

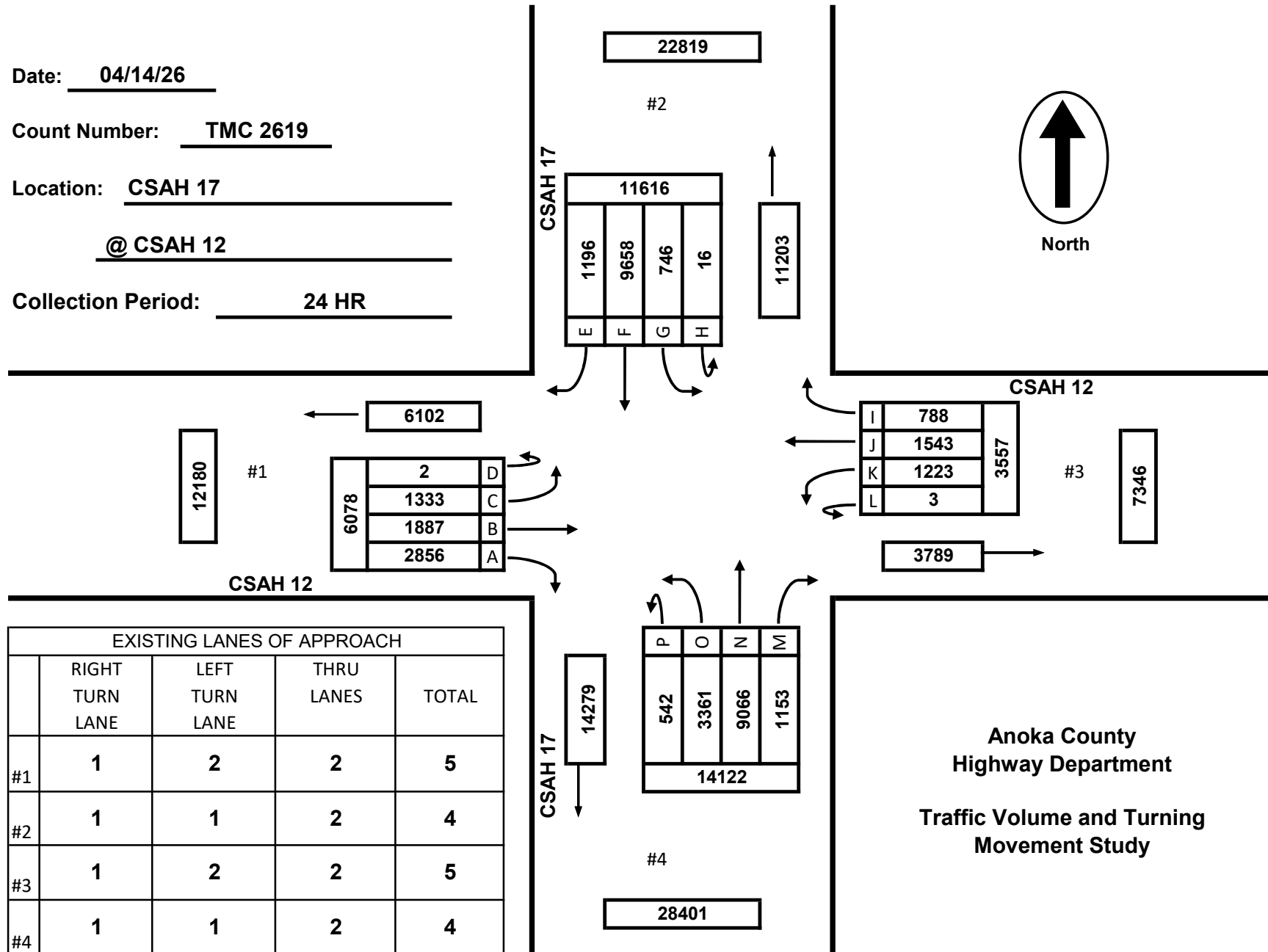
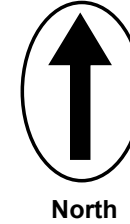
Date: 04/14/26

Count Number: TMC 2619

Location: CSAH 17

@ CSAH 12

Collection Period: 24 HR



22819

#2

11616			
1196	9658	746	16
E	F	G	H

11203

CSAH 12

I	788	3557
J	1543	
K	1223	
L	3	

#3

7346

3789

CSAH 12

6078	2	D
	1333	C
	1887	B
	2856	A

#1

12180

6102

P	O	Z	M
542	3361	9066	1153
14122			

#4

28401

CSAH 17

14279

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

Anoka County  
Highway Department  
Traffic Volume and Turning  
Movement Study

Date: 04/14/26

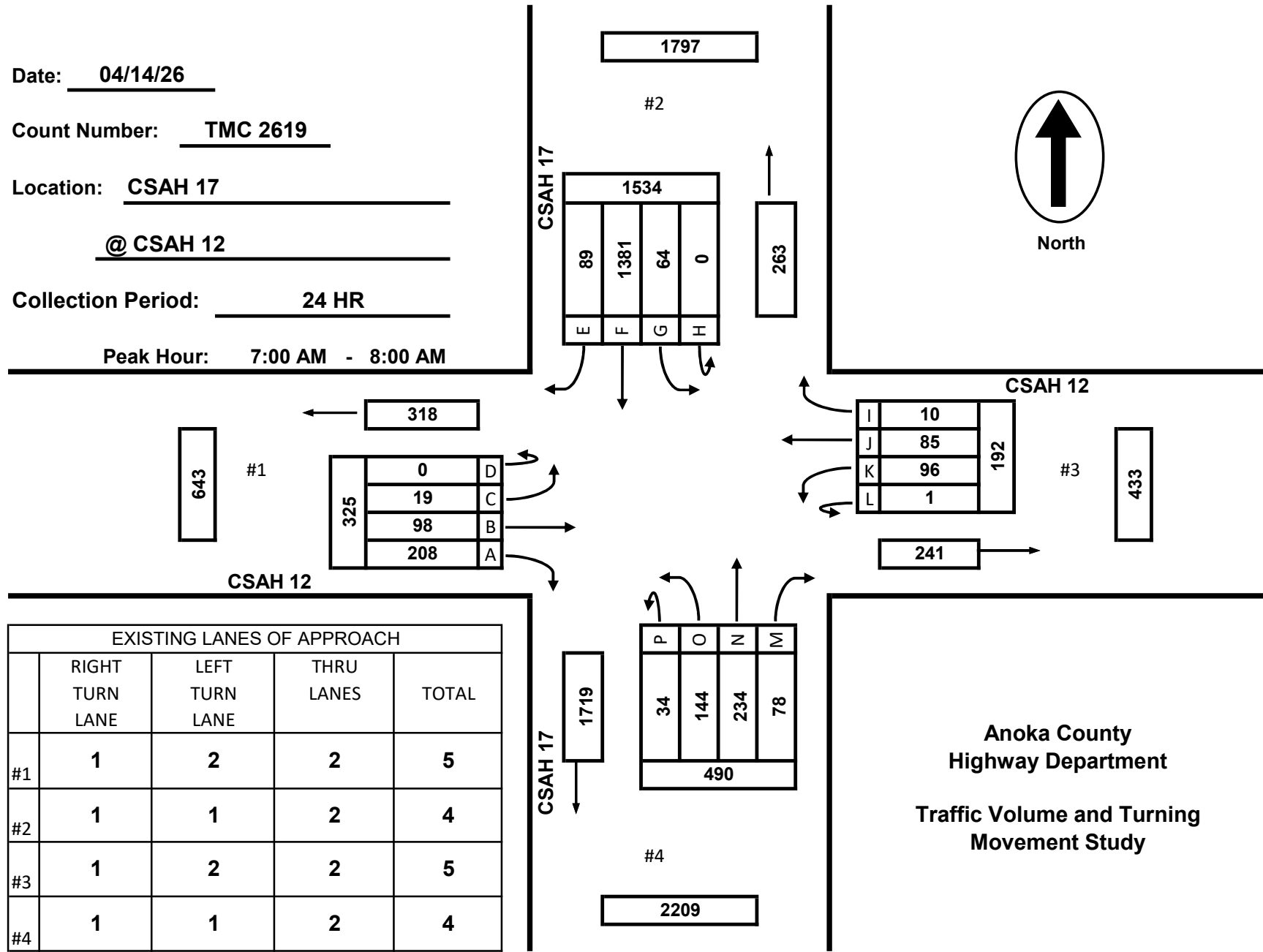
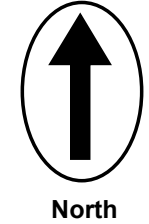
Count Number: TMC 2619

Location: CSAH 17

@ CSAH 12

Collection Period: 24 HR

Peak Hour: 7:00 AM - 8:00 AM



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

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

Date: 04/14/26

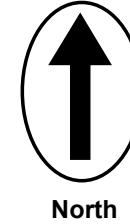
Count Number: TMC 2619

Location: CSAH 17

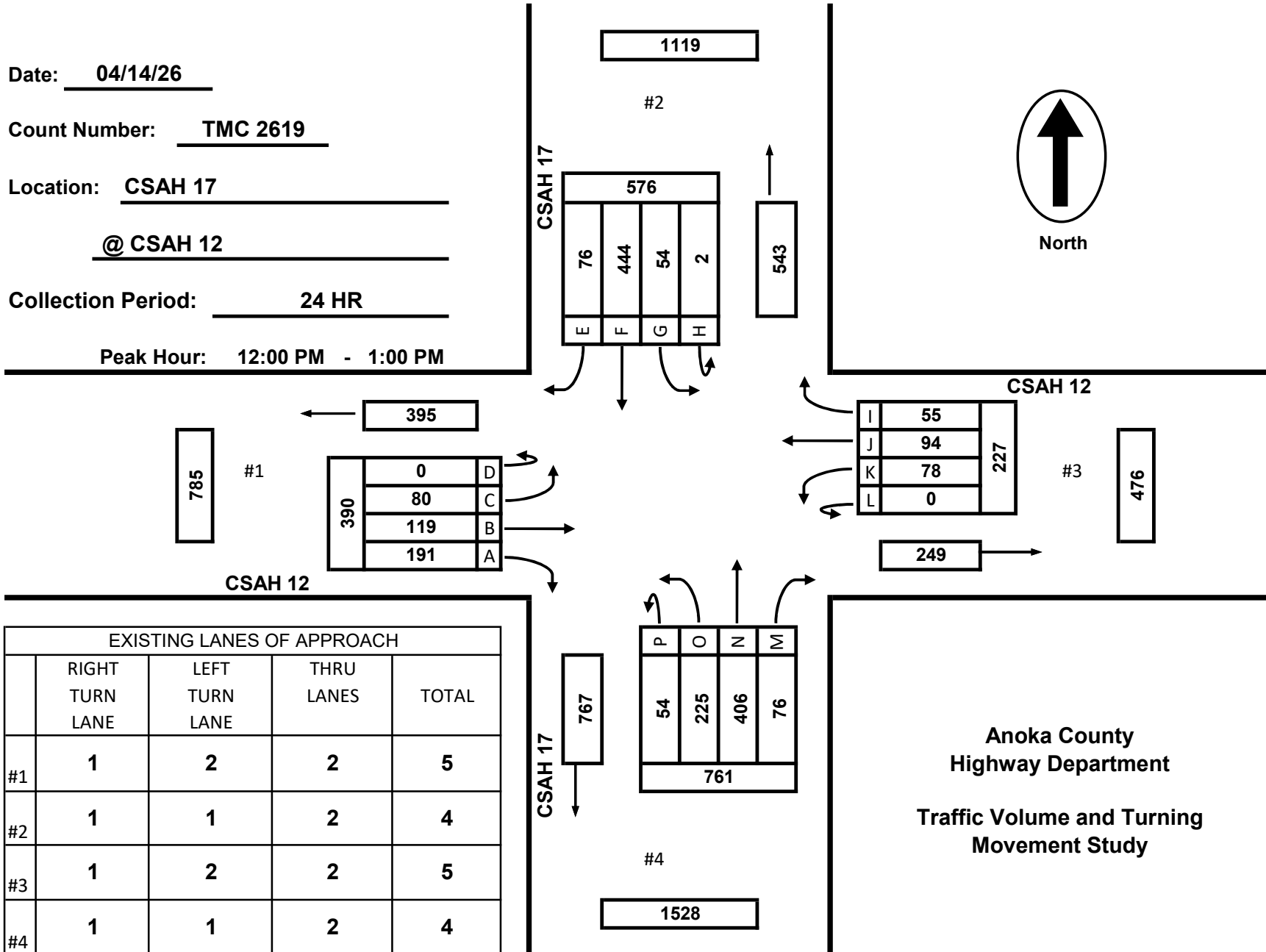
@ CSAH 12

Collection Period: 24 HR

Peak Hour: 12:00 PM - 1:00 PM



North



EXISTING LANES OF APPROACH

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

Anoka County  
Highway Department

Traffic Volume and Turning  
Movement Study

Date: 04/14/26

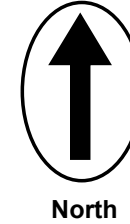
Count Number: TMC 2619

Location: CSAH 17

@ CSAH 12

Collection Period: 24 HR

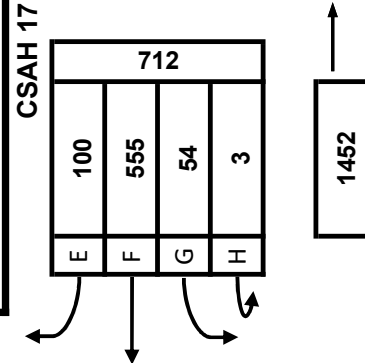
Peak Hour: 4:15 PM - 5:15 PM



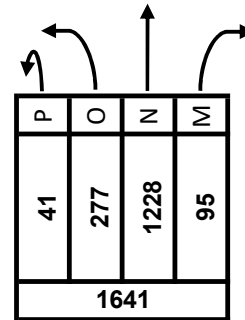
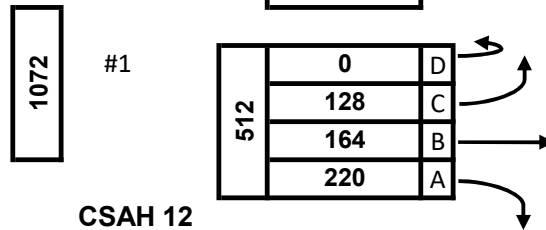
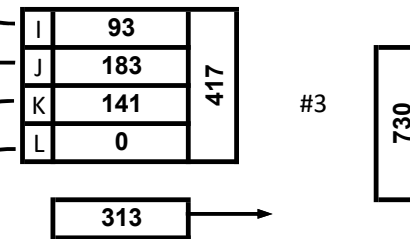
North

2164

#2



CSAH 12



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

Anoka County  
Highway Department  
Traffic Volume and Turning  
Movement Study

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine Minnesota  
Tuesday, April 14, 2026

Time	Southbound CSAH 17						Westbound CSAH 12						Northbound CSAH 17						Eastbound CSAH 12						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	2	0	0	2	0	1	1	0	0	2	2	4	20	0	0	26	0	1	0	2	0	3	33
12:15 AM	0	0	4	0	0	4	0	0	0	1	0	1	0	2	20	1	0	23	0	2	0	2	0	4	32
12:30 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	3	13	0	0	16	0	0	1	2	0	3	27
12:45 AM	0	0	7	0	0	7	0	2	0	0	0	2	2	1	9	1	0	13	0	2	1	0	0	3	25
Hourly Total	0	0	21	0	0	21	0	3	1	1	0	5	4	10	62	2	0	78	0	5	2	6	0	13	117
1:00 AM	0	0	5	1	0	6	0	0	0	0	0	0	0	2	14	1	0	17	0	0	1	1	0	2	25
1:15 AM	0	0	2	0	0	2	0	1	0	0	0	1	0	2	10	1	0	13	0	0	0	1	0	1	17
1:30 AM	0	0	2	0	0	2	0	2	0	0	0	2	0	3	14	0	0	17	1	2	0	3	0	6	27
1:45 AM	0	0	2	0	0	2	0	0	1	0	0	1	0	3	17	0	0	20	0	0	0	1	0	1	24
Hourly Total	0	0	11	1	0	12	0	3	1	0	0	4	0	10	55	2	0	67	1	2	1	6	0	10	93
2:00 AM	0	0	2	1	0	3	0	0	1	0	0	1	0	2	9	0	0	11	0	1	1	2	0	4	19
2:15 AM	0	0	4	0	0	4	0	0	1	0	0	1	0	1	6	0	0	7	0	1	0	1	0	2	14
2:30 AM	0	0	7	1	0	8	0	0	0	0	0	0	0	4	1	0	0	5	0	0	0	1	0	1	14
2:45 AM	0	0	7	0	0	7	0	1	0	0	0	1	0	1	5	1	0	7	0	0	1	0	0	1	16
Hourly Total	0	0	20	2	0	22	0	1	2	0	0	3	0	8	21	1	0	30	0	2	2	4	0	8	63
3:00 AM	0	0	6	0	0	6	0	2	0	0	0	2	0	1	2	0	0	3	0	0	0	1	0	1	12
3:15 AM	0	0	9	0	0	9	0	1	0	0	0	1	0	1	11	1	0	13	0	0	0	2	0	2	25
3:30 AM	0	0	15	0	0	15	0	3	1	0	0	4	0	4	5	1	0	10	0	0	0	1	0	1	30
3:45 AM	0	0	10	0	0	10	0	1	0	0	0	1	0	3	6	1	0	10	0	1	1	1	0	3	24
Hourly Total	0	0	40	0	0	40	0	7	1	0	0	8	0	9	24	3	0	36	0	1	1	5	0	7	91
4:00 AM	0	0	15	0	0	15	0	2	0	0	0	2	1	3	2	1	0	7	0	0	1	4	0	5	29
4:15 AM	0	0	31	0	0	31	0	3	1	0	0	4	0	3	4	3	0	10	0	1	1	2	0	4	49
4:30 AM	0	1	48	4	0	53	0	5	1	0	0	6	0	3	5	2	0	10	0	0	4	7	0	11	80
4:45 AM	0	5	54	1	0	60	0	3	2	0	0	5	0	3	1	1	0	5	0	1	2	5	0	8	78
Hourly Total	0	6	148	5	0	159	0	13	4	0	0	17	1	12	12	7	0	32	0	2	8	18	0	28	236
5:00 AM	0	5	52	2	0	59	0	10	2	0	0	12	0	4	4	3	0	11	0	0	2	8	0	10	92
5:15 AM	2	3	111	7	0	123	0	12	0	0	0	12	0	4	3	1	0	8	0	1	3	9	0	13	156
5:30 AM	0	4	117	2	0	123	0	10	2	3	0	15	1	9	11	6	0	27	0	2	5	23	0	30	195
5:45 AM	0	6	138	8	0	152	0	11	8	4	0	23	8	21	18	10	0	57	0	2	9	15	0	26	258
Hourly Total	2	18	418	19	0	457	0	43	12	7	0	62	9	38	36	20	0	103	0	5	19	55	0	79	701
6:00 AM	0	4	171	5	0	180	0	12	12	5	0	29	6	15	21	9	0	51	0	4	9	18	0	31	291
6:15 AM	0	6	224	19	0	249	0	19	6	3	0	28	3	29	27	14	0	73	0	7	11	32	0	50	400
6:30 AM	0	9	264	23	0	296	0	26	12	5	0	43	4	21	26	8	0	59	0	4	19	52	1	75	473
6:45 AM	0	5	284	14	0	303	0	23	10	3	0	36	11	33	50	24	0	118	0	8	16	46	0	70	527
Hourly Total	0	24	943	61	0	1028	0	80	40	16	0	136	24	98	124	55	0	301	0	23	55	148	1	226	1691
7:00 AM	0	13	334	14	0	361	1	19	21	4	0	45	6	20	52	20	0	98	0	3	13	45	0	61	565
7:15 AM	0	16	392	21	0	429	0	39	19	3	0	61	12	36	46	12	0	106	0	8	30	53	0	91	687
7:30 AM	0	12	361	25	0	398	0	20	13	2	0	35	9	35	47	24	0	115	0	5	32	63	1	100	648
7:45 AM	0	23	294	29	0	346	0	18	32	1	0	51	7	53	89	22	0	171	0	3	23	47	0	73	641
Hourly Total	0	64	1381	89	0	1534	1	96	85	10	0	192	34	144	234	78	0	490	0	19	98	208	1	325	2541

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine Minnesota  
Tuesday, April 14, 2026

Time	Southbound CSAH 17						Westbound CSAH 12						Northbound CSAH 17						Eastbound CSAH 12						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	13	261	15	0	289	0	23	25	4	0	52	11	22	66	29	0	128	0	5	25	44	0	74	543
8:15 AM	0	17	232	13	0	262	0	18	10	4	0	32	4	45	78	30	0	157	0	12	19	37	0	68	519
8:30 AM	0	18	232	16	0	266	0	11	16	4	0	31	13	32	64	29	0	138	0	13	23	51	0	87	522
8:45 AM	0	18	220	20	0	258	0	12	16	5	0	33	7	31	68	34	0	140	0	9	29	38	0	76	507
Hourly Total	0	66	945	64	0	1075	0	64	67	17	0	148	35	130	276	122	0	563	0	39	96	170	0	305	2091
9:00 AM	0	15	170	11	0	196	0	18	19	10	0	47	3	35	81	23	0	142	0	13	11	41	0	65	450
9:15 AM	0	6	190	23	0	219	0	7	18	8	0	33	8	45	67	28	0	148	0	19	26	38	0	83	483
9:30 AM	0	14	161	21	0	196	0	21	31	6	0	58	6	37	70	21	0	134	0	11	27	32	0	70	458
9:45 AM	0	7	129	18	0	154	0	13	15	12	0	40	10	34	67	19	0	130	0	7	22	31	0	60	384
Hourly Total	0	42	650	73	0	765	0	59	83	36	0	178	27	151	285	91	0	554	0	50	86	142	0	278	1775
10:00 AM	0	14	111	12	0	137	0	16	19	8	0	43	8	25	63	14	0	110	0	10	30	38	0	78	368
10:15 AM	0	9	115	18	0	142	1	11	21	10	0	43	2	47	64	21	0	134	0	16	23	37	2	76	395
10:30 AM	0	13	130	18	0	161	0	14	18	9	0	41	3	50	77	11	0	141	0	18	24	40	0	82	425
10:45 AM	0	11	102	17	0	130	0	14	12	12	0	38	4	50	60	13	2	127	0	12	21	40	1	73	368
Hourly Total	0	47	458	65	0	570	1	55	70	39	0	165	17	172	264	59	2	512	0	56	98	155	3	309	1556
11:00 AM	0	14	140	15	0	169	0	10	20	5	0	35	5	44	78	16	0	143	0	11	27	46	0	84	431
11:15 AM	0	14	114	14	0	142	0	24	24	11	0	59	17	52	80	16	0	165	0	14	33	48	0	95	461
11:30 AM	0	10	87	23	0	120	0	21	18	11	0	50	11	45	97	16	0	169	0	16	33	44	0	93	432
11:45 AM	0	12	100	24	0	136	0	11	28	21	0	60	10	61	90	19	0	180	0	19	32	45	0	96	472
Hourly Total	0	50	441	76	0	567	0	66	90	48	0	204	43	202	345	67	0	657	0	60	125	183	0	368	1796
12:00 PM	1	12	115	17	0	145	0	20	26	17	0	63	19	63	97	16	0	195	0	22	24	46	0	92	495
12:15 PM	1	13	107	27	0	148	0	13	25	17	0	55	15	59	106	27	2	207	0	16	22	37	0	75	485
12:30 PM	0	13	104	20	0	137	0	25	25	11	0	61	9	53	95	18	0	175	0	19	37	53	0	109	482
12:45 PM	0	16	118	12	0	146	0	20	18	10	0	48	11	50	108	15	0	184	0	23	36	55	0	114	492
Hourly Total	2	54	444	76	0	576	0	78	94	55	0	227	54	225	406	76	2	761	0	80	119	191	0	390	1954
1:00 PM	0	7	106	13	0	126	0	17	23	9	0	49	7	47	97	11	0	162	0	11	21	39	0	71	408
1:15 PM	1	7	120	16	0	144	0	18	28	12	0	58	10	44	120	18	0	192	0	24	38	38	1	100	494
1:30 PM	1	13	116	15	0	145	0	14	26	10	0	50	6	54	112	15	0	187	0	18	24	53	0	95	477
1:45 PM	0	12	111	16	0	139	0	23	31	19	0	73	6	48	114	12	0	180	0	20	30	41	0	91	483
Hourly Total	2	39	453	60	0	554	0	72	108	50	0	230	29	193	443	56	0	721	0	73	113	171	1	357	1862
2:00 PM	0	8	124	15	0	147	0	19	17	9	0	45	15	39	141	16	0	211	0	13	30	44	0	87	490
2:15 PM	1	12	125	10	0	148	0	15	26	13	0	54	6	54	130	19	0	209	0	31	41	49	0	121	532
2:30 PM	0	12	114	16	0	142	0	32	35	19	0	86	5	51	178	19	0	253	0	30	37	41	0	108	589
2:45 PM	0	20	125	20	0	165	0	13	30	12	0	55	6	67	230	26	0	329	0	18	31	36	1	85	634
Hourly Total	1	52	488	61	0	602	0	79	108	53	0	240	32	211	679	80	0	1002	0	92	139	170	1	401	2245
3:00 PM	1	15	103	16	0	135	0	40	32	20	0	92	8	68	228	24	0	328	0	27	45	55	0	127	682
3:15 PM	1	17	130	13	0	161	0	34	33	26	0	93	10	77	249	20	0	356	0	22	32	41	0	95	705
3:30 PM	0	17	136	15	0	168	0	32	32	27	0	91	11	92	296	16	0	415	0	32	31	50	0	113	787
3:45 PM	2	17	106	14	0	139	0	36	34	18	0	88	13	100	245	23	0	381	0	25	37	48	1	110	718
Hourly Total	4	66	475	58	0	603	0	142	131	91	0	364	42	337	1018	83	0	1480	0	106	145	194	1	445	2892

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine Minnesota  
Tuesday, April 14, 2026

Time	Southbound CSAH 17						Westbound CSAH 12						Northbound CSAH 17						Eastbound CSAH 12						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	1	7	123	27	0	158	0	44	43	32	0	119	13	88	276	20	1	397	0	29	46	59	2	134	808
4:15 PM	1	13	144	22	0	180	0	43	40	28	0	111	10	39	338	20	0	407	0	33	39	45	0	117	815
4:30 PM	0	13	140	32	0	185	0	42	49	21	0	112	8	81	308	31	0	428	0	31	45	55	0	131	856
4:45 PM	1	20	134	17	0	172	0	25	51	18	0	94	12	83	262	28	0	385	0	32	39	63	0	134	785
Hourly Total	3	53	541	98	0	695	0	154	183	99	0	436	43	291	1184	99	1	1617	0	125	169	222	2	516	3264
5:00 PM	1	8	137	29	0	175	0	31	43	26	0	100	11	74	320	16	0	421	0	32	41	57	1	130	826
5:15 PM	0	17	110	25	0	152	0	26	31	14	0	71	11	84	299	19	1	413	0	37	43	52	1	132	768
5:30 PM	0	13	138	26	0	177	0	20	38	27	0	85	10	75	252	21	0	358	0	26	38	52	0	116	736
5:45 PM	1	21	135	39	0	196	0	15	41	13	0	69	11	76	228	20	0	335	0	29	34	46	0	109	709
Hourly Total	2	59	520	119	0	700	0	92	153	80	0	325	43	309	1099	76	1	1527	0	124	156	207	2	487	3039
6:00 PM	0	11	94	27	0	132	0	14	32	16	0	62	2	77	193	23	0	295	0	18	52	48	0	118	607
6:15 PM	0	10	126	15	0	151	0	8	25	16	0	49	15	65	219	15	0	314	0	47	43	49	1	139	653
6:30 PM	0	12	107	30	0	149	1	13	28	19	0	61	11	71	188	8	0	278	0	31	26	46	0	103	591
6:45 PM	0	13	92	19	0	124	0	10	32	16	0	58	6	60	146	16	0	228	0	24	27	33	1	84	494
Hourly Total	0	46	419	91	0	556	1	45	117	67	0	230	34	273	746	62	0	1115	0	120	148	176	2	444	2345
7:00 PM	0	14	79	23	0	116	0	9	24	12	0	45	5	59	123	11	0	198	0	41	38	44	0	123	482
7:15 PM	0	5	79	34	0	118	0	8	21	14	0	43	8	51	141	9	0	209	0	35	49	35	0	119	489
7:30 PM	0	1	62	17	0	80	0	6	26	10	0	42	15	55	129	4	0	203	0	24	27	36	0	87	412
7:45 PM	0	8	66	20	0	94	0	9	24	10	0	43	9	41	111	7	0	168	0	33	26	33	0	92	397
Hourly Total	0	28	286	94	0	408	0	32	95	46	0	173	37	206	504	31	0	778	0	133	140	148	0	421	1780
8:00 PM	0	7	82	11	0	100	0	5	16	12	0	33	3	42	117	10	0	172	0	30	33	29	0	92	397
8:15 PM	0	7	60	13	0	80	0	7	13	10	0	30	3	47	107	9	0	166	0	27	17	31	0	75	351
8:30 PM	0	4	59	9	0	72	0	7	13	9	0	29	5	32	98	9	0	144	0	20	16	35	0	71	316
8:45 PM	0	3	46	12	0	61	0	1	14	9	0	24	3	27	101	4	0	135	0	31	21	34	0	86	306
Hourly Total	0	21	247	45	0	313	0	20	56	40	0	116	14	148	423	32	0	617	0	108	87	129	0	324	1370
9:00 PM	0	3	46	9	0	58	0	2	8	2	0	12	3	22	113	10	0	148	0	23	27	27	0	77	295
9:15 PM	0	2	48	12	0	62	0	2	8	4	0	14	4	30	97	5	0	136	0	26	15	19	0	60	272
9:30 PM	0	1	50	5	0	56	0	1	6	3	0	10	4	14	87	7	0	112	0	13	5	23	0	41	219
9:45 PM	0	1	22	5	0	28	0	0	4	7	0	11	0	15	80	5	0	100	0	7	11	14	0	32	171
Hourly Total	0	7	166	31	0	204	0	5	26	16	0	47	11	81	377	27	0	496	0	69	58	83	0	210	957
10:00 PM	0	1	20	4	0	25	0	3	3	3	0	9	2	20	100	2	0	124	0	12	4	16	0	32	190
10:15 PM	0	1	37	0	0	38	0	2	0	2	0	4	0	15	76	5	0	96	0	8	2	15	0	25	163
10:30 PM	0	1	31	2	0	34	0	3	0	2	0	5	1	15	69	2	0	87	0	3	4	3	0	10	136
10:45 PM	0	1	13	0	0	14	0	3	3	2	0	8	3	12	68	3	0	86	0	5	4	7	0	16	124
Hourly Total	0	4	101	6	0	111	0	11	6	9	0	26	6	62	313	12	0	393	0	28	14	41	0	83	613
11:00 PM	0	0	13	1	0	14	0	2	7	4	0	13	1	6	33	3	0	43	1	1	2	8	0	12	82
11:15 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	7	36	2	0	45	0	7	3	8	0	18	74
11:30 PM	0	0	10	0	0	10	0	1	2	2	0	5	1	21	37	4	0	63	0	2	3	4	0	9	87
11:45 PM	0	0	8	1	0	9	0	0	1	2	0	3	1	7	30	3	0	41	0	1	0	4	0	5	58
Hourly Total	0	0	42	2	0	44	0	3	10	8	0	21	3	41	136	12	0	192	1	11	8	24	0	44	301
<b>DAILY TOTAL</b>	<b>16</b>	<b>746</b>	<b>9658</b>	<b>1196</b>	<b>0</b>	<b>11616</b>	<b>3</b>	<b>1223</b>	<b>1543</b>	<b>788</b>	<b>0</b>	<b>3557</b>	<b>542</b>	<b>3361</b>	<b>9066</b>	<b>1153</b>	<b>6</b>	<b>14122</b>	<b>2</b>	<b>1333</b>	<b>1887</b>	<b>2856</b>	<b>14</b>	<b>6078</b>	<b>35373</b>
<b>Cars</b>	16	741	9566	1186	0	11509	3	1190	1524	778	0	3495	541	3330	8987	1125	6	13983	2	1321	1858	2815	4	5996	34983
<b>Heavy Vehicles</b>	0	5	92	10	0	107	0	33	19	10	0	62	1	31	79	28	0	139	0	12	29	41	10	82	390
<b>Heavy Vehicle %</b>	0.00%	0.67%	0.95%	0.84%	0.00%	0.92%	0.00%	2.70%	1.23%	1.27%	0.00%	1.74%	0.18%	0.92%	0.87%	2.43%	0.00%	0.98%	0.00%	0.90%	1.54%	1.44%	71.43%	1.35%	1.10%

**TMC 2619 - CSAH 17 @ CSAH 12**  
**Blaine Minnesota**  
**Tuesday, April 14, 2026**  
**AM Peak Hour (00:00 to 10:00)**

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:00 AM	0	13	334	14	0	361	1	19	21	4	0	45	6	20	52	20	0	98	0	3	13	45	0	61	565
7:15 AM	0	16	392	21	0	429	0	39	19	3	0	61	12	36	46	12	0	106	0	8	30	53	0	91	687
7:30 AM	0	12	361	25	0	398	0	20	13	2	0	35	9	35	47	24	0	115	0	5	32	63	1	100	648
7:45 AM	0	23	294	29	0	346	0	18	32	1	0	51	7	53	89	22	0	171	0	3	23	47	0	73	641
Peak Hour Total	0	64	1381	89	0	1534	1	96	85	10	0	192	34	144	234	78	0	490	0	19	98	208	1	325	2541
Peak Hour Heavy Vehicle	0	2	11	3	0	16	0	4	1	0	0	5	0	6	5	1	0	12	0	0	4	1	0	5	38
Peak Hour Heavy Vehicle PHF	0.00%	3.13%	0.80%	3.37%	0.00%	1.04%	0.00%	4.17%	1.18%	0.00%	0.00%	2.60%	0.00%	4.17%	2.14%	1.28%	0.00%	2.45%	0.00%	0.00%	4.08%	0.48%	0.00%	1.54%	1.50%
	0.00%	0.69%	0.881	0.767	0.000	0.894	0.250	0.615	0.664	0.625	0.000	0.787	0.708	0.679	0.657	0.813	0.000	0.716	0.000	0.594	0.766	0.825	0.250	0.813	0.925

**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	
12:00 PM	1	12	115	17	0	145	0	20	26	17	0	63	19	63	97	16	0	195	0	22	24	46	0	92	495
12:15 PM	1	13	107	27	0	148	0	13	25	17	0	55	15	59	106	27	2	207	0	16	22	37	0	75	485
12:30 PM	0	13	104	20	0	137	0	25	25	11	0	61	9	53	95	18	0	175	0	19	37	53	0	109	482
12:45 PM	0	16	118	12	0	146	0	20	18	10	0	48	11	50	108	15	0	184	0	23	36	55	0	114	492
Peak Hour Total	2	54	444	76	0	576	0	78	94	55	0	227	54	225	406	76	2	761	0	80	119	191	0	390	1954
Peak Hour Heavy Vehicle	0	1	4	0	0	5	0	2	0	0	0	2	0	3	2	1	0	6	0	0	2	4	0	6	19
Peak Hour Heavy Vehicle PHF	0.00%	1.85%	0.90%	0.00%	0.00%	0.87%	0.00%	2.56%	0.00%	0.00%	0.00%	0.88%	0.00%	1.33%	0.49%	1.32%	0.00%	0.79%	0.00%	0.00%	1.68%	2.09%	0.00%	1.54%	0.97%
	0.500	0.844	0.941	0.704	0.000	0.973	0.000	0.780	0.904	0.809	0.000	0.901	0.711	0.893	0.940	0.704	0.250	0.919	0.000	0.870	0.804	0.868	0.000	0.855	0.987

**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	1	13	144	22	0	180	0	43	40	28	0	111	10	39	338	20	0	407	0	33	39	45	0	117	815
4:30 PM	0	13	140	32	0	185	0	42	49	21	0	112	8	81	308	31	0	428	0	31	45	55	0	131	856
4:45 PM	1	20	134	17	0	172	0	25	51	18	0	94	12	83	262	28	0	385	0	32	39	63	0	134	785
5:00 PM	1	8	137	29	0	175	0	31	43	26	0	100	11	74	320	16	0	421	0	32	41	57	1	130	826
Peak Hour Total	3	54	555	100	0	712	0	141	183	93	0	417	41	277	1228	95	0	1641	0	128	164	220	1	512	3282
Peak Hour Heavy Vehicle	0	0	6	0	0	6	0	1	2	2	0	5	1	0	4	1	0	6	0	1	1	4	1	6	23
Peak Hour Heavy Vehicle PHF	0.00%	0.00%	1.08%	0.00%	0.00%	0.84%	0.00%	0.71%	1.09%	2.15%	0.00%	1.20%	2.44%	0.00%	0.33%	1.05%	0.00%	0.37%	0.00%	0.78%	0.61%	1.82%	100.00%	1.17%	0.70%
	0.750	0.675	0.964	0.781	0.000	0.962	0.000	0.820	0.897	0.830	0.000	0.931	0.854	0.834	0.908	0.766	0.000	0.959	0.000	0.970	0.911	0.873	0.250	0.955	0.959

Total Vehicles On Leg		22819	
Vehicles Entering Intersection	11616	Vehicles Exiting Intersection	11203
<b>Southbound</b>			
Cars	1186	9566	741
Heavy	10	92	5
<b>Total</b>	<b>1196</b>	<b>9658</b>	<b>746</b>

Total Vehicles on Leg 12180	Vehicles Entering Intersection 6078	Eastbound	Cars	Heavy	Total
	Vehicles Exiting Intersection 6102		4	10	14
			2	0	2
			1321	12	1333
	1858	29	1887		
	2815	41	2856		

**Daily Volumes**

Cars	6	541	3330	8987	1125
Heavy	0	1	31	79	28
<b>Total</b>	<b>6</b>	<b>542</b>	<b>3361</b>	<b>9066</b>	<b>1153</b>
<b>Northbound</b>					
Vehicles Entering Intersection	14122	Vehicles Exiting Intersection	14279		
Total Vehicles On Leg		28401			

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 7346
778	10	788		3557	
1524	19	1543		Vehicles Exiting Intersection 3789	
1190	33	1223			
3	0	3			
0	0	0			

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine Minnesota  
Tuesday, April 14, 2026

Time	Southbound Heavy CSAH 17						Westbound Heavy CSAH 12						Northbound Heavy CSAH 17						Eastbound Heavy CSAH 12						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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	1	0	0	0	0	0	1
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	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	2
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45 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
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	2
3:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	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	2	2	0	0	0	4	0	0	0	1	0	0	5
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
4:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	3
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
5:15 AM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
5:30 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	2	0	0	4
5:45 AM	0	0	1	0	0	1	0	1	0	0	0	1	0	1	0	1	0	2	0	0	0	1	0	0	5
Hourly 'Heavy Vehicles'	0	0	2	0	0	2	0	3	0	0	0	3	0	1	1	1	0	3	0	0	0	4	0	0	12
6:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	0	2	0	0	1	0	0	1	4
6:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4
6:30 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	1	1	0	0	2	0	0	1	2	0	0	7
6:45 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	4	1	0	5	0	0	1	1	0	2	0	3	3	0	0	6	0	0	2	2	0	0	17
7:00 AM	0	0	2	1	0	3	0	0	1	0	0	1	0	1	1	0	0	2	0	0	0	0	0	0	6
7:15 AM	0	0	2	0	0	2	0	2	0	0	0	2	0	0	2	0	0	2	0	0	1	1	0	0	8
7:30 AM	0	1	3	1	0	5	0	1	0	0	0	1	0	1	1	1	0	3	0	0	2	0	0	0	11
7:45 AM	0	1	4	1	0	6	0	1	0	0	0	1	0	4	1	0	0	5	0	0	1	0	0	0	13
Hourly 'Heavy Vehicles'	0	2	11	3	0	16	0	4	1	0	0	5	0	6	5	1	0	12	0	0	4	1	0	0	38

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine Minnesota  
Tuesday, April 14, 2026

Time	Southbound Heavy CSAH 17						Westbound Heavy CSAH 12						Northbound Heavy CSAH 17						Eastbound Heavy CSAH 12						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	
8:00 AM	0	0	3	1	0	4	0	0	1	0	0	1	0	0	1	0	0	1	0	1	1	0	0	2	8
8:15 AM	0	0	1	0	0	1	0	1	1	0	0	2	0	2	3	0	0	5	0	1	1	1	0	3	11
8:30 AM	0	0	2	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	2	0	3	7
8:45 AM	0	1	3	0	0	4	0	0	0	0	0	0	0	2	4	2	0	8	0	0	0	0	0	0	12
Hourly 'Heavy Vehicles'	0	1	9	1	0	11	0	1	4	0	0	5	0	4	8	2	0	14	0	3	2	3	0	8	38
9:00 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	2	0	0	0	2	0	2	5
9:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	5	2	0	7	0	0	0	1	0	1	11
9:30 AM	0	0	1	0	0	1	0	3	0	0	0	3	0	1	1	1	0	3	0	0	2	0	0	2	9
9:45 AM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	3	1	0	4	0	0	1	0	0	1	7
Hourly 'Heavy Vehicles'	0	0	5	0	0	5	0	5	0	0	0	5	0	1	10	5	0	16	0	0	3	3	0	6	32
10:00 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	0	0	3	0	0	1	0	0	1	5
10:15 AM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	2	2	3	6
10:30 AM	0	0	2	1	0	3	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	6
10:45 AM	0	0	0	0	0	0	0	2	1	0	0	3	0	0	2	1	0	3	0	0	1	0	1	1	7
Hourly 'Heavy Vehicles'	0	0	3	1	0	4	0	5	1	0	0	6	0	0	8	1	0	9	0	1	2	2	3	5	24
11:00 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	1	1	2	0	4	0	0	0	1	0	1	10
11:15 AM	0	0	6	0	0	6	0	1	0	0	0	1	0	0	4	1	0	5	0	0	2	2	0	4	16
11:30 AM	0	0	0	0	0	0	0	1	1	1	0	3	0	0	1	1	0	2	0	0	0	0	0	0	5
11:45 AM	0	0	3	0	0	3	0	0	0	1	0	1	0	3	1	2	0	6	0	2	1	1	0	4	14
Hourly 'Heavy Vehicles'	0	0	14	0	0	14	0	2	1	2	0	5	0	4	7	6	0	17	0	2	3	4	0	9	45
12:00 PM	0	0	3	0	0	3	0	2	0	0	0	2	0	0	1	0	0	1	0	0	1	1	0	2	8
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	1	0	1	3
12:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	3
12:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	2	0	3	5
Hourly 'Heavy Vehicles'	0	1	4	0	0	5	0	2	0	0	0	2	0	3	2	1	0	6	0	0	2	4	0	6	19
1:00 PM	0	0	2	0	0	2	0	3	1	0	0	4	0	2	3	0	0	5	0	0	0	3	0	3	14
1:15 PM	0	0	1	0	0	1	0	1	0	1	0	2	0	0	0	1	0	1	0	0	1	2	1	3	7
1:30 PM	0	0	2	2	0	4	0	1	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	7
1:45 PM	0	0	1	0	0	1	0	0	2	0	0	2	0	0	2	2	0	4	0	1	1	1	0	3	10
Hourly 'Heavy Vehicles'	0	0	6	2	0	8	0	5	3	1	0	9	0	2	5	4	0	11	0	1	3	6	1	10	38
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	1	0	0	1	3
2:15 PM	0	1	3	0	0	4	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	2	7
2:30 PM	0	0	3	0	0	3	0	1	0	0	0	1	0	1	4	1	0	6	0	0	0	0	0	0	10
2:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	3	0	1	0	0	1	1	5
Hourly 'Heavy Vehicles'	0	1	6	0	0	7	0	1	1	0	0	2	0	2	6	4	0	12	0	1	2	1	1	4	25
3:00 PM	0	0	2	0	0	2	0	0	2	0	0	2	0	1	1	0	0	2	0	1	0	0	0	1	7
3:15 PM	0	0	2	0	0	2	0	0	0	1	0	1	0	0	1	0	0	1	0	1	1	1	0	3	7
3:30 PM	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	4
3:45 PM	0	0	2	0	0	2	0	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	1	0	5
Hourly 'Heavy Vehicles'	0	0	7	1	0	8	0	2	2	2	0	6	0	1	2	0	0	3	0	2	2	2	1	6	23

TMC 2619 - CSAH 17 @ CSAH 12  
Blaine, Minnesota  
Tuesday, April 14, 2026

Time	Southbound Heavy CSAH 17						Westbound Heavy CSAH 12						Northbound Heavy CSAH 17						Eastbound Heavy CSAH 12						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	
4:00 PM	0	0	2	0	0	2	0	0	0	2	0	2	0	0	1	1	0	2	0	0	2	1	2	3	9
4:15 PM	0	0	2	0	0	2	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	5
4:30 PM	0	0	3	0	0	3	0	0	1	0	0	1	0	0	1	1	0	2	0	0	0	2	0	2	8
4:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2	0	0	3	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	0	7	0	0	7	0	0	2	4	0	6	1	0	4	2	0	7	0	0	3	3	2	6	26
5:00 PM	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	2	1	3	6
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	1	0	0	1	4
5:30 PM	0	0	0	0	0	0	0	1	2	0	0	3	0	0	1	0	0	1	0	0	0	0	0	0	4
5:45 PM	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
Hourly 'Heavy Vehicles'	0	0	3	0	0	3	0	2	2	0	0	4	0	0	7	0	0	7	0	1	1	2	1	4	18
6:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	1	0	3
6:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	2
Hourly 'Heavy Vehicles'	0	0	2	1	0	3	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	1	1	1	8
7:00 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
7:15 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
7:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
7:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	3
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	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	2
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	3
10:45 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	0	1	0	0	1	0	1	0	0	0	1	0	0	3	1	0	4	0	0	0	0	0	0	6
11:00 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
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
<b>DAILY 'Heavy Vehicles'</b>	<b>0</b>	<b>5</b>	<b>92</b>	<b>10</b>	<b>0</b>	<b>107</b>	<b>0</b>	<b>33</b>	<b>19</b>	<b>10</b>	<b>0</b>	<b>62</b>	<b>1</b>	<b>31</b>	<b>79</b>	<b>28</b>	<b>0</b>	<b>139</b>	<b>0</b>	<b>12</b>	<b>29</b>	<b>41</b>	<b>10</b>	<b>82</b>	<b>390</b>

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2619

Study Date : 06/11/2026

## Signal Warrants - Summary

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### Major Street Approaches

Northbound: CSAH 17

Number of Lanes : 2+

Total Approach Volume: 14,122

Southbound: CSAH 17

Number of Lanes :2+

Total Approach Volume: 11,616

### Minor Street Approaches

Eastbound: CSAH 12

Number of Lanes :2+

Total Approach Volume: 3,222

Westbound: CSAH 12

Number of Lanes :2+

Total Approach Volume: 2,769

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### Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 16 hours, 8 are needed

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

Required volumes reached for 18 hours, 8 are needed

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

Required 1A volumes reached for 17 hours, 8 are needed

Required 1B volumes reached for 18 hours, 8 are needed

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

Number of hours (16) volumes exceed minimum >= minimum required (4).

**Warrant 3 - Peak Hour.....Satisfied**

**Warrant 3A - Peak Hour Delay.....Not Satisfied**

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

**Warrant 3B - Peak Hour Volumes.....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: 2619

Study Date : 06/11/2026

## Warrant 1A - Minimum Volumes

#### Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

#### Summary

16 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 = **252**  
 Veh/Hr Minor = **84**

Time	Major Road CSAH 17					Minor Road CSAH 12		Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
15:45 - 16:45	1613	+	662	=	2275	285	331	Yes
16:45 - 17:45	1577	+	676	=	2253	288	265	Yes
14:45 - 15:45	1428	+	629	=	2057	238	246	Yes
06:45 - 07:45	437	+	1491	=	1928	115	165	Yes
17:45 - 18:45	1222	+	628	=	1850	280	177	Yes
07:45 - 08:45	594	+	1163	=	1757	123	153	Yes
08:45 - 09:45	564	+	869	=	1433	145	142	Yes
13:45 - 14:45	853	+	576	=	1429	232	198	Yes
11:45 - 12:45	757	+	566	=	1323	191	173	Yes
12:45 - 13:45	725	+	561	=	1286	195	164	Yes
18:45 - 19:45	838	+	438	=	1276	265	136	Yes
10:45 - 11:45	604	+	561	=	1165	167	143	Yes
05:45 - 06:45	240	+	877	=	1117	65	106	Yes
09:45 - 10:45	515	+	594	=	1109	150	128	Yes
19:45 - 20:45	650	+	346	=	996	202	94	Yes
20:45 - 21:45	531	+	237	=	768	161	42	Yes
05:30 - 06:30	208	+	704	=	912	49	80	No
05:15 - 06:15	143	+	578	=	721	35	67	No
05:00 - 06:00	103	+	457	=	560	24	55	No
21:45 - 22:45	407	+	125	=	532	51	15	No
22:00 - 23:00	393	+	111	=	504	42	17	No
04:45 - 05:45	51	+	365	=	416	16	41	No
22:15 - 23:15	312	+	100	=	412	30	20	No
22:30 - 23:30	261	+	73	=	334	30	18	No
04:30 - 05:30	34		295		329	13	35	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2619

Study Date : 06/11/2026

## Warrant 1B - Interruption of Continuous Traffic

#### Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

#### Summary

18 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 = **378**  
 Veh/Hr Minor = **42**

Time	Major Road CSAH 17					Minor Road CSAH 12		Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
16:00 - 17:00	1617	+	695	=	2312	294	337	Yes
17:00 - 18:00	1527	+	700	=	2227	280	245	Yes
15:00 - 16:00	1480	+	603	=	2083	251	273	Yes
07:00 - 08:00	490	+	1534	=	2024	117	182	Yes
18:00 - 19:00	1115	+	556	=	1671	268	163	Yes
08:00 - 09:00	563	+	1075	=	1638	135	131	Yes
14:00 - 15:00	1002	+	602	=	1604	231	187	Yes
12:00 - 13:00	761	+	576	=	1337	199	172	Yes
06:00 - 07:00	301	+	1028	=	1329	78	120	Yes
09:00 - 10:00	554	+	765	=	1319	136	142	Yes
13:00 - 14:00	721	+	554	=	1275	186	180	Yes
11:00 - 12:00	657	+	567	=	1224	185	156	Yes
19:00 - 20:00	778	+	408	=	1186	273	127	Yes
10:00 - 11:00	512	+	570	=	1082	154	126	Yes
20:00 - 21:00	617	+	313	=	930	195	76	Yes
21:00 - 22:00	496	+	204	=	700	127	31	Yes
05:00 - 06:00	103	+	457	=	560	24	55	Yes
22:00 - 23:00	393	+	111	=	504	42	17	Yes
04:45 - 05:45	51	+	365	=	416	16	41	No
04:30 - 05:30	34	+	295	=	329	13	35	No
04:15 - 05:15	36	+	203	=	239	11	27	No
23:00 - 00:00	192	+	44	=	236	20	13	No
04:00 - 05:00	32	+	159	=	191	10	17	No
23:15 - 00:15	149	+	30	=	179	16	4	No
03:45 - 04:45	37		109		146	9	13	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2619

Study Date : 06/11/2026

## Warrant 1C Combination of Warrants

#### Description

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

#### Summary

17 hours meet 1A minimums.  
18 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 = **202 302**  
  
Veh/Hr Minor = **67 34**

#### Major Road CSAH 17

#### Minor Road CSAH 12

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:15 - 17:15	1641	+	712	=	2353	292	324	Yes
15:15 - 16:15	1549	+	626	=	2175	254	288	Yes
17:15 - 18:15	1401	+	657	=	2058	277	217	Yes
07:15 - 08:15	520	+	1462	=	1982	131	189	Yes
14:15 - 15:15	1119	+	590	=	1709	260	223	Yes
08:15 - 09:15	577	+	982	=	1559	129	120	Yes
18:15 - 19:15	1018	+	540	=	1558	277	150	Yes
06:15 - 07:15	348	+	1209	=	1557	81	137	Yes
13:15 - 14:15	770	+	575	=	1345	197	176	Yes
12:15 - 13:15	728	+	557	=	1285	185	166	Yes
11:15 - 12:15	709	+	543	=	1252	193	172	Yes
09:15 - 10:15	522	+	706	=	1228	152	140	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:30 - 17:30	1647	+	684	=	2331	300	298	Yes
15:30 - 16:30	1600	+	645	=	2245	272	304	Yes
17:30 - 18:30	1302	+	656	=	1958	287	193	Yes
14:30 - 15:30	1266	+	603	=	1869	242	249	Yes
07:30 - 08:30	571	+	1295	=	1866	124	159	Yes
06:30 - 07:30	381	+	1389	=	1770	101	170	Yes
08:30 - 09:30	568	+	939	=	1507	143	117	Yes
18:30 - 19:30	913	+	507	=	1420	271	146	Yes
13:30 - 14:30	787	+	579	=	1366	207	171	Yes
11:30 - 12:30	751	+	549	=	1300	184	162	Yes
12:30 - 13:30	713	+	553	=	1266	209	174	Yes
10:30 - 11:30	576	+	602	=	1178	160	136	Yes

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2619

Study Date : 06/11/2026

## Warrant 2 - Four Hour Volumes

#### Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

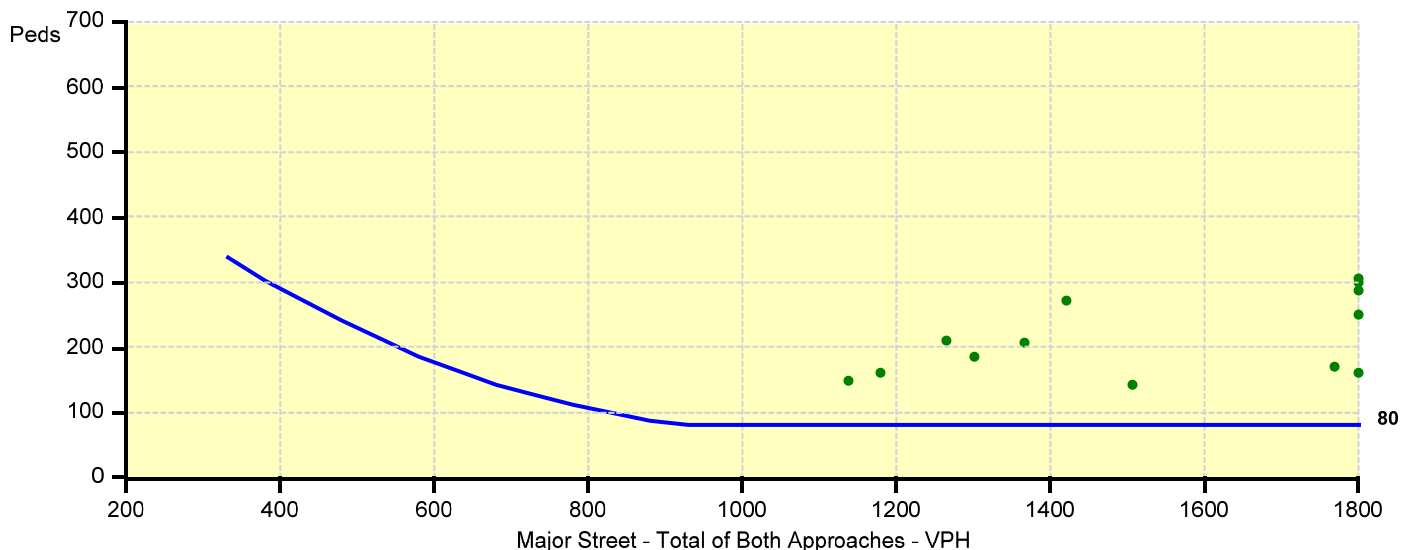
#### Summary

16 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**

Time	Major Road CSAH 17				Total	Minor Road CSAH 12		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:30 - 17:30	1647	+	684	=	2331	300	298	Yes
15:30 - 16:30	1600	+	645	=	2245	272	304	Yes
17:30 - 18:30	1302	+	656	=	1958	287	193	Yes
14:30 - 15:30	1266	+	603	=	1869	242	249	Yes
07:30 - 08:30	571	+	1295	=	1866	124	159	Yes
06:30 - 07:30	381	+	1389	=	1770	101	170	Yes
08:30 - 09:30	568	+	939	=	1507	143	117	Yes
18:30 - 19:30	913	+	507	=	1420	271	146	Yes
13:30 - 14:30	787	+	579	=	1366	207	171	Yes
11:30 - 12:30	751	+	549	=	1300	184	162	Yes
12:30 - 13:30	713	+	553	=	1266	209	174	Yes
10:30 - 11:30	576	+	602	=	1178	160	136	Yes



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: 2619

Study Date : 06/11/2026

## Warrant 3B - Peak Hour Volumes

#### Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

#### Summary

59 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**

Time	Major Road CSAH 17				Total	Minor Road CSAH 12		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:15 - 17:15	1641	+	712	=	2353	292	324	Yes
16:30 - 17:30	1647	+	684	=	2331	300	298	Yes
16:00 - 17:00	1617	+	695	=	2312	294	337	Yes
15:45 - 16:45	1613	+	662	=	2275	285	331	Yes
16:45 - 17:45	1577	+	676	=	2253	288	265	Yes
15:30 - 16:30	1600	+	645	=	2245	272	304	Yes
17:00 - 18:00	1527	+	700	=	2227	280	245	Yes
15:15 - 16:15	1549	+	626	=	2175	254	288	Yes
15:00 - 16:00	1480	+	603	=	2083	251	273	Yes
17:15 - 18:15	1401	+	657	=	2058	277	217	Yes
14:45 - 15:45	1428	+	629	=	2057	238	246	Yes
07:00 - 08:00	490		1534		2024	117	182	Yes

