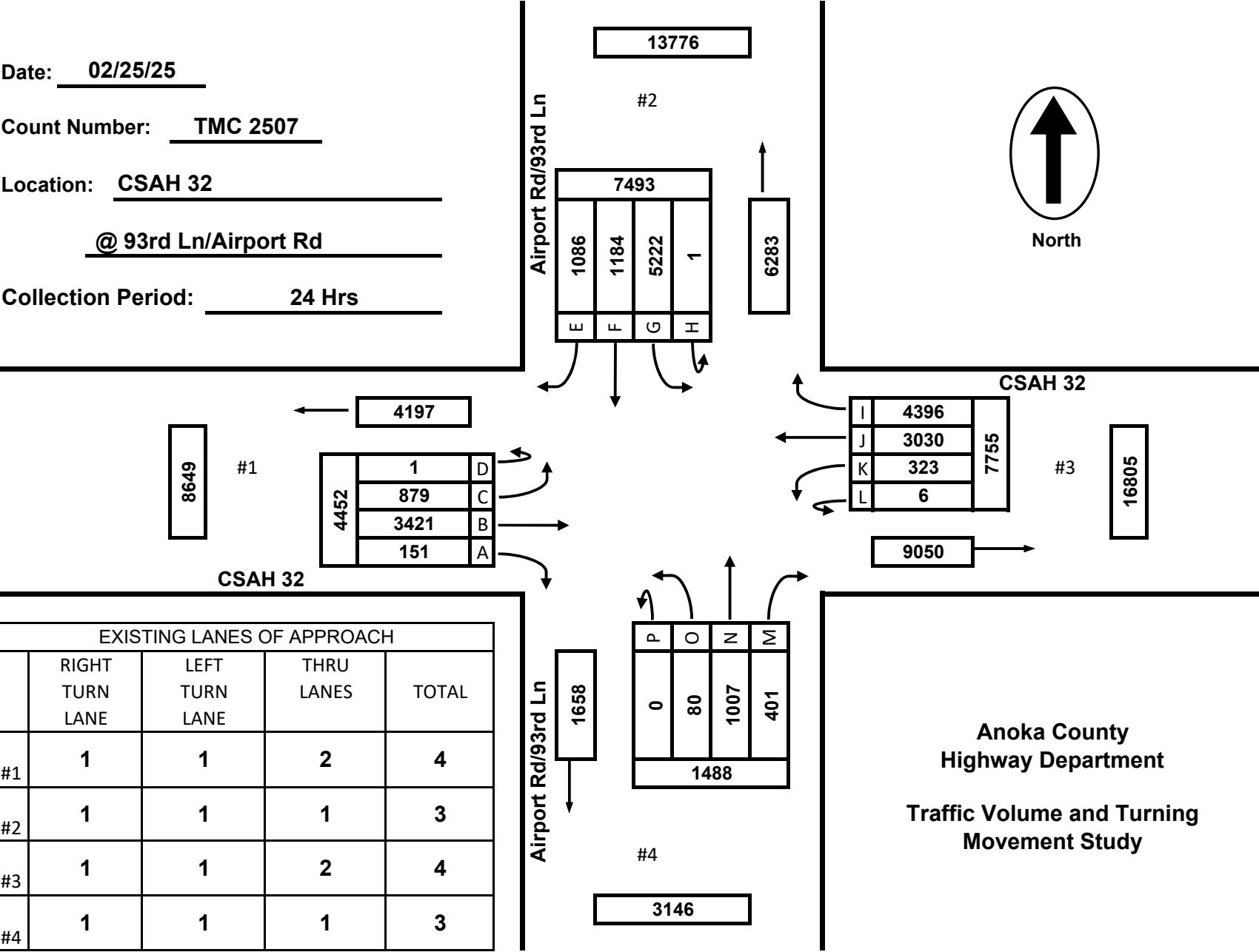


Date: 02/25/25

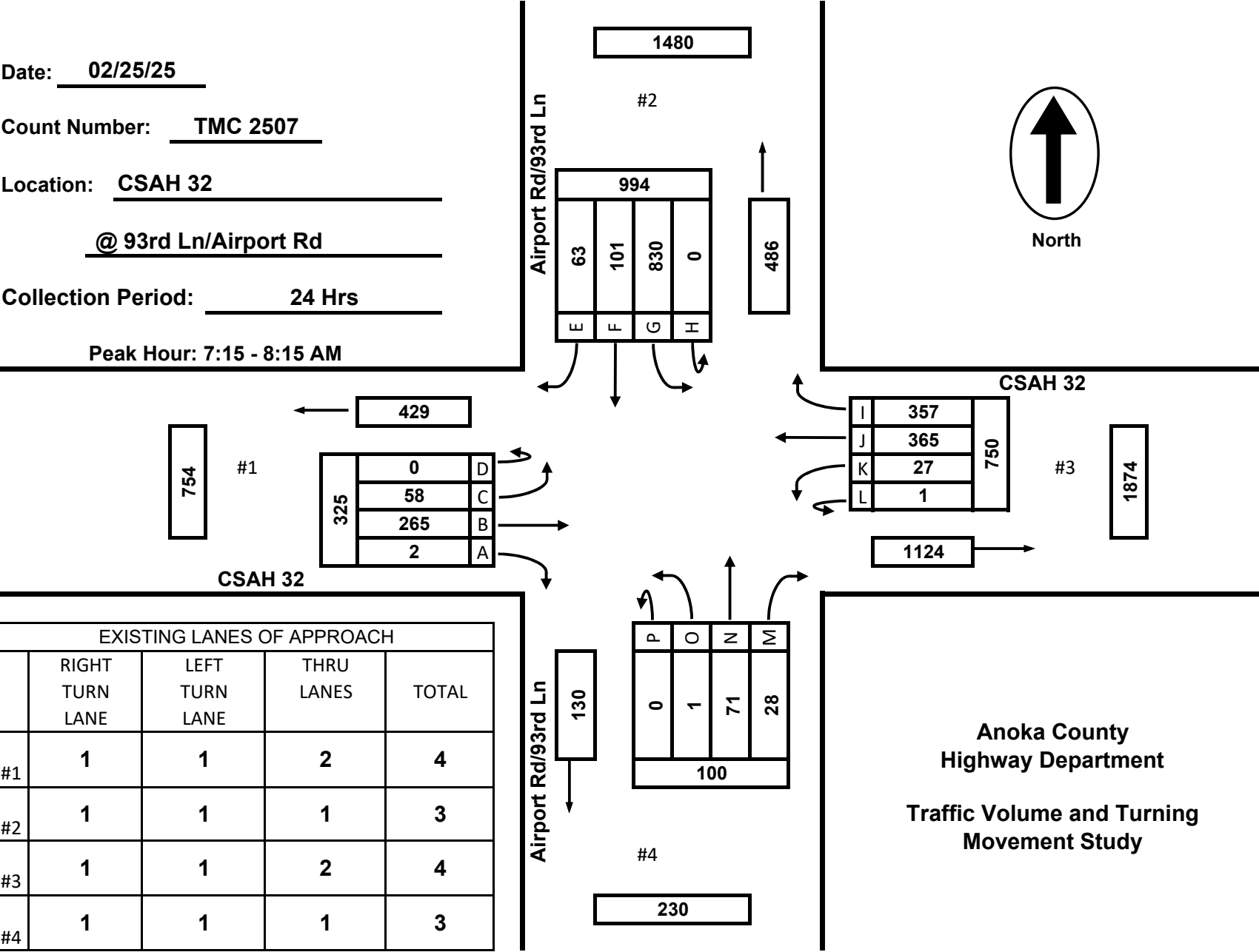
Count Number: TMC 2507

Location: CSAH 32
@ 93rd Ln/Airport Rd

Collection Period: 24 Hrs

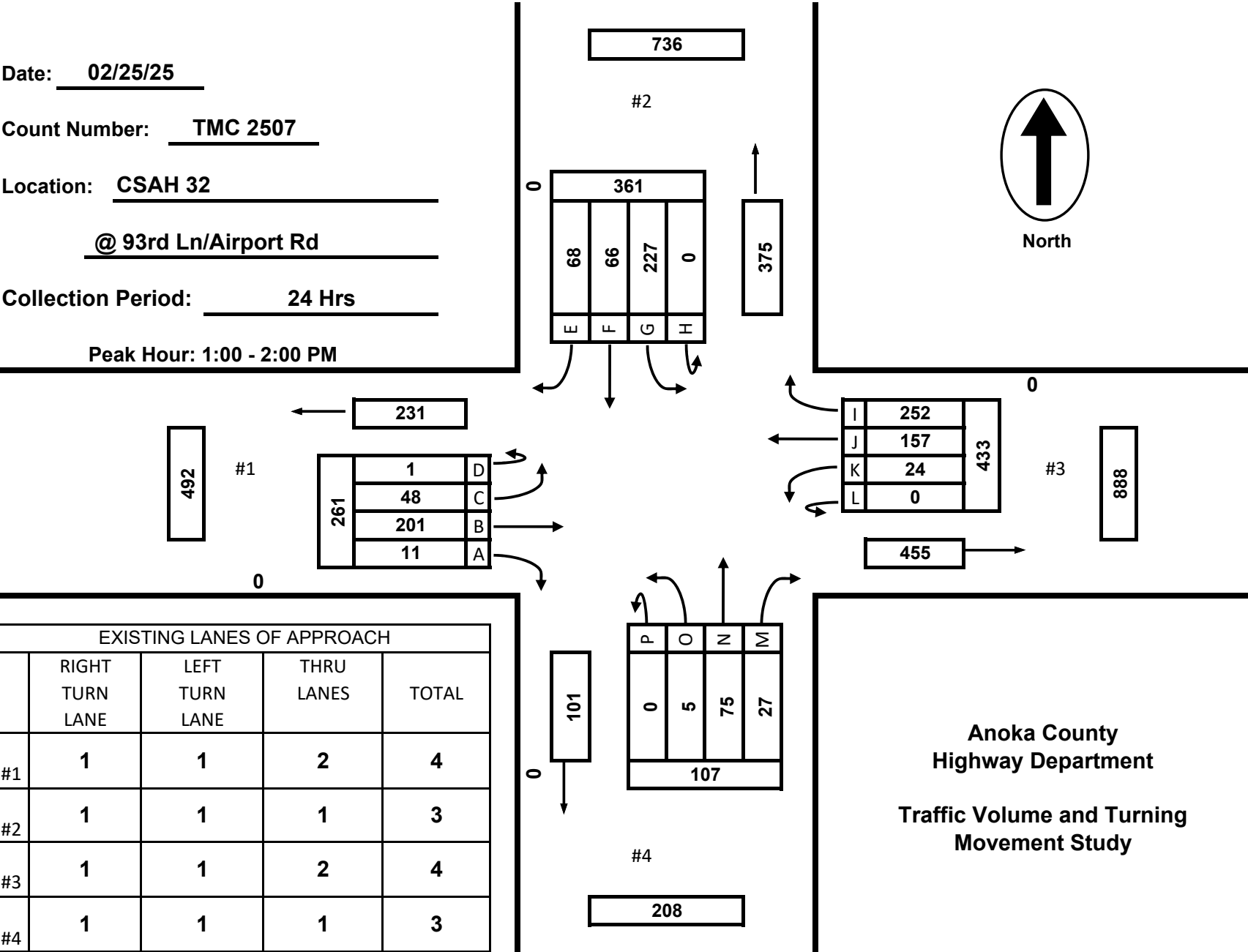


Date: 02/25/25
 Count Number: TMC 2507
 Location: CSAH 32
@ 93rd Ln/Airport Rd
 Collection Period: 24 Hrs
 Peak Hour: 7:15 - 8:15 AM



Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

Date: 02/25/25
Count Number: TMC 2507
Location: CSAH 32
@ 93rd Ln/Airport Rd
Collection Period: 24 Hrs
Peak Hour: 1:00 - 2:00 PM



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Peak Hour: 4:15 - 5:15 PM

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

TMC 2507 - CSAH 32 @ 93rd Ln/Airport Rd
Blaine MN
Tuesday, February 25, 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	2	3	2	0	7	0	0	3	2	0	5	0	1	0	0	0	1	0	1	4	0	0	5	18
12:15 AM	0	5	0	1	0	6	0	0	3	2	0	5	0	0	1	1	0	2	0	0	2	0	0	2	15
12:30 AM	0	2	4	0	0	6	0	0	2	3	0	5	0	0	1	0	0	1	0	1	1	1	0	3	15
12:45 AM	0	5	1	0	0	6	0	1	1	4	0	6	0	0	0	0	0	0	0	2	2	0	0	4	16
Hourly Total	0	14	8	3	0	25	0	1	9	11	0	21	0	1	2	1	0	4	0	4	9	1	0	14	64
1:00 AM	0	1	0	1	0	2	0	0	1	4	0	5	0	0	0	1	0	1	0	0	8	0	0	8	16
1:15 AM	0	5	1	1	0	7	0	0	0	2	0	2	0	0	0	0	0	0	0	0	3	0	0	3	12
1:30 AM	0	2	0	3	0	5	0	0	5	4	0	9	0	0	0	0	0	0	0	1	3	0	0	4	18
1:45 AM	0	4	0	0	0	4	0	0	3	3	0	6	0	0	0	0	0	0	0	1	1	0	0	2	12
Hourly Total	0	12	1	5	0	18	0	0	9	13	0	22	0	0	0	1	0	1	0	2	15	0	0	17	58
2:00 AM	0	3	0	3	0	6	0	2	3	2	0	7	0	0	0	0	0	0	0	0	1	1	0	2	15
2:15 AM	0	4	2	0	0	6	0	1	2	2	0	5	0	0	1	0	0	1	0	1	6	0	0	7	19
2:30 AM	0	2	0	0	0	2	0	1	8	7	0	16	0	0	0	1	0	1	0	0	0	0	0	0	19
2:45 AM	0	7	1	2	0	10	0	0	2	4	0	6	0	0	0	0	0	0	0	0	1	0	0	1	17
Hourly Total	0	16	3	5	0	24	0	4	15	15	0	34	0	0	1	1	0	2	0	1	8	1	0	10	70
3:00 AM	0	5	0	0	0	5	0	0	3	4	0	7	0	0	1	0	0	1	0	2	3	0	0	5	18
3:15 AM	0	9	2	0	0	11	0	0	0	5	0	5	0	0	1	0	0	1	0	0	2	0	0	2	19
3:30 AM	1	12	0	0	0	13	0	0	4	5	0	9	0	0	2	0	0	2	0	1	2	0	0	3	27
3:45 AM	0	8	0	1	0	9	0	0	4	13	0	17	0	0	1	0	0	1	0	0	3	0	0	3	30
Hourly Total	1	34	2	1	0	38	0	0	11	27	0	38	0	0	5	0	0	5	0	3	10	0	0	13	94
4:00 AM	0	10	0	1	0	11	0	1	5	4	0	10	0	0	0	1	0	1	0	0	7	0	0	7	29
4:15 AM	0	20	0	0	0	20	0	0	6	6	0	12	0	0	2	0	0	2	0	4	7	1	0	12	46
4:30 AM	0	32	1	1	0	34	0	1	9	15	0	25	0	0	4	1	0	5	0	1	10	0	0	11	75
4:45 AM	0	45	0	1	0	46	0	0	17	17	0	34	0	1	5	3	0	9	0	5	20	0	0	25	114
Hourly Total	0	107	1	3	0	111	0	2	37	42	0	81	0	1	11	5	0	17	0	10	44	1	0	55	264
5:00 AM	0	23	0	2	0	25	0	1	11	14	0	26	0	0	9	0	0	9	0	4	14	2	0	20	80
5:15 AM	0	28	0	4	0	32	0	0	13	22	0	35	0	2	9	0	0	11	0	9	15	0	0	24	102
5:30 AM	0	47	2	7	0	56	0	2	33	24	0	59	0	0	11	0	0	11	0	15	18	0	0	33	159
5:45 AM	0	68	2	5	0	75	0	2	24	22	0	48	0	1	7	7	0	15	0	18	25	0	0	43	181
Hourly Total	0	166	4	18	0	188	0	5	81	82	0	168	0	3	36	7	0	46	0	46	72	2	0	120	522
6:00 AM	0	58	5	9	0	72	0	1	18	36	0	55	0	0	10	3	0	13	0	19	20	0	0	39	179
6:15 AM	0	79	6	11	0	96	0	2	30	45	0	77	0	0	18	1	0	19	0	15	32	0	0	47	239
6:30 AM	0	82	8	9	0	99	0	2	41	63	0	106	0	0	14	2	2	16	0	21	26	2	2	49	270
6:45 AM	0	128	24	20	0	172	0	4	58	80	0	142	0	0	21	6	0	27	0	15	48	2	0	65	406
Hourly Total	0	347	43	49	0	439	0	9	147	224	0	380	0	0	63	12	2	75	0	70	126	4	2	200	1094
7:00 AM	0	116	29	20	0	165	0	5	69	70	0	144	0	1	10	3	0	14	0	15	42	1	0	58	381
7:15 AM	0	201	40	14	1	255	0	9	62	95	0	166	0	0	19	4	0	23	0	7	56	1	0	64	508
7:30 AM	0	191	21	15	0	227	0	8	97	94	0	199	0	1	22	6	0	29	0	16	62	1	0	79	534
7:45 AM	0	226	20	14	1	260	0	6	124	83	0	213	0	0	16	10	0	26	0	15	78	0	0	93	592
Hourly Total	0	734	110	63	2	907	0	28	352	342	0	722	0	2	67	23	0	92	0	53	238	3	0	294	2015

TMC 2507 - CSAH 32 @ 93rd Ln/Airport Rd
Blaine MN
Tuesday, February 25, 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	212	20	20	0	252	1	4	82	85	0	172	0	0	14	8	0	22	0	20	69	0	0	89	535
8:15 AM	0	198	33	22	1	253	0	6	37	68	0	111	0	1	21	7	0	29	0	14	53	2	0	69	462
8:30 AM	0	147	24	19	0	190	0	8	60	48	0	116	0	1	11	9	0	21	0	15	63	6	0	84	411
8:45 AM	0	132	18	20	0	170	0	4	58	68	0	130	0	0	18	7	0	25	0	17	39	1	0	57	382
Hourly Total	0	689	95	81	1	865	1	22	237	269	0	529	0	2	64	31	0	97	0	66	224	9	0	299	1790
9:00 AM	0	67	9	12	0	88	0	1	47	47	0	95	0	1	18	5	0	24	0	15	61	1	0	77	284
9:15 AM	0	74	16	12	0	102	0	4	49	54	0	107	0	0	17	6	0	23	0	13	45	1	0	59	291
9:30 AM	0	65	13	20	0	98	0	1	57	53	0	111	0	2	13	6	0	21	0	11	43	0	0	54	284
9:45 AM	0	79	10	15	0	104	0	4	32	37	0	73	0	2	16	3	0	21	0	19	32	1	0	52	250
Hourly Total	0	285	48	59	0	392	0	10	185	191	0	386	0	5	64	20	0	89	0	58	181	3	0	242	1109
10:00 AM	0	55	16	16	0	87	0	6	42	43	0	91	0	1	5	3	0	9	0	13	35	1	0	49	236
10:15 AM	0	46	15	17	0	78	0	5	33	35	0	73	0	0	14	10	0	24	0	10	55	2	0	67	242
10:30 AM	0	52	7	11	0	70	1	3	37	34	0	75	0	1	8	1	0	10	0	11	28	6	0	45	200
10:45 AM	0	48	13	11	0	72	0	3	43	44	0	90	0	0	10	4	0	14	0	12	30	2	0	44	220
Hourly Total	0	201	51	55	0	307	1	17	155	156	0	329	0	2	37	18	0	57	0	46	148	11	0	205	898
11:00 AM	0	36	15	8	0	59	0	4	34	46	0	84	0	1	15	8	0	24	0	11	36	3	0	50	217
11:15 AM	0	47	13	14	0	74	0	1	37	42	0	80	0	0	14	9	0	23	0	14	53	1	0	68	245
11:30 AM	0	58	19	11	0	88	0	3	49	55	0	107	0	2	14	3	0	19	0	14	50	1	0	65	279
11:45 AM	0	47	21	10	0	78	0	5	60	51	0	116	0	0	14	4	0	18	0	15	51	1	0	67	279
Hourly Total	0	188	68	43	0	299	0	13	180	194	0	387	0	3	57	24	0	84	0	54	190	6	0	250	1020
12:00 PM	0	42	16	20	0	78	0	4	49	56	0	109	0	0	17	6	0	23	0	14	55	2	0	71	281
12:15 PM	0	54	14	16	0	84	0	7	42	44	0	93	0	1	13	7	0	21	0	12	43	5	0	60	258
12:30 PM	0	49	11	18	1	78	0	6	47	56	0	109	0	3	11	9	1	23	0	18	48	3	1	69	279
12:45 PM	0	62	16	11	0	89	0	4	45	49	0	98	0	1	15	5	0	21	0	14	41	1	0	56	264
Hourly Total	0	207	57	65	1	329	0	21	183	205	0	409	0	5	56	27	1	88	0	58	187	11	1	256	1082
1:00 PM	0	53	17	17	0	87	0	6	45	69	0	120	0	2	20	3	1	25	0	11	56	6	1	73	305
1:15 PM	0	51	17	16	0	84	0	3	47	49	0	99	0	0	18	4	0	22	0	13	60	1	0	74	279
1:30 PM	0	55	14	11	0	80	0	6	34	71	0	111	0	1	12	7	0	20	0	16	43	2	0	61	272
1:45 PM	0	68	18	24	0	110	0	9	31	63	0	103	0	2	25	13	0	40	1	8	42	2	0	53	306
Hourly Total	0	227	66	68	0	361	0	24	157	252	0	433	0	5	75	27	1	107	1	48	201	11	1	261	1162
2:00 PM	0	68	23	14	0	105	0	5	57	77	0	139	0	3	9	11	1	23	0	11	55	2	1	68	335
2:15 PM	0	67	16	18	0	101	0	4	59	71	0	134	0	0	11	6	0	17	0	13	59	3	0	75	327
2:30 PM	0	70	15	16	0	101	0	9	58	83	1	150	0	2	20	6	0	28	0	12	54	1	0	67	346
2:45 PM	0	64	22	30	1	116	0	12	51	67	0	130	0	0	15	6	0	21	0	12	61	3	0	76	343
Hourly Total	0	269	76	78	1	423	0	30	225	298	1	553	0	5	55	29	1	89	0	48	229	9	1	286	1351
3:00 PM	0	71	22	24	2	117	0	9	59	107	0	175	0	2	21	10	0	33	0	14	80	2	0	96	421
3:15 PM	0	93	28	25	0	146	0	3	48	95	0	146	0	4	17	9	0	30	0	16	83	4	0	103	425
3:30 PM	0	88	22	18	0	128	1	4	78	129	0	212	0	1	18	10	0	29	0	14	83	1	0	98	467
3:45 PM	0	96	27	19	0	142	0	9	56	117	0	182	0	1	24	3	0	28	0	31	104	3	0	138	490
Hourly Total	0	348	99	86	2	533	1	25	241	448	0	715	0	8	80	32	0	120	0	75	350	10	0	435	1803

TMC 2507 - CSAH 32 @ 93rd Ln/Airport Rd
Blaine MN
Tuesday, February 25, 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	98	26	27	0	151	1	3	60	143	0	207	0	2	25	14	0	41	0	16	87	4	0	107	506
4:15 PM	0	96	34	21	1	151	0	10	46	163	0	219	0	2	24	9	0	35	0	15	97	3	0	115	520
4:30 PM	0	105	32	27	2	164	0	7	93	168	0	268	0	2	40	13	0	55	0	19	100	5	0	124	611
4:45 PM	0	116	29	28	2	173	1	5	63	178	0	247	0	0	31	16	0	47	0	29	91	4	0	124	591
Hourly Total	0	415	121	103	5	639	2	25	262	652	0	941	0	6	120	52	0	178	0	79	375	16	0	470	2228
5:00 PM	0	100	42	30	0	172	0	12	76	183	1	271	0	0	30	11	0	41	0	15	96	4	0	115	599
5:15 PM	0	104	38	32	0	174	0	3	57	125	0	185	0	2	23	10	0	35	0	8	79	1	0	88	482
5:30 PM	0	77	15	21	0	113	1	10	58	83	0	152	0	5	11	11	0	27	0	12	69	1	0	82	374
5:45 PM	0	55	19	17	0	91	0	3	35	65	0	103	0	4	17	10	0	31	0	16	53	1	0	70	295
Hourly Total	0	336	114	100	0	550	1	28	226	456	1	711	0	11	81	42	0	134	0	51	297	7	0	355	1750
6:00 PM	0	73	20	11	0	104	0	9	28	76	0	113	0	4	10	6	0	20	0	5	46	6	0	57	294
6:15 PM	0	60	15	14	0	89	0	7	37	49	0	93	0	0	10	5	0	15	0	13	64	3	0	80	277
6:30 PM	0	51	22	14	0	87	0	5	28	38	1	71	0	2	11	1	0	14	0	5	51	2	0	58	230
6:45 PM	0	34	18	11	0	63	0	6	25	43	0	74	0	2	9	5	0	16	0	8	25	1	0	34	187
Hourly Total	0	218	75	50	0	343	0	27	118	206	1	351	0	8	40	17	0	65	0	31	186	12	0	229	988
7:00 PM	0	41	18	16	0	75	0	5	25	31	0	61	0	1	12	3	0	16	0	4	27	1	0	32	184
7:15 PM	0	26	14	13	0	53	0	4	23	29	0	56	0	4	8	1	0	13	0	5	25	5	0	35	157
7:30 PM	0	40	12	15	1	67	0	4	18	19	0	41	0	1	10	2	0	13	0	11	35	4	0	50	171
7:45 PM	0	36	14	7	0	57	0	0	15	8	0	23	0	2	3	6	0	11	0	7	26	1	0	34	125
Hourly Total	0	143	58	51	1	252	0	13	81	87	0	181	0	8	33	12	0	53	0	27	113	11	0	151	637
8:00 PM	0	26	7	13	0	46	0	2	16	21	0	39	0	0	8	7	0	15	0	3	30	7	0	40	140
8:15 PM	0	44	7	11	0	62	0	3	13	19	0	35	0	1	4	0	0	5	0	4	26	1	0	31	133
8:30 PM	0	21	7	9	1	37	0	0	11	21	0	32	0	1	7	1	0	9	0	8	21	1	0	30	108
8:45 PM	0	23	10	12	0	45	0	2	12	10	0	24	0	1	7	3	0	11	0	3	19	3	0	25	105
Hourly Total	0	114	31	45	1	190	0	7	52	71	0	130	0	3	26	11	0	40	0	18	96	12	0	126	486
9:00 PM	0	18	5	8	0	31	0	1	11	25	0	37	0	0	6	1	0	7	0	6	17	2	0	25	100
9:15 PM	0	20	11	9	0	40	0	2	9	16	0	27	0	0	7	1	0	8	0	1	21	2	0	24	99
9:30 PM	0	17	8	11	0	36	0	1	7	12	0	20	0	1	4	0	0	5	0	7	14	0	0	21	82
9:45 PM	0	18	5	3	0	26	0	2	7	12	0	21	0	0	2	2	0	4	0	4	11	2	0	17	68
Hourly Total	0	73	29	31	0	133	0	6	34	65	0	105	0	1	19	4	0	24	0	18	63	6	0	87	349
10:00 PM	0	17	3	5	0	25	0	4	9	22	0	35	0	0	4	1	0	5	0	0	14	0	0	14	79
10:15 PM	0	20	5	6	0	31	0	1	4	14	0	19	0	0	3	0	0	3	0	2	10	1	0	13	66
10:30 PM	0	11	4	5	0	20	0	0	6	13	0	19	0	0	1	0	0	1	0	3	9	0	0	12	52
10:45 PM	0	4	4	3	0	11	0	0	0	8	0	8	0	0	2	2	0	4	0	1	4	1	0	6	29
Hourly Total	0	52	16	19	0	87	0	5	19	57	0	81	0	0	10	3	0	13	0	6	37	2	0	45	226
11:00 PM	0	9	2	2	0	13	0	0	3	13	0	16	0	0	2	0	0	2	0	2	11	1	0	14	45
11:15 PM	0	10	2	1	0	13	0	0	6	7	0	13	0	0	2	1	0	3	0	1	2	2	0	5	34
11:30 PM	0	4	3	0	0	7	0	1	4	8	0	13	0	0	1	1	0	2	0	2	4	0	0	6	28
11:45 PM	0	4	1	2	0	7	0	0	1	5	0	6	0	1	0	0	0	1	0	2	5	0	0	7	21
Hourly Total	0	27	8	5	0	40	0	1	14	33	0	48	0	1	5	2	0	8	0	7	22	3	0	32	128
DAILY TOTAL	1	5222	1184	1086	14	7493	6	323	3030	4396	3	7755	0	80	1007	401	5	1488	1	879	3421	151	5	4452	21188
Cars	1	4915	1090	1055	8	7061	6	319	2905	4130	3	7360	0	78	919	389	5	1386	1	854	3290	147	5	4292	20099
Heavy Vehicles	0	307	94	31	6	432	0	4	125	266	0	395	0	2	88	12	0	102	0	25	131	4	0	160	1089
Heavy Vehicle %	0.00%	5.88%	7.94%	2.85%	42.86%	5.77%	0.00%	1.24%	4.13%	6.05%	0.00%	5.09%	0.00%	2.50%	8.74%	2.99%	0.00%	6.85%	0.00%	2.84%	3.83%	2.65%	0.00%	3.59%	5.14%

TMC 2507 - CSAH 32 @ 93rd LnAirport Rd

Blaine MN

Tuesday, February 25, 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	201	40	14	1	255	0	9	62	95	0	166	0	0	19	4	0	23	0	7	56	1	0	64	508
7:30 AM	0	191	21	15	0	227	0	8	97	94	0	199	0	1	22	6	0	29	0	16	62	1	0	79	534
7:45 AM	0	226	20	14	1	260	0	6	124	83	0	213	0	0	16	10	0	26	0	15	78	0	0	93	592
8:00 AM	0	212	20	20	0	252	1	4	82	85	0	172	0	0	14	8	0	22	0	20	69	0	0	89	535
Peak Hour Total	0	830	101	63	2	994	1	27	365	357	0	750	0	1	71	28	0	100	0	58	265	2	0	325	2169
Peak Hour Heavy Vehicles	0	36	19	2	0	57	0	1	14	24	0	39	0	0	2	1	0	3	0	2	12	0	0	14	113
Peak Hour Heavy Vehicles %	0.00%	4.34%	18.81%	3.17%	0.00%	5.73%	0.00%	3.70%	3.84%	6.72%	0.00%	5.20%	0.00%	0.00%	2.82%	3.57%	0.00%	3.00%	0.00%	3.45%	4.53%	0.00%	0.00%	4.31%	5.21%
PHF	0.000	0.918	0.631	0.788	0.500	0.956	0.250	0.750	0.736	0.939	0.000	0.880	0.000	0.250	0.807	0.700	0.000	0.862	0.000	0.725	0.849	0.500	0.000	0.874	0.916

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	53	17	17	0	87	0	6	45	69	0	120	0	2	20	3	1	25	0	11	56	6	1	73	305
1:15 PM	0	51	17	16	0	84	0	3	47	49	0	99	0	0	18	4	0	22	0	13	60	1	0	74	279
1:30 PM	0	55	14	11	0	80	0	6	34	71	0	111	0	1	12	7	0	20	0	16	43	2	0	61	272
1:45 PM	0	68	18	24	0	110	0	9	31	63	0	103	0	2	25	13	0	40	1	8	42	2	0	53	306
Peak Hour Total	0	227	66	68	0	361	0	24	157	252	0	433	0	5	75	27	1	107	1	48	201	11	1	261	1162
Peak Hour Heavy Vehicles	0	19	7	2	0	28	0	0	11	16	0	27	0	0	6	1	0	7	0	1	2	0	0	3	65
Peak Hour Heavy Vehicles %	0.00%	8.37%	10.61%	2.94%	0.00%	7.76%	0.00%	0.00%	7.01%	6.35%	0.00%	6.24%	0.00%	0.00%	8.00%	3.70%	0.00%	6.54%	0.00%	2.08%	1.00%	0.00%	0.00%	1.15%	5.59%
PHF	0.000	0.835	0.917	0.708	0.000	0.820	0.000	0.667	0.835	0.887	0.000	0.902	0.000	0.625	0.750	0.519	0.250	0.669	0.250	0.750	0.838	0.458	0.250	0.882	0.949

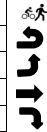
PM Peak Hour (14:00 - 24:00)

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	96	34	21	1	151	0	10	46	163	0	219	0	2	24	9	0	35	0	15	97	3	0	115	520
4:30 PM	0	105	32	27	2	164	0	7	93	168	0	268	0	2	40	13	0	55	0	19	100	5	0	124	611
4:45 PM	0	116	29	28	2	173	1	5	63	178	0	247	0	0	31	16	0	47	0	29	91	4	0	124	591
5:00 PM	0	100	42	30	0	172	0	12	76	183	1	271	0	0	30	11	0	41	0	15	96	4	0	115	599
Peak Hour Total	0	417	137	106	5	660	1	34	278	692	1	1005	0	4	125	49	0	178	0	78	384	16	0	478	2321
Peak Hour Heavy Vehicles	0	28	0	1	3	29	0	0	6	53	0	59	0	0	28	1	3	29	0	5	23	1	0	29	146
Peak Hour Heavy Vehicles %	0.00%	6.71%	0.00%	0.94%	60.00%	4.39%	0.00%	0.00%	2.16%	7.66%	0.00%	5.87%	0.00%	0.00%	22.40%	2.04%	0.00%	16.29%	0.00%	6.41%	5.99%	6.25%	0.00%	6.07%	6.29%
PHF	0.000	0.899	0.815	0.883	0.625	0.954	0.250	0.708	0.747	0.945	0.250	0.927	0.000	0.500	0.781	0.766	0.000	0.809	0.000	0.672	0.960	0.800	0.000	0.964	0.950

Total Vehicles On Leg			13776		
Vehicles Entering Intersection 7493			Vehicles Exiting Intersection 6283		
Southbound					
Cars	1055	1090	4915	1	8
Heavy	31	94	307	0	6
Total	1086	1184	5222	1	14



Total Vehicles on Leg 8649	Vehicles Entering Intersection 4452	Eastbound	Cars	Heavy	Total	
			5	0	5	
			1	0	1	
	Vehicles Exiting Intersection 4197		854	25	879	
			3290	131	3421	
			147	4	151	



Daily Volumes



Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 7755	Total Vehicles on Leg 16805
4130	266	4396			
2905	125	3030			
319	4	323			
6	0	6			
3	0	3			
				Vehicles Exiting Intersection 9050	

Cars	5	0	78	919	389
Heavy	0	0	2	88	12
Total	5	0	80	1007	401
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
1488			1658		
Total Vehicles On Leg			3146		

Heavy Vehicles

		Southbound						Westbound						Northbound						Eastbound					
Date	Time	U Turns	Left Turns	Straight Through	Right Turns	EB Bicycles in Crosswalk	WB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	NB Bicycles in Crosswalk	SB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	EB Bicycles in Crosswalk	WB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	NB Bicycles in Crosswalk	SB Bicycles in Crosswalk
02/25/2025	0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1:15	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2:00	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	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	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3:00	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	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	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	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15	0	1	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5:00	0	2	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15	0	0	0	0	2	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30	0	1	1	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45	0	5	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
	6:00	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6:15	0	5	2	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6:30	0	8	3	1	0	0	0	0	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:45	0	12	10	3	0	0	0	0	10	7	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	7:00	0	11	6	5	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	7:15	0	13	12	1	0	0	0	1	4	5	0	0	0	0	2	0	0	0	0	0	1	0	0	0
	7:30	0	6	5	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	7:45	0	5	2	1	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0	5	0	0	0
	8:00	0	12	0	0	0	0	0	0	6	7	0	0	0	0	0	1	0	0	0	2	4	0	0	0
	8:15	0	6	4	1	0	1	0	0	0	3	0	0	0	0	2	0	0	0	0	2	4	0	0	0
	8:30	0	4	1	0	0	0	0	0	4	4	0	0	0	0	3	0	0	0	0	1	3	1	0	0
	8:45	0	4	0	2	0	0	0	0	3	7	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	9:00	0	5	0	0	0	0	0	0	1	8	0	0	0	0	3	0	0	0	0	0	12	0	0	0
	9:15	0	2	1	0	0	0	0	0	0	17	0	0	0	0	7	0	0	0	0	2	6	0	0	0
	9:30	0	2	4	0	0	0	0	0	3	8	0	0	0	0	2	1	0	0	0	1	5	0	0	0
	9:45	0	11	0	0	0	0	0	0	0	1	0	0	0	0	7	1	0	0	0	0	1	0	0	0
	10:00	0	4	1	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10:15	0	3	2	0	0	0	0	0	3	4	0	0	0	0	1	1	0	0	0	0	1	3	0	0
	10:30	0	10	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	10:45	0	5	3	1	0	0	0	0	1	4	0	0	0	0	5	0	0	0	0	0	4	0	0	0
	11:00	0	4	3	1	0	0	0	0	4	3	0	0	0	0	2	0	0	0	0	0	1	0	0	0
	11:15	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	1	1	0	0
	11:30	0	6	5	0	0	0	0	0	3	2	0	0	0	0	1	0	0	0	0	0	1	3	0	0
	11:45	0	7	4	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	12:00	0	2	1	0	0	0	0	0	2	3	0	0	0	0	4	0	0	0	0	0	0	0	0	0
	12:15	0	1	0	1	0	0	0	0	1	6	0	0	0	0	2	1	0	0	0	0	1	1	0	0
12:30	0	1	1	0	0	1	0	0	1	2	0	0	0	1	0	0	0	0	0	0	2	0	0	0	
12:45	0	5	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4	0	0	0	
13:00	0	0	3	0	0	0	0	0	5	6	0	0	0	0	1	0	0	0	0	1	1	0	0	0	
13:15	0	7	1	1	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
13:30	0	4	1	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	1	0	0	0	
13:45	0	8	2	0	0	0	0	0	4	5	0	0	0	0	2	1	0	0	0	0	0	0	0	0	
14:00	0	16	2	1	0	0	0	0	11	8	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
14:15	0	8	2	2	0	0	0	0	6	8	0	0	0	0	0	0	0	0	0	2	2	0	0	0	
14:30	0	5	2	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0	2	0	0	0	
14:45	0	5	2	0	0	0	0	1	3	4	0	0	0	0	1	0	0	0	0	2	6	0	0	0	
15:00	0	4	1	0	0	1	0	0	3	5	0	0	0	0	0	0	0	0	0	1	4	0	0	0	
15:15	0	7	0	1	0	0	0	0	6	0	0	0	0	0	1	1	0	0							

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2507

Study Date : 03/10/2025

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 32

Number of Lanes : 2+

Total Approach Volume: 4,452

Westbound: CSAH 32

Number of Lanes :2+

Total Approach Volume: 7,755

Minor Street Approaches

Northbound: 93rd Ln/Airport Rd

Number of Lanes :2+

Total Approach Volume: 1,087

Southbound: 93rd Ln/Airport Rd

Number of Lanes :2+

Total Approach Volume: 6,407

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 13 hours, 8 are needed

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

Required volumes reached for 10 hours, 8 are needed

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

Required 1A volumes reached for 14 hours, 8 are needed

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

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

Number of hours (13) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (51) 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 2507

Study Date : 03/10/2025

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

13 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?	
15:45 - 16:45	484	+	876	=	1360	120	514	Yes	
16:45 - 17:45	409	+	855	=	1264	102	521	Yes	
14:45 - 15:45	373	+	663	=	1036	78	410	Yes	
07:45 - 08:45	335	+	612	=	947	64	880	Yes	
06:45 - 07:45	266	+	651	=	917	74	750	Yes	
13:45 - 14:45	263	+	526	=	789	72	345	Yes	
11:45 - 12:45	267	+	427	=	694	59	254	Yes	
12:45 - 13:45	264	+	428	=	692	69	285	Yes	
08:45 - 09:45	247	+	443	=	690	69	394	Yes	
17:45 - 18:45	265	+	380	=	645	58	315	Yes	
10:45 - 11:45	227	+	361	=	588	56	249	Yes	
09:45 - 10:45	213	+	312	=	525	47	280	Yes	
05:45 - 06:45	178	+	286	=	464	50	308	Yes	
05:30 - 06:30	162	+	239	=	401	47	267	No	
18:45 - 19:45	151	+	232	=	383	47	203	No	
05:15 - 06:15	139	+	197	=	336	40	210	No	
19:00 - 20:00	151	+	181	=	332	41	201	No	
19:15 - 20:15	159	+	159	=	318	36	175	No	
19:30 - 20:30	155	+	138	=	293	29	186	No	
05:00 - 06:00	120	+	168	=	288	39	170	No	
19:45 - 20:45	135	+	129	=	264	26	162	No	
20:00 - 21:00	126	+	130	=	256	29	145	No	
04:45 - 05:45	102	+	154	=	256	37	145	No	
20:15 - 21:15	111	+	128	=	239	27	135	No	
20:30 - 21:30	104		120		224	29	115	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2507

Study Date : 03/10/2025

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

10 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?	
16:00 - 17:00	470	+	941	=	1411	126	536	Yes	
15:00 - 16:00	435	+	715	=	1150	88	447	Yes	
07:15 - 08:15	325	+	750	=	1075	72	931	Yes	
17:00 - 18:00	355	+	711	=	1066	92	450	Yes	
14:00 - 15:00	286	+	553	=	839	60	345	Yes	
08:15 - 09:15	287	+	452	=	739	71	628	Yes	
13:00 - 14:00	261	+	433	=	694	80	293	Yes	
06:15 - 07:15	219	+	469	=	688	64	472	Yes	
12:00 - 13:00	256	+	409	=	665	61	264	Yes	
11:00 - 12:00	250	+	387	=	637	60	256	Yes	
09:15 - 10:15	214	+	382	=	596	56	328	No	
10:45 - 11:45	227	+	361	=	588	56	249	No	
18:00 - 19:00	229	+	351	=	580	48	293	No	
06:00 - 07:00	200	+	380	=	580	63	390	No	
09:30 - 10:30	222	+	348	=	570	53	299	No	
10:30 - 11:30	207	+	329	=	536	49	231	No	
10:00 - 11:00	205	+	329	=	534	39	252	No	
10:15 - 11:15	206	+	322	=	528	49	232	No	
09:45 - 10:45	213	+	312	=	525	47	280	No	
18:15 - 19:15	204	+	299	=	503	47	259	No	
05:45 - 06:45	178	+	286	=	464	50	308	No	
18:30 - 19:30	159	+	262	=	421	49	224	No	
05:30 - 06:30	162	+	239	=	401	47	267	No	
18:45 - 19:45	151	+	232	=	383	47	203	No	
05:15 - 06:15	139		197		336	40	210	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2507

Study Date : 03/10/2025

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

14 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	478	+	1005	=	1483	129		554		Yes
15:15 - 16:15	446	+	747	=	1193	92		478		Yes
07:15 - 08:15	325	+	750	=	1075	72		931		Yes
14:15 - 15:15	314	+	589	=	903	71		347		Yes
17:15 - 18:15	297	+	553	=	850	76		401		Yes
08:15 - 09:15	287	+	452	=	739	71		628		Yes
13:15 - 14:15	256	+	452	=	708	70		314		Yes
06:15 - 07:15	219	+	469	=	688	64		472		Yes
11:15 - 12:15	271	+	412	=	683	61		263		Yes
12:15 - 13:15	258	+	420	=	678	66		276		Yes
09:15 - 10:15	214	+	382	=	596	56		328		Yes
10:15 - 11:15	206		322		528	49		232		Yes

Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1B?
16:00 - 17:00	470	+	941	=	1411	126		536		Yes
15:00 - 16:00	435	+	715	=	1150	88		447		Yes
17:00 - 18:00	355	+	711	=	1066	92		450		Yes
07:00 - 08:00	294	+	722	=	1016	69		844		Yes
14:00 - 15:00	286	+	553	=	839	60		345		Yes
08:00 - 09:00	299	+	529	=	828	66		784		Yes
13:00 - 14:00	261	+	433	=	694	80		293		Yes
12:00 - 13:00	256	+	409	=	665	61		264		Yes
11:00 - 12:00	250	+	387	=	637	60		256		Yes
09:00 - 10:00	242	+	386	=	628	69		333		Yes
06:00 - 07:00	200	+	380	=	580	63		390		Yes
18:00 - 19:00	229		351		580	48		293		Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2507

Study Date : 03/10/2025

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.

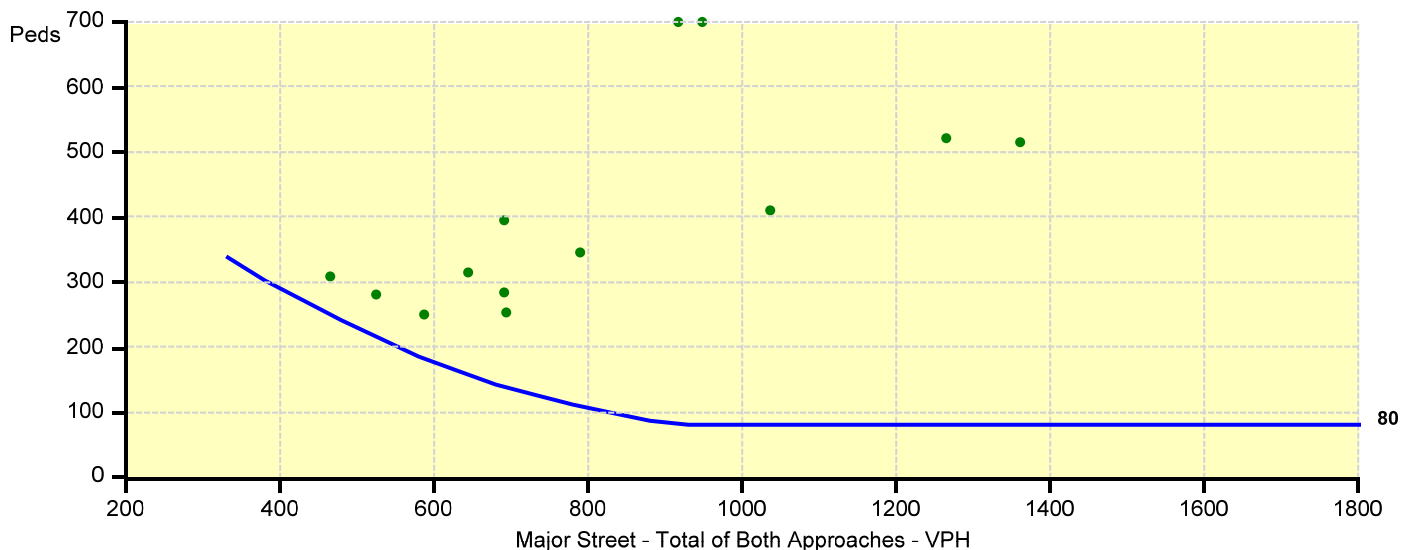
Summary

13 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?
15:45 - 16:45	484	+	876	=	1360	120	514	Yes
16:45 - 17:45	409	+	855	=	1264	102	521	Yes
14:45 - 15:45	373	+	663	=	1036	78	410	Yes
07:45 - 08:45	335	+	612	=	947	64	880	Yes
06:45 - 07:45	266	+	651	=	917	74	750	Yes
13:45 - 14:45	263	+	526	=	789	72	345	Yes
11:45 - 12:45	267	+	427	=	694	59	254	Yes
12:45 - 13:45	264	+	428	=	692	69	285	Yes
08:45 - 09:45	247	+	443	=	690	69	394	Yes
17:45 - 18:45	265	+	380	=	645	58	315	Yes
10:45 - 11:45	227	+	361	=	588	56	249	Yes
09:45 - 10:45	213	+	312	=	525	47	280	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2507

Study Date : 03/10/2025

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

39 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	478	+	1005	=	1483	129	554	Yes
16:30 - 17:30	451	+	971	=	1422	128	566	Yes
16:00 - 17:00	470	+	941	=	1411	126	536	Yes
15:45 - 16:45	484	+	876	=	1360	120	514	Yes
15:30 - 16:30	458	+	820	=	1278	97	487	Yes
16:45 - 17:45	409	+	855	=	1264	102	521	Yes
15:15 - 16:15	446	+	747	=	1193	92	478	Yes
15:00 - 16:00	435	+	715	=	1150	88	447	Yes
07:15 - 08:15	325	+	750	=	1075	72	931	Yes
17:00 - 18:00	355	+	711	=	1066	92	450	Yes
14:45 - 15:45	373	+	663	=	1036	78	410	Yes
07:30 - 08:30	330	+	695	=	1025	75	921	Yes

