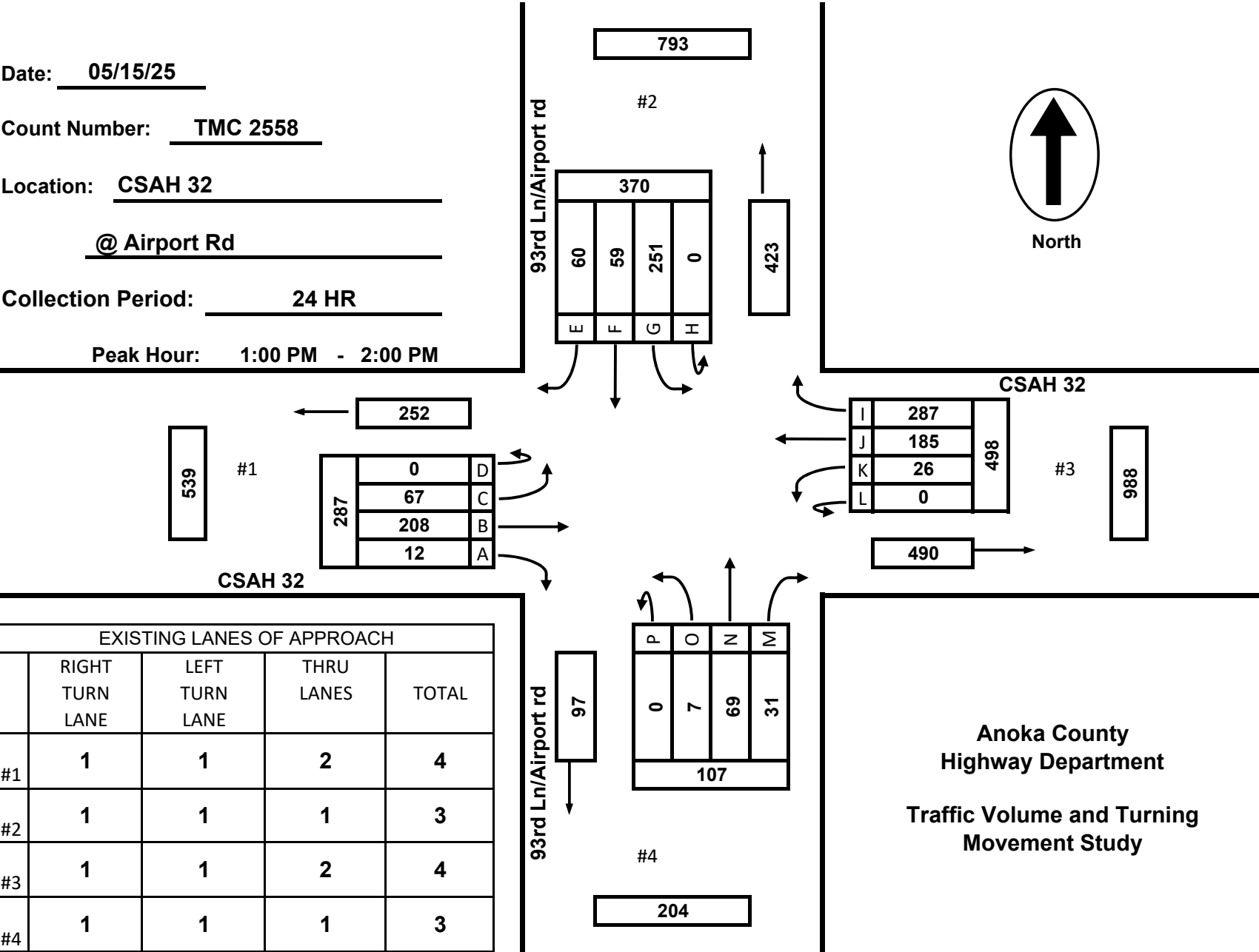
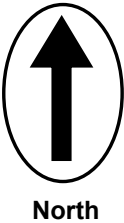
Date: 05/15/25

Count Number: TMC 2558

Location: CSAH 32
@ Airport Rd

Collection Period: 24 HR

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



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

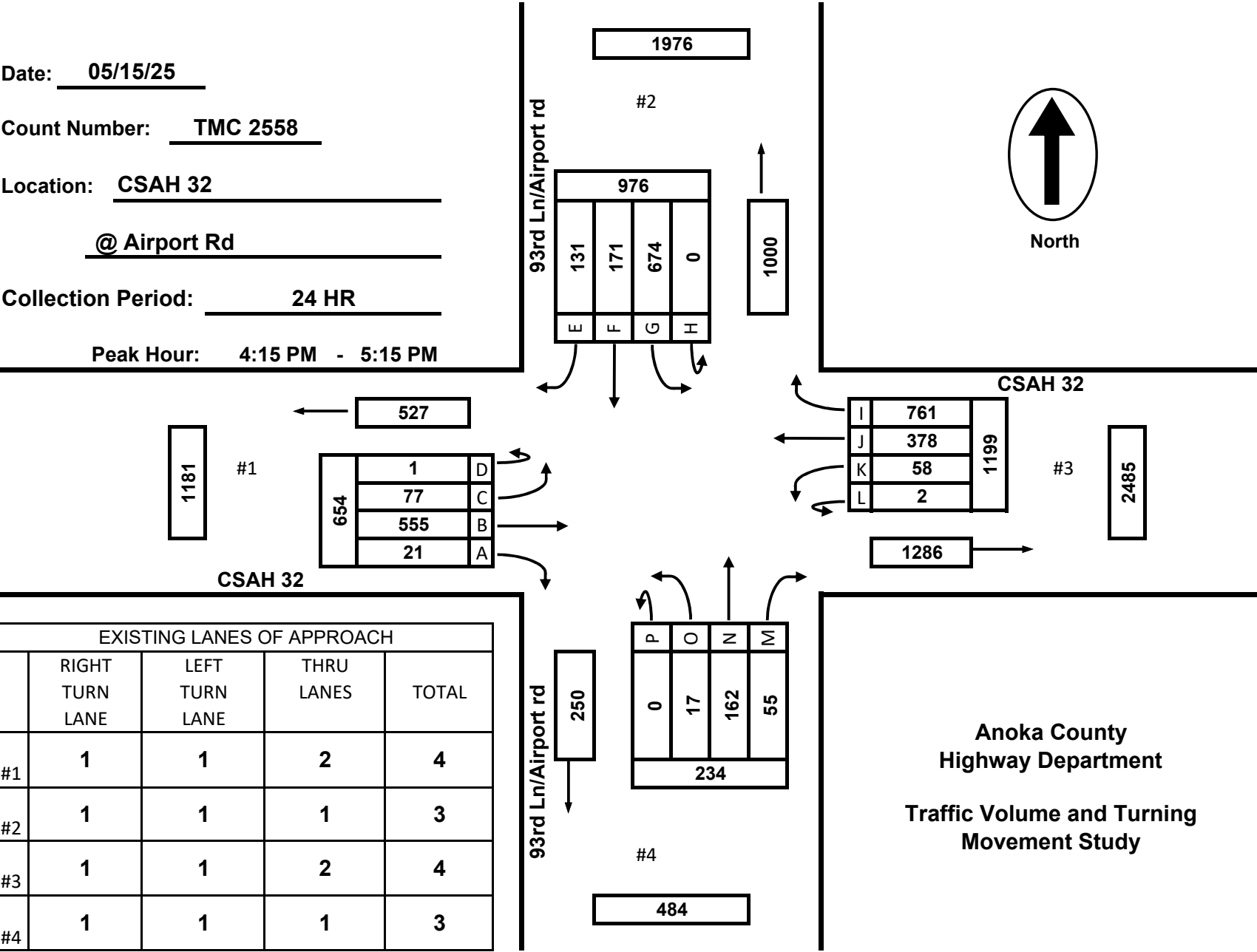
Date: 05/15/25

Count Number: TMC 2558

Location: CSAH 32
@ Airport Rd

Collection Period: 24 HR

Peak Hour: 4:15 PM - 5:15 PM



TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025

Time	Southbound 93rd Ln/Airport rd						Westbound CSAH 32						Northbound 93rd Ln/Airport rd						Eastbound CSAH 32						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	4	2	3	0	9	0	0	9	1	0	10	0	1	0	0	0	1	0	5	5	2	0	12	32
12:15 AM	0	2	5	5	0	12	0	1	6	3	0	10	0	0	2	0	0	2	0	0	3	1	0	4	28
12:30 AM	0	4	2	3	0	9	0	0	3	6	0	9	0	0	2	0	0	2	0	1	2	1	0	4	24
12:45 AM	0	5	2	3	0	10	0	1	3	3	0	7	0	0	1	0	0	1	0	1	2	0	0	3	21
Hourly Total	0	15	11	14	0	40	0	2	21	13	0	36	0	1	5	0	0	6	0	7	12	4	0	23	105
1:00 AM	0	6	0	5	0	11	0	0	1	5	0	6	0	0	0	0	0	0	0	0	9	0	0	9	26
1:15 AM	0	5	1	0	0	6	0	0	2	2	0	4	0	0	0	1	0	1	1	1	1	0	0	3	14
1:30 AM	0	2	1	3	0	6	0	0	2	2	0	4	0	0	0	0	0	0	0	2	4	0	0	6	16
1:45 AM	0	3	1	1	0	5	0	0	5	6	0	11	0	0	0	0	0	0	0	0	1	0	0	1	17
Hourly Total	0	16	3	9	0	28	0	0	10	15	0	25	0	0	0	1	0	1	1	3	15	0	0	19	73
2:00 AM	0	3	2	1	0	6	0	0	1	2	0	3	0	0	0	0	0	0	0	0	4	0	0	4	13
2:15 AM	0	8	1	1	0	10	0	0	0	1	0	1	0	0	0	0	0	0	0	0	5	0	0	5	16
2:30 AM	0	3	0	0	0	3	0	0	6	8	0	14	0	1	1	1	0	3	0	1	0	0	0	1	21
2:45 AM	0	9	0	1	0	10	0	0	2	1	0	3	0	0	1	0	0	1	0	2	3	0	0	5	19
Hourly Total	0	23	3	3	0	29	0	0	9	12	0	21	0	1	2	1	0	4	0	3	12	0	0	15	69
3:00 AM	0	5	0	0	0	5	0	0	1	2	0	3	0	0	2	0	0	2	0	0	5	0	0	5	15
3:15 AM	0	9	0	1	0	10	0	0	2	7	0	9	0	0	0	0	0	0	0	0	4	0	0	4	23
3:30 AM	0	7	0	0	0	7	0	0	7	10	0	17	0	0	1	0	0	1	0	1	1	0	0	2	27
3:45 AM	0	10	1	1	0	12	0	1	6	9	0	16	0	0	1	0	0	1	0	2	5	0	0	7	36
Hourly Total	0	31	1	2	0	34	0	1	16	28	0	45	0	0	4	0	0	4	0	3	15	0	0	18	101
4:00 AM	0	7	1	1	1	9	0	0	6	7	0	13	0	0	0	3	0	3	0	0	3	0	0	3	28
4:15 AM	0	19	0	1	1	20	0	1	9	9	0	19	0	0	1	0	0	1	0	2	9	0	0	11	51
4:30 AM	0	31	1	1	0	33	0	2	8	21	0	31	0	0	1	0	0	1	0	5	14	0	0	19	84
4:45 AM	0	41	1	2	0	44	0	0	16	11	0	27	0	1	2	1	0	4	0	6	16	0	0	22	97
Hourly Total	0	98	3	5	2	106	0	3	39	48	0	90	0	1	4	4	0	9	0	13	42	0	0	55	260
5:00 AM	0	28	0	0	0	28	0	0	8	17	0	25	0	0	7	1	0	8	0	6	12	1	0	19	80
5:15 AM	0	38	1	3	0	42	0	0	26	21	0	47	0	1	7	2	0	10	0	3	17	1	0	21	120
5:30 AM	0	58	5	6	2	69	0	5	19	25	2	49	0	1	16	1	0	18	0	9	24	1	0	34	170
5:45 AM	0	60	2	9	1	71	0	0	27	33	1	60	0	0	7	7	0	14	0	17	32	1	0	50	195
Hourly Total	0	184	8	18	3	210	0	5	80	96	3	181	0	2	37	11	0	50	0	35	85	4	0	124	565
6:00 AM	0	47	3	11	0	61	0	1	24	49	0	74	0	1	8	2	0	11	0	22	25	1	0	48	194
6:15 AM	0	91	7	15	0	113	0	2	33	50	0	85	0	0	26	5	0	31	0	20	35	1	0	56	285
6:30 AM	0	96	13	8	0	117	0	7	52	71	0	130	0	0	27	4	0	31	0	21	34	2	1	57	335
6:45 AM	0	134	12	28	0	174	0	3	62	69	1	134	0	0	17	10	0	27	0	16	58	2	0	76	411
Hourly Total	0	368	35	62	0	465	0	13	171	239	1	423	0	1	78	21	0	100	0	79	152	6	1	237	1225
7:00 AM	0	117	17	14	1	148	0	4	67	93	0	164	0	1	22	4	1	27	0	20	38	5	1	63	402
7:15 AM	0	164	25	10	0	199	0	7	76	93	0	176	0	2	19	2	0	23	0	26	49	2	0	77	475
7:30 AM	0	246	18	18	0	282	0	3	94	82	0	179	0	1	21	5	0	27	0	20	62	1	0	83	571
7:45 AM	0	257	26	18	0	301	1	11	116	74	0	202	0	1	14	10	0	25	0	17	81	4	0	102	630
Hourly Total	0	784	86	60	1	930	1	25	353	342	0	721	0	5	76	21	1	102	0	83	230	12	1	325	2078

**TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025**

Time	Southbound 93rd Ln/Airport rd						Westbound CSAH 32						Northbound 93rd Ln/Airport rd						Eastbound CSAH 32						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	186	21	12	0	219	0	5	68	89	0	162	0	2	9	4	0	15	0	7	50	2	0	59	455
8:15 AM	0	177	23	12	0	212	0	7	45	81	0	133	0	0	15	7	0	22	0	19	65	2	0	86	453
8:30 AM	0	134	21	16	0	171	0	6	44	66	0	116	0	1	21	8	0	30	0	9	42	3	0	54	371
8:45 AM	0	136	18	31	2	185	0	7	55	45	0	107	0	1	16	7	0	24	0	19	60	5	0	84	400
Hourly Total	0	633	83	71	2	787	0	25	212	281	0	518	0	4	61	26	0	91	0	54	217	12	0	283	1679
9:00 AM	0	104	21	19	1	144	0	5	60	55	0	120	0	0	28	7	0	35	0	15	52	6	0	73	372
9:15 AM	0	76	10	19	0	105	0	6	30	70	0	106	0	1	19	10	0	30	0	10	43	4	0	57	298
9:30 AM	0	72	24	16	0	112	0	11	52	62	0	125	0	1	16	5	0	22	0	15	38	5	0	58	317
9:45 AM	0	56	18	7	0	81	0	4	38	44	0	86	0	4	24	7	0	35	0	7	44	1	0	52	254
Hourly Total	0	308	73	61	1	442	0	26	180	231	0	437	0	6	87	29	0	122	0	47	177	16	0	240	1241
10:00 AM	0	53	15	20	0	88	0	3	53	41	0	97	0	0	14	4	0	18	1	8	25	1	0	35	238
10:15 AM	0	62	11	12	1	85	0	5	40	46	0	91	0	2	9	5	0	16	0	14	41	5	0	60	252
10:30 AM	0	57	13	11	0	81	0	3	44	48	0	95	0	2	15	5	0	22	0	11	34	4	0	49	247
10:45 AM	0	40	9	10	0	59	0	6	44	39	0	89	0	3	18	7	0	28	0	15	38	1	0	54	230
Hourly Total	0	212	48	53	1	313	0	17	181	174	0	372	0	7	56	21	0	84	1	48	138	11	0	198	967
11:00 AM	0	60	13	15	0	88	0	3	35	55	0	93	0	0	19	7	1	26	0	27	36	1	1	64	271
11:15 AM	0	55	4	12	0	71	0	7	42	68	0	117	0	1	12	8	0	21	0	13	53	1	0	67	276
11:30 AM	0	57	23	18	0	98	0	4	54	59	0	117	0	1	18	10	0	29	0	14	45	1	0	60	304
11:45 AM	0	67	14	20	0	101	0	10	56	57	0	123	0	1	10	7	0	18	0	11	57	4	0	72	314
Hourly Total	0	239	54	65	0	358	0	24	187	239	0	450	0	3	59	32	1	94	0	65	191	7	1	263	1165
12:00 PM	0	81	19	19	0	119	0	3	56	58	0	117	0	0	18	7	0	25	0	11	46	6	0	63	324
12:15 PM	0	58	15	24	0	97	0	4	46	48	0	98	0	2	20	11	0	33	0	13	58	3	0	74	302
12:30 PM	0	60	24	19	0	103	1	5	47	66	0	119	0	2	12	13	0	27	0	14	57	1	0	72	321
12:45 PM	0	53	13	17	1	83	0	4	50	62	0	116	0	1	17	9	0	27	0	11	66	6	0	83	309
Hourly Total	0	252	71	79	1	402	1	16	199	234	0	450	0	5	67	40	0	112	0	49	227	16	0	292	1256
1:00 PM	0	72	15	12	0	99	0	11	44	62	0	117	0	3	13	3	0	19	0	14	47	3	0	64	299
1:15 PM	0	46	10	13	0	69	0	2	40	62	0	104	0	1	7	12	0	20	0	20	63	1	0	84	277
1:30 PM	0	62	16	16	0	94	0	8	48	97	0	153	0	1	24	9	0	34	0	12	52	4	0	68	349
1:45 PM	0	71	18	19	0	108	0	5	53	66	0	124	0	2	25	7	0	34	0	21	46	4	0	71	337
Hourly Total	0	251	59	60	0	370	0	26	185	287	0	498	0	7	69	31	0	107	0	67	208	12	0	287	1262
2:00 PM	0	71	32	15	0	118	0	12	52	95	0	159	0	0	18	5	0	23	1	12	59	2	0	74	374
2:15 PM	0	71	29	28	0	128	0	5	53	93	0	151	0	0	14	11	0	25	0	15	58	1	0	74	378
2:30 PM	0	119	30	24	0	173	1	9	66	80	0	156	0	1	17	3	0	21	0	13	90	7	0	110	460
2:45 PM	0	109	25	25	0	159	0	12	65	113	0	190	0	0	19	4	0	23	1	12	65	1	0	79	451
Hourly Total	0	370	116	92	0	578	1	38	236	381	0	656	0	1	68	23	0	92	2	52	272	11	0	337	1663
3:00 PM	0	145	27	24	0	196	0	10	80	187	0	277	0	2	28	10	0	40	0	16	99	2	0	117	630
3:15 PM	0	150	19	28	0	197	1	4	93	147	0	245	0	1	22	10	0	33	0	17	131	4	0	152	627
3:30 PM	0	126	33	18	0	177	0	2	99	169	0	270	0	5	39	17	0	61	0	27	128	4	0	159	667
3:45 PM	0	147	39	16	0	202	0	14	74	131	0	219	0	3	34	9	0	46	0	19	128	7	0	154	621
Hourly Total	0	568	118	86	0	772	1	30	346	634	0	1011	0	11	123	46	0	180	0	79	486	17	0	582	2545

**TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025**

Time	Southbound 93rd Ln/Airport rd						Westbound CSAH 32						Northbound 93rd Ln/Airport rd						Eastbound CSAH 32						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	139	37	28	0	204	0	6	78	187	2	271	0	3	30	9	0	42	0	14	129	12	0	155	672
4:15 PM	0	161	26	27	0	214	0	17	101	157	0	275	0	8	35	13	0	56	0	12	142	4	0	158	703
4:30 PM	0	178	57	44	0	279	0	14	87	211	0	312	0	4	43	9	0	56	1	21	150	6	0	178	825
4:45 PM	0	166	33	26	0	225	1	14	94	188	0	297	0	2	48	18	0	68	0	25	134	7	0	166	756
Hourly Total	0	644	153	125	0	922	1	51	360	743	2	1155	0	17	156	49	0	222	1	72	555	29	0	657	2956
5:00 PM	0	169	55	34	0	258	1	13	96	205	0	315	0	3	36	15	0	54	0	19	129	4	0	152	779
5:15 PM	0	136	39	29	0	204	1	13	73	147	0	234	0	2	40	12	0	54	0	20	86	5	0	111	603
5:30 PM	0	83	28	17	0	128	0	10	54	113	0	177	0	0	35	11	0	46	0	11	72	2	0	85	436
5:45 PM	0	91	26	27	0	144	0	17	46	96	0	159	0	5	22	12	0	39	0	14	72	3	0	89	431
Hourly Total	0	479	148	107	0	734	2	53	269	561	0	885	0	10	133	50	0	193	0	64	359	14	0	437	2249
6:00 PM	0	66	18	19	1	103	0	7	29	65	1	101	0	3	16	7	0	26	0	4	60	4	0	68	298
6:15 PM	0	47	25	28	0	100	1	3	27	63	0	94	0	3	16	9	0	28	0	11	46	4	0	61	283
6:30 PM	1	43	18	20	0	82	0	5	35	35	0	75	0	2	19	4	0	25	0	11	37	5	0	53	235
6:45 PM	0	50	26	11	0	87	0	1	35	49	1	85	0	3	21	10	0	34	0	6	42	2	0	50	256
Hourly Total	1	206	87	78	1	372	1	16	126	212	2	355	0	11	72	30	0	113	0	32	185	15	0	232	1072
7:00 PM	0	30	11	17	0	58	0	7	25	36	0	68	0	3	17	2	0	22	0	8	46	5	0	59	207
7:15 PM	0	47	12	21	0	80	0	5	31	40	0	76	0	3	14	5	0	22	0	9	38	4	0	51	229
7:30 PM	0	45	15	18	0	78	0	0	23	31	0	54	0	1	16	1	1	18	0	7	34	4	0	45	195
7:45 PM	0	37	21	22	0	80	0	4	27	29	0	60	0	3	9	2	0	14	0	8	34	2	0	44	198
Hourly Total	0	159	59	78	0	296	0	16	106	136	0	258	0	10	56	10	1	76	0	32	152	15	0	199	829
8:00 PM	0	38	17	15	0	70	0	3	21	28	0	52	0	3	11	6	0	20	0	5	33	2	0	40	182
8:15 PM	0	41	13	16	0	70	0	3	16	25	0	44	0	0	7	1	0	8	0	5	46	2	0	53	175
8:30 PM	0	37	14	11	0	62	0	3	29	24	0	56	0	1	9	2	0	12	1	5	39	2	0	47	177
8:45 PM	0	28	6	8	2	42	0	3	17	38	1	58	0	1	3	1	0	5	0	5	34	3	0	42	147
Hourly Total	0	144	50	50	2	244	0	12	83	115	1	210	0	5	30	10	0	45	1	20	152	9	0	182	681
9:00 PM	0	28	10	7	0	45	0	1	21	26	0	48	0	2	6	0	0	8	0	4	27	3	0	34	135
9:15 PM	0	25	11	15	0	51	0	1	12	18	0	31	0	1	8	1	0	10	2	3	19	2	0	26	118
9:30 PM	0	24	8	17	0	49	0	3	15	18	0	36	0	2	1	3	0	6	0	3	16	4	0	23	114
9:45 PM	0	17	12	11	0	40	0	4	10	17	0	31	0	0	2	6	0	8	0	12	24	4	0	40	119
Hourly Total	0	94	41	50	0	185	0	9	58	79	0	146	0	5	17	10	0	32	2	22	86	13	0	123	486
10:00 PM	0	22	6	6	0	34	0	2	5	23	0	30	0	0	3	0	0	3	0	5	24	3	0	32	99
10:15 PM	0	16	6	13	0	35	0	1	12	17	0	30	0	0	2	1	0	3	0	2	16	2	0	20	88
10:30 PM	0	18	4	5	0	27	0	0	7	8	0	15	0	1	3	0	0	4	0	3	12	0	0	15	61
10:45 PM	0	5	2	5	0	12	0	1	6	11	0	18	0	0	2	1	0	3	0	3	7	2	0	12	45
Hourly Total	0	61	18	29	0	108	0	4	30	59	0	93	0	1	10	2	0	13	0	13	59	7	0	79	293
11:00 PM	0	12	2	2	0	16	0	1	10	11	0	22	0	0	4	0	0	4	0	3	16	1	0	20	62
11:15 PM	0	13	2	4	0	19	0	0	9	5	0	14	0	0	2	1	0	3	0	3	7	0	0	10	46
11:30 PM	0	6	2	1	0	9	0	0	5	7	0	12	0	0	2	0	0	2	0	2	9	0	0	11	34
11:45 PM	0	13	1	7	0	21	0	1	2	5	0	8	0	1	1	0	0	2	0	4	7	1	0	12	43
Hourly Total	0	44	7	14	0	65	0	2	26	28	0	56	0	1	9	1	0	11	0	12	39	2	0	53	185
DAILY TOTAL	1	6183	1335	1271	14	8790	8	414	3483	5187	9	9092	0	115	1279	469	3	1863	8	954	4066	232	3	5260	25005
Cars	1	5807	1278	1232	6	8318	8	398	3316	4830	2	8552	0	114	1201	452	3	1767	8	928	3879	226	3	5041	23678
Heavy Vehicles	0	376	57	39	8	472	0	16	167	357	7	540	0	1	78	17	0	96	0	26	187	6	0	219	1327
Heavy Vehicle %	0.00%	6.08%	4.27%	3.07%	57.14%	5.37%	0.00%	3.86%	4.79%	6.88%	77.78%	5.94%	0.00%	0.87%	6.10%	3.62%	0.00%	5.15%	0.00%	2.73%	4.60%	2.59%	0.00%	4.16%	5.31%

TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 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	
7:15 AM	0	164	25	10	0	199	0	7	76	93	0	176	0	2	19	2	0	23	0	26	49	2	0	77	475
7:30 AM	0	246	18	18	0	282	0	3	94	82	0	179	0	1	21	5	0	27	0	20	62	1	0	83	571
7:45 AM	0	257	26	18	0	301	1	11	116	74	0	202	0	1	14	10	0	25	0	17	81	4	0	102	630
8:00 AM	0	186	21	12	0	219	0	5	68	89	0	162	0	2	9	4	0	15	0	7	50	2	0	59	455
Peak Hour Total	0	853	90	58	0	1001	1	26	354	338	0	719	0	6	63	21	0	90	0	70	242	9	0	321	2131
Peak Hour Heavy Vehicles	0	34	11	3	0	48	0	0	14	28	0	42	0	0	1	1	0	2	0	1	14	1	0	16	108
Peak Hour Heavy Vehicles %	0.00%	3.99%	12.22%	5.17%	0.00%	4.80%	0.00%	0.00%	3.95%	8.28%	0.00%	5.84%	0.00%	0.00%	1.59%	4.76%	0.00%	2.22%	0.00%	1.43%	5.79%	11.11%	0.00%	4.98%	5.07%
PHF	0.000	0.830	0.865	0.806	0.000	0.831	0.250	0.591	0.763	0.909	0.000	0.890	0.000	0.750	0.750	0.525	0.000	0.833	0.000	0.673	0.747	0.563	0.000	0.787	0.846

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	72	15	12	0	99	0	11	44	62	0	117	0	3	13	3	0	19	0	14	47	3	0	64	299
1:15 PM	0	46	10	13	0	69	0	2	40	62	0	104	0	1	7	12	0	20	0	20	63	1	0	84	277
1:30 PM	0	62	16	16	0	94	0	8	48	97	0	153	0	1	24	9	0	34	0	12	52	4	0	68	349
1:45 PM	0	71	18	19	0	108	0	5	53	66	0	124	0	2	25	7	0	34	0	21	46	4	0	71	337
Peak Hour Total	0	251	59	60	0	370	0	26	185	287	0	498	0	7	69	31	0	107	0	67	208	12	0	287	1262
Peak Hour Heavy Vehicles	0	27	3	1	0	31	0	3	10	26	0	39	0	0	2	2	0	4	0	2	8	0	0	10	84
Peak Hour Heavy Vehicles %	0.00%	10.76%	5.08%	1.67%	0.00%	8.38%	0.00%	11.54%	5.41%	9.06%	0.00%	7.83%	0.00%	0.00%	2.90%	6.45%	0.00%	3.74%	0.00%	2.99%	3.85%	0.00%	0.00%	3.48%	6.66%
PHF	0.000	0.872	0.819	0.789	0.000	0.856	0.000	0.591	0.873	0.740	0.000	0.814	0.000	0.583	0.690	0.646	0.000	0.787	0.000	0.798	0.825	0.750	0.000	0.854	0.904

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	
4:15 PM	0	161	26	27	0	214	0	17	101	157	0	275	0	8	35	13	0	56	0	12	142	4	0	158	703
4:30 PM	0	178	57	44	0	279	0	14	87	211	0	312	0	4	43	9	0	56	1	21	150	6	0	178	825
4:45 PM	0	166	33	26	0	225	1	14	94	188	0	297	0	2	48	18	0	68	0	25	134	7	0	166	756
5:00 PM	0	169	55	34	0	258	1	13	96	205	0	315	0	3	36	15	0	54	0	19	129	4	0	152	779
Peak Hour Total	0	674	171	131	0	976	2	58	378	761	0	1199	0	17	162	55	0	234	1	77	555	21	0	654	3063
Peak Hour Heavy Vehicles	0	33	2	5	0	40	0	2	9	66	0	77	0	1	35	1	0	37	0	6	34	0	0	40	194
Peak Hour Heavy Vehicles %	0.00%	4.90%	1.17%	3.82%	0.00%	4.10%	0.00%	3.45%	2.38%	8.67%	0.00%	6.42%	0.00%	5.88%	21.60%	1.82%	0.00%	15.81%	0.00%	7.79%	6.13%	0.00%	0.00%	6.12%	6.33%
PHF	0.000	0.947	0.750	0.744	0.000	0.875	0.500	0.853	0.936	0.902	0.000	0.952	0.000	0.531	0.844	0.764	0.000	0.860	0.250	0.770	0.925	0.750	0.000	0.919	0.928

Total Vehicles On Leg				16211			
Vehicles Entering Intersection 8790				Vehicles Exiting Intersection 7421			
Southbound							
Cars	1232	1278	5807	1	6		
Heavy	39	57	376	0	8		
Total	1271	1335	6183	1	14		

Total Vehicles on Leg 10137	Vehicles Entering Intersection 5260	Eastbound	Cars	Heavy	Total	
			3	0	3	
			8	0	8	
	Vehicles Exiting Intersection 4877		928	26	954	
			3879	187	4066	
			226	6	232	

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 9092	Total Vehicles on Leg 19818
4830	357	5187			
3316	167	3483			
398	16	414		Vehicles Exiting Intersection 10726	
8	0	8			
2	7	9			

Cars	3	0	114	1201	452
Heavy	0	0	1	76	17
Total	3	0	115	1279	469
Northbound					
Vehicles Entering Intersection 1863			Vehicles Exiting Intersection 1981		
Total Vehicles On Leg			3844		

**TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025**

Time	Southbound Heavy 93rd Ln/Airport rd						Westbound Heavy CSAH 32						Northbound Heavy 93rd Ln/Airport rd						Eastbound Heavy CSAH 32						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 AM	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
12:45 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
Hourly 'Heavy Vehicles'	0	3	0	0	0	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
1:00 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
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
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	2	0	2	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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30 AM	0	1	0	0	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
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	2	0	0	0	2	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5
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	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
4:30 AM	0	2	0	0	0	2	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
4:45 AM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	3	1	0	0	4	0	0	1	5	0	6	0	0	0	0	0	0	0	0	0	0	0	0	10
5:00 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
5:15 AM	0	2	0	0	0	2	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
5:30 AM	0	0	1	0	0	1	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	6
5:45 AM	0	1	0	1	1	2	0	0	1	5	1	6	0	0	0	0	0	0	0	0	2	0	0	2	10
Hourly 'Heavy Vehicles'	0	4	1	1	1	6	0	0	3	11	1	14	0	0	0	0	0	0	0	0	2	0	0	2	22
6:00 AM	0	4	1	0	0	5	0	0	2	6	0	8	0	0	0	0	0	0	0	0	0	0	0	0	13
6:15 AM	0	9	1	2	0	12	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	15
6:30 AM	0	9	2	3	0	14	0	0	8	7	0	15	0	0	1	0	0	1	0	1	0	0	0	1	31
6:45 AM	0	16	5	4	0	25	0	0	8	8	1	16	0	0	0	0	0	0	0	0	0	0	0	0	41
Hourly 'Heavy Vehicles'	0	38	9	9	0	56	0	0	18	24	1	42	0	0	1	0	0	1	0	1	0	0	0	1	100
7:00 AM	0	13	6	2	1	21	0	0	6	6	0	12	0	0	0	0	0	0	0	1	2	1	0	4	37
7:15 AM	0	8	6	1	0	15	0	0	3	6	0	9	0	0	0	0	0	0	0	1	4	0	0	5	29
7:30 AM	0	10	3	1	0	14	0	0	3	7	0	10	0	0	0	1	0	1	0	0	0	0	0	0	25
7:45 AM	0	9	1	1	0	11	0	0	4	5	0	9	0	0	1	0	0	1	0	0	7	1	0	8	29
Hourly 'Heavy Vehicles'	0	40	16	5	1	61	0	0	16	24	0	40	0	0	1	1	0	2	0	2	13	2	0	17	120

**TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025**

	Southbound Heavy 93rd Ln/Airport rd						Westbound Heavy CSAH 32						Northbound Heavy 93rd Ln/Airport rd						Eastbound Heavy CSAH 32						VEHICLE 'Heavy Vehicles'	
Time	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	7	1	0	0	8	0	0	4	10	0	14	0	0	0	0	0	0	0	0	0	3	0	0	3	25
8:15 AM	0	9	1	0	0	10	0	0	3	9	0	12	0	0	2	0	0	0	2	0	0	4	0	0	4	28
8:30 AM	0	14	2	1	0	17	0	1	3	3	0	7	0	0	2	0	0	0	2	0	1	2	0	0	3	29
8:45 AM	0	7	1	0	1	8	0	1	5	1	0	7	0	0	0	0	0	0	0	0	0	3	0	0	3	18
Hourly 'Heavy Vehicles'	0	37	5	1	1	43	0	2	15	23	0	40	0	0	4	0	0	0	4	0	1	12	0	0	13	100
9:00 AM	0	3	0	0	0	3	0	0	3	9	0	12	0	0	2	0	0	0	2	0	0	10	0	0	10	27
9:15 AM	0	3	0	0	0	3	0	0	3	19	0	22	0	0	6	0	0	0	6	0	0	3	0	0	3	34
9:30 AM	0	7	1	2	0	10	0	0	3	4	0	7	0	0	2	0	0	0	2	0	1	4	1	0	6	25
9:45 AM	0	5	0	0	0	5	0	0	1	7	0	8	0	0	6	1	0	0	7	0	0	7	0	0	7	27
Hourly 'Heavy Vehicles'	0	18	1	2	0	21	0	0	10	39	0	49	0	0	16	1	0	0	17	0	1	24	1	0	26	113
10:00 AM	0	4	0	2	0	6	0	0	6	7	0	13	0	0	1	0	0	0	1	0	0	1	0	0	1	21
10:15 AM	0	8	0	1	1	9	0	0	3	6	0	9	0	0	1	0	0	0	1	0	0	1	0	0	1	20
10:30 AM	0	5	1	0	0	6	0	0	1	5	0	6	0	0	1	0	0	0	1	0	0	0	0	0	0	13
10:45 AM	0	3	0	0	0	3	0	1	3	2	0	6	0	0	0	0	0	0	0	0	1	3	0	0	4	13
Hourly 'Heavy Vehicles'	0	20	1	3	1	24	0	1	13	20	0	34	0	0	3	0	0	0	3	0	1	5	0	0	6	67
11:00 AM	0	6	0	1	0	7	0	0	2	5	0	7	0	0	2	2	0	0	4	0	3	2	0	0	5	23
11:15 AM	0	4	0	0	0	4	0	2	0	9	0	11	0	0	0	1	0	0	1	0	0	5	0	0	5	21
11:30 AM	0	5	0	0	0	5	0	2	2	5	0	9	0	0	2	0	0	0	2	0	0	2	0	0	2	18
11:45 AM	0	5	1	1	0	7	0	0	3	4	0	7	0	0	0	0	0	0	0	0	1	5	0	0	6	20
Hourly 'Heavy Vehicles'	0	20	1	2	0	23	0	4	7	23	0	34	0	0	4	3	0	0	7	0	4	14	0	0	18	82
12:00 PM	0	5	0	0	0	5	0	0	5	6	0	11	0	0	0	1	0	0	1	0	1	1	0	0	2	19
12:15 PM	0	4	1	2	0	7	0	0	1	4	0	5	0	0	2	4	0	0	6	0	0	4	2	0	6	24
12:30 PM	0	4	3	0	0	7	0	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	12
12:45 PM	0	4	0	0	1	4	0	1	3	4	0	8	0	0	1	0	0	0	1	0	0	2	0	0	2	15
Hourly 'Heavy Vehicles'	0	17	4	2	1	23	0	1	11	17	0	29	0	0	3	5	0	0	8	0	1	7	2	0	10	70
1:00 PM	0	9	0	0	0	9	0	1	2	3	0	6	0	0	0	0	0	0	0	0	0	1	0	0	1	16
1:15 PM	0	4	0	1	0	5	0	1	0	5	0	6	0	0	0	0	0	0	0	0	0	3	0	0	3	14
1:30 PM	0	5	2	0	0	7	0	0	6	10	0	16	0	0	0	2	0	0	2	0	1	1	0	0	2	27
1:45 PM	0	9	1	0	0	10	0	1	2	8	0	11	0	0	2	0	0	0	2	0	1	3	0	0	4	27
Hourly 'Heavy Vehicles'	0	27	3	1	0	31	0	3	10	26	0	39	0	0	2	2	0	0	4	0	2	8	0	0	10	84
2:00 PM	0	17	3	0	0	20	0	0	4	12	0	16	0	0	1	0	0	0	1	0	1	4	0	0	5	42
2:15 PM	0	3	2	2	0	7	0	0	5	13	0	18	0	0	0	2	0	0	2	0	0	4	0	0	4	31
2:30 PM	0	5	1	1	0	7	0	1	2	6	0	9	0	0	0	0	0	0	0	0	0	5	0	0	5	21
2:45 PM	0	5	1	1	0	7	0	0	3	4	0	7	0	0	0	2	0	0	2	0	1	4	0	0	5	21
Hourly 'Heavy Vehicles'	0	30	7	4	0	41	0	1	14	35	0	50	0	0	1	4	0	0	5	0	2	17	0	0	19	115
3:00 PM	0	10	2	3	0	15	0	1	2	6	0	9	0	0	0	0	0	0	0	0	1	3	0	0	4	28
3:15 PM	0	11	0	0	0	11	0	0	8	3	0	11	0	0	0	0	0	0	0	0	1	9	0	0	10	32
3:30 PM	0	2	0	0	0	2	0	0	9	7	0	16	0	0	1	0	0	0	1	0	1	4	1	0	6	25
3:45 PM	0	11	0	0	0	11	0	0	3	3	0	6	0	0	2	0	0	0	2	0	0	5	0	0	5	24
Hourly 'Heavy Vehicles'	0	34	2	3	0	39	0	1	22	19	0	42	0	0	3	0	0	0	3	0	3	21	1	0	25	109

TMC 2558 - CSAH 32 @ Airport Rd
Blaine MN
Thursday, May 15, 2025

Time	Southbound Heavy 93rd Ln/Airport rd						Westbound Heavy CSAH 32						Northbound Heavy 93rd Ln/Airport rd						Eastbound Heavy CSAH 32						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	18	1	0	0	19	0	0	3	3	2	6	0	0	2	0	0	2	0	1	6	0	0	7	34
4:15 PM	0	10	0	2	0	12	0	2	2	12	0	16	0	1	3	0	0	4	0	0	9	0	0	9	41
4:30 PM	0	6	1	0	0	7	0	0	5	21	0	26	0	0	10	1	0	11	0	4	13	0	0	17	61
4:45 PM	0	11	1	1	0	13	0	0	1	22	0	23	0	0	13	0	0	13	0	2	9	0	0	11	60
Hourly 'Heavy Vehicles'	0	45	3	3	0	51	0	2	11	58	2	71	0	1	28	1	0	30	0	7	37	0	0	44	196
5:00 PM	0	6	0	2	0	8	0	0	1	11	0	12	0	0	9	0	0	9	0	0	3	0	0	3	32
5:15 PM	0	5	0	0	0	5	0	0	0	4	0	4	0	0	0	0	0	0	0	0	4	0	0	4	13
5:30 PM	0	1	1	0	0	2	0	0	1	2	0	3	0	0	1	0	0	1	0	0	1	0	0	1	7
5:45 PM	0	5	0	0	0	5	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	7
Hourly 'Heavy Vehicles'	0	17	1	2	0	20	0	0	4	17	0	21	0	0	10	0	0	10	0	0	8	0	0	8	59
6:00 PM	0	1	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	4	0	0	4	6
6:15 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3
6:30 PM	0	2	1	0	0	3	0	0	2	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	7
6:45 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Hourly 'Heavy Vehicles'	0	6	1	0	1	7	0	0	2	1	2	3	0	0	2	0	0	2	0	0	6	0	0	6	18
7:00 PM	0	0	1	1	0	2	0	1	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	5
7:15 PM	0	2	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	5
7:30 PM	0	2	0	0	0	2	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6
7:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Hourly 'Heavy Vehicles'	0	4	1	1	0	6	0	1	3	3	0	7	0	0	0	0	0	0	0	1	3	0	0	4	17
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:15 PM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
8:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:45 PM	0	4	0	0	2	4	0	0	1	0	1	1	0	0	0	0	0	0	0	0	2	0	0	2	7
Hourly 'Heavy Vehicles'	0	5	0	0	2	5	0	0	1	1	1	2	0	0	0	0	0	0	0	0	7	0	0	7	14
9:00 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
9:15 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	0	0	2	4
9:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	2	0	0	0	2	0	0	1	2	0	3	0	0	0	0	0	0	0	0	2	0	0	2	7
10:00 PM	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
10:15 PM	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
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	4	0	0	0	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
11:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
11:15 PM	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
11:30 PM	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
11:45 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	3	2	0	5	0	0	0	0	0	0	0	0	1	0	0	1	6
DAILY 'Heavy Vehicles'	0	376	57	39	8	472	0	16	167	357	7	540	0	1	78	17	0	96	0	26	187	6	0	219	1327

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 32

Number of Lanes : 2+

Total Approach Volume: 5,260

Westbound: CSAH 32

Number of Lanes :2+

Total Approach Volume: 9,092

Minor Street Approaches

Northbound: 93rd Ln/Airport Rd

Number of Lanes :2+

Total Approach Volume: 1,394

Southbound: 93rd Ln/Airport Rd

Number of Lanes :2+

Total Approach Volume: 7,519

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 14 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Satisfied

Required volumes reached for 12 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Satisfied

Required 1A volumes reached for 16 hours, 8 are needed

Required 1B volumes reached for 13 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Satisfied

Number of hours (14) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

Warrant 3A - Peak Hour Delay.....Satisfied

Number of one hour periods (53) volumes exceed minimum >= required (1). Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Satisfied

Volumes exceed minimums for at least one hour period.

Warrant 4 - Pedestrian Volumes.....Not Evaluated

Warrant 5 - School Crossing.....Not Evaluated

Warrant 6 - Coordinated Signal System.....Not Evaluated

Warrant 7 - Crash Experience.....Not Evaluated

Warrant 8 - Roadway Network.....Not Evaluated

Warrant 9 - Intersection Near a Grade Crossing.....Not Evaluated

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

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

14 one hour periods meet minimums.
Warrant IS 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 = **420**

Veh/Hr Minor = **140**

Major Road						Minor Road			
CSAH 32						93rd Ln/Airport Rd			
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?	
16:30 - 17:30	607	+	1158	=	1765	178	833	Yes	
15:30 - 16:30	626	+	1035	=	1661	157	708	Yes	
14:30 - 15:30	458	+	868	=	1326	90	624	Yes	
07:30 - 08:30	330	+	676	=	1006	63	954	Yes	
06:30 - 07:30	273	+	604	=	877	88	578	Yes	
13:30 - 14:30	287	+	587	=	874	84	370	Yes	
17:30 - 18:30	303	+	531	=	834	100	384	Yes	
12:30 - 13:30	303	+	456	=	759	56	293	Yes	
11:30 - 12:30	269	+	455	=	724	70	334	Yes	
08:30 - 09:30	268	+	449	=	717	87	520	Yes	
10:30 - 11:30	234	+	394	=	628	70	251	Yes	
09:30 - 10:30	205	+	399	=	604	70	311	Yes	
18:30 - 19:30	213	+	304	=	517	82	238	Yes	
05:30 - 06:30	188	+	268	=	456	59	273	Yes	
19:45 - 20:45	184	+	212	=	396	43	218	No	
19:30 - 20:30	182	+	210	=	392	50	227	No	
20:00 - 21:00	182	+	210	=	392	35	194	No	
05:15 - 06:15	153	+	230	=	383	41	214	No	
20:15 - 21:15	176	+	206	=	382	29	177	No	
20:30 - 21:30	149	+	193	=	342	31	159	No	
05:00 - 06:00	124	+	181	=	305	39	192	No	
20:45 - 21:45	125	+	173	=	298	24	140	No	
21:00 - 22:00	123	+	146	=	269	22	135	No	
21:15 - 22:15	121	+	128	=	249	17	125	No	
04:45 - 05:45	96		148		244	35	172	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

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

12 one hour periods meet minimums.
Warrant IS 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 = **630**

Veh/Hr Minor = **70**

Major Road						Minor Road			
CSAH 32						93rd Ln/Airport Rd			
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?	
15:45 - 16:45	645	+	1077	=	1722	160	784	Yes	
16:45 - 17:45	514	+	1023	=	1537	166	709	Yes	
14:45 - 15:45	507	+	982	=	1489	116	634	Yes	
07:00 - 08:00	325	+	721	=	1046	81	870	Yes	
13:45 - 14:45	329	+	590	=	919	77	441	Yes	
08:00 - 09:00	283	+	518	=	801	65	716	Yes	
12:45 - 13:45	299	+	490	=	789	67	287	Yes	
11:45 - 12:45	281	+	457	=	738	65	338	Yes	
17:45 - 18:45	271	+	429	=	700	86	335	Yes	
09:00 - 10:00	240	+	437	=	677	93	381	Yes	
10:45 - 11:45	245	+	416	=	661	72	261	Yes	
06:00 - 07:00	237	+	423	=	660	79	403	Yes	
10:30 - 11:30	234	+	394	=	628	70	251	No	
10:15 - 11:15	227	+	368	=	595	68	265	No	
10:00 - 11:00	198	+	372	=	570	63	260	No	
05:45 - 06:45	211	+	349	=	560	69	319	No	
18:45 - 19:45	205	+	283	=	488	78	236	No	
19:00 - 20:00	199	+	258	=	457	66	218	No	
05:30 - 06:30	188	+	268	=	456	59	273	No	
19:15 - 20:15	180	+	242	=	422	60	232	No	
19:45 - 20:45	184	+	212	=	396	43	218	No	
20:00 - 21:00	182	+	210	=	392	35	194	No	
19:30 - 20:30	182	+	210	=	392	50	227	No	
05:15 - 06:15	153	+	230	=	383	41	214	No	
20:15 - 21:15	176		206		382	29	177	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

Warrant 1C Combination of Warrants

Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

Summary

16 hours meet 1A minimums.
13 hours meet 1B minimums.
Warrant IS 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 = **336 504**
Veh/Hr Minor = **112 56**

Major Road						Minor Road				
CSAH 32						93rd Ln/Airport Rd				
Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1A?
16:15 - 17:15	654	+	1199	=	1853	179		845		Yes
15:15 - 16:15	620	+	1005	=	1625	137		690		Yes
14:15 - 15:15	380	+	774	=	1154	81		555		Yes
07:15 - 08:15	321	+	719	=	1040	69		943		Yes
17:15 - 18:15	353	+	671	=	1024	123		487		Yes
13:15 - 14:15	297	+	540	=	837	78		326		Yes
08:15 - 09:15	297	+	476	=	773	82		634		Yes
06:15 - 07:15	252	+	513	=	765	93		487		Yes
12:15 - 13:15	293	+	450	=	743	70		310		Yes
11:15 - 12:15	262	+	474	=	736	61		320		Yes
09:15 - 10:15	202	+	414	=	616	79		324		Yes
10:15 - 11:15	227		368		595	68		265		Yes

Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1B?
15:45 - 16:45	645	+	1077	=	1722	160		784		Yes
16:45 - 17:45	514	+	1023	=	1537	166		709		Yes
14:45 - 15:45	507	+	982	=	1489	116		634		Yes
06:45 - 07:45	299	+	653	=	952	83		733		Yes
13:45 - 14:45	329	+	590	=	919	77		441		Yes
07:45 - 08:45	301	+	613	=	914	63		845		Yes
12:45 - 13:45	299	+	490	=	789	67		287		Yes
11:45 - 12:45	281	+	457	=	738	65		338		Yes
08:45 - 09:45	272	+	458	=	730	82		461		Yes
17:45 - 18:45	271	+	429	=	700	86		335		Yes
10:45 - 11:45	245	+	416	=	661	72		261		Yes
09:45 - 10:45	196		369		565	70		285		Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

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.

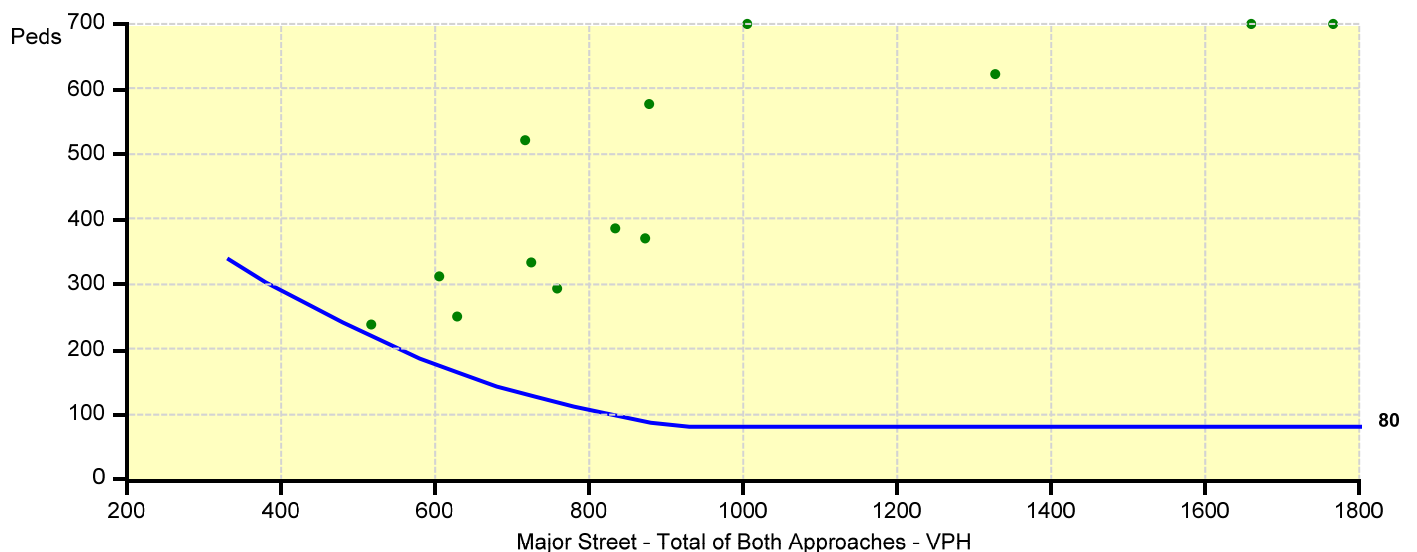
Summary

14 one hour periods meet minimums.
Warrant IS 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 32						93rd Ln/Airport Rd		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:30 - 17:30	607	+	1158	=	1765	178	833	Yes
15:30 - 16:30	626	+	1035	=	1661	157	708	Yes
14:30 - 15:30	458	+	868	=	1326	90	624	Yes
07:30 - 08:30	330	+	676	=	1006	63	954	Yes
06:30 - 07:30	273	+	604	=	877	88	578	Yes
13:30 - 14:30	287	+	587	=	874	84	370	Yes
17:30 - 18:30	303	+	531	=	834	100	384	Yes
12:30 - 13:30	303	+	456	=	759	56	293	Yes
11:30 - 12:30	269	+	455	=	724	70	334	Yes
08:30 - 09:30	268	+	449	=	717	87	520	Yes
10:30 - 11:30	234	+	394	=	628	70	251	Yes
09:30 - 10:30	205	+	399	=	604	70	311	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2558

Study Date : 06/09/2025

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

43 one hour periods meet minimums.
Warrant IS 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 32						93rd Ln/Airport Rd		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:15 - 17:15	654	+	1199	=	1853	179	845	Yes
16:00 - 17:00	657	+	1155	=	1812	173	797	Yes
16:30 - 17:30	607	+	1158	=	1765	178	833	Yes
15:45 - 16:45	645	+	1077	=	1722	160	784	Yes
15:30 - 16:30	626	+	1035	=	1661	157	708	Yes
15:15 - 16:15	620	+	1005	=	1625	137	690	Yes
15:00 - 16:00	582	+	1011	=	1593	134	686	Yes
16:45 - 17:45	514	+	1023	=	1537	166	709	Yes
14:45 - 15:45	507	+	982	=	1489	116	634	Yes
14:30 - 15:30	458	+	868	=	1326	90	624	Yes
17:00 - 18:00	437	+	885	=	1322	143	627	Yes
14:15 - 15:15	380		774		1154	81	555	Yes

