

Date : 10/05/21

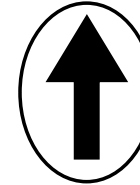
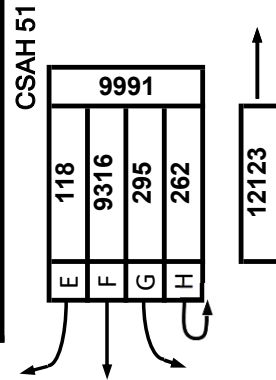
Count Number : TMC 2112

Location : CSAH 51 (Univeristy Ave.)
@ 105th Ave.

Collection Period : 24 Hours

22114

#2

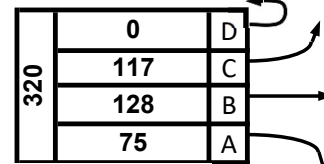


North

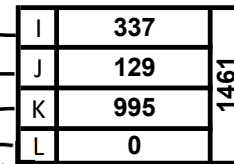
105th Ave.

670

#1



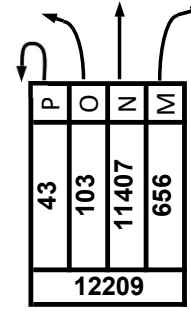
105th Ave.



#3

2540

1079



#4

22638

CSAH 51

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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

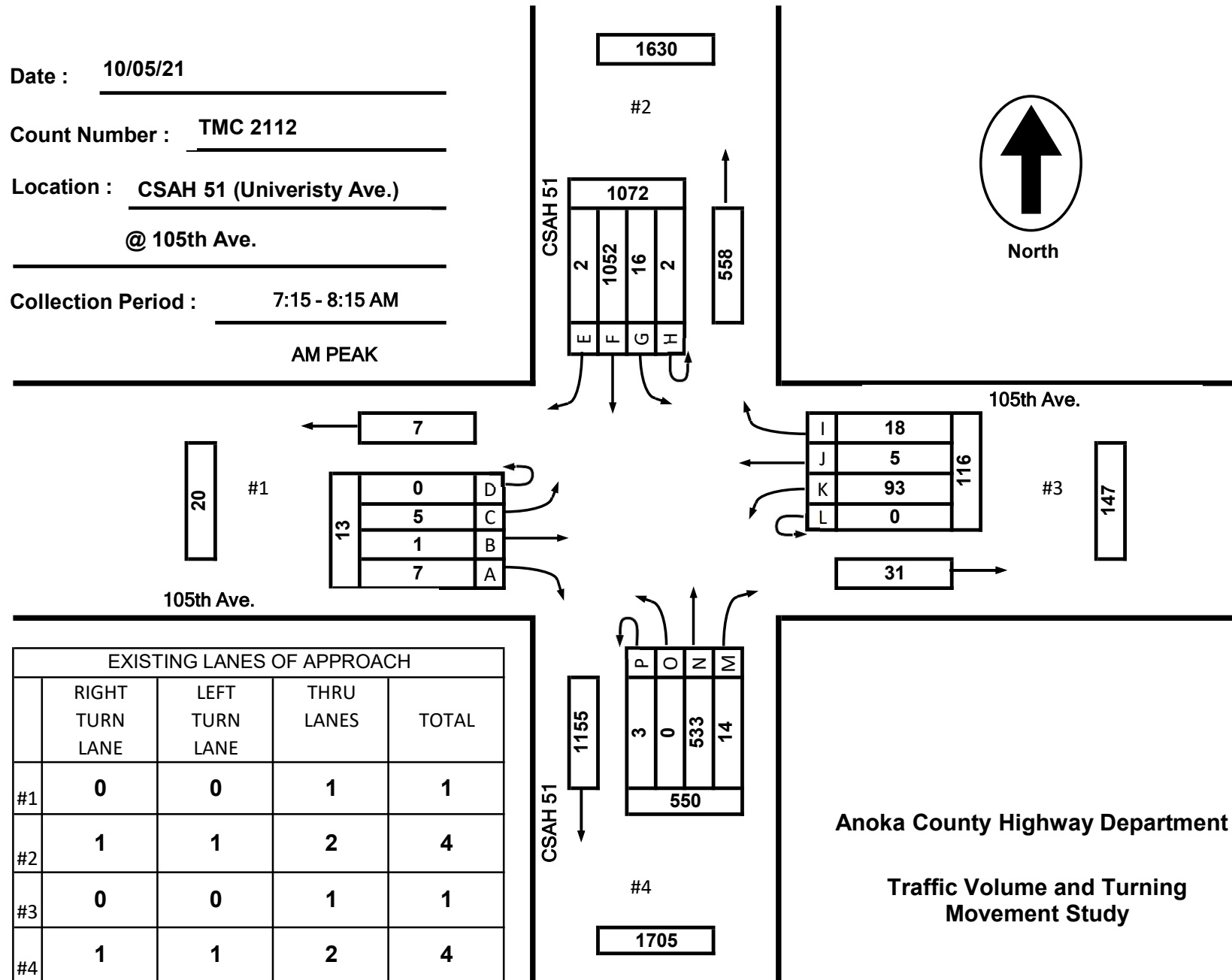
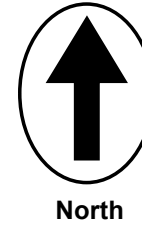
Date : 10/05/21

Count Number : TMC 2112

Location : CSAH 51 (Univeristy Ave.)
@ 105th Ave.

Collection Period : 7:15 - 8:15 AM

AM PEAK



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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

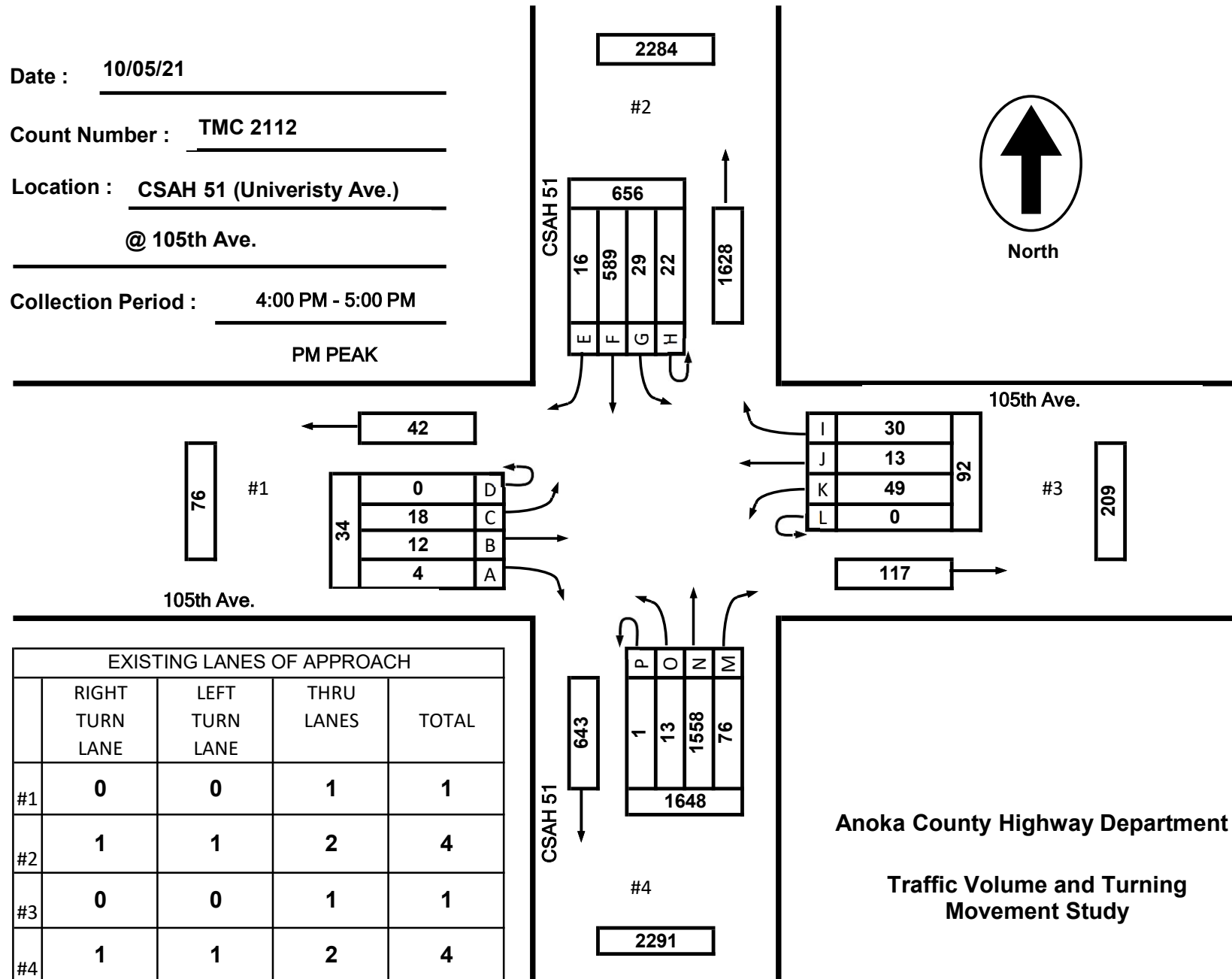
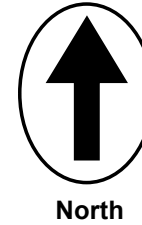
Date : 10/05/21

Count Number : TMC 2112

Location : CSAH 51 (Univeristy Ave.)
@ 105th Ave.

Collection Period : 4:00 PM - 5:00 PM

PM PEAK



105th Ave.

105th Ave.

CSAH 51

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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

**CSAH 51 @ 105th Ave
Blaine MN
Tuesday, October 5, 2021**

Time	Southbound CSAH 51						Westbound 105th Ave						Northbound CSAH 51						Eastbound 105th Ave						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	4	0	0	4	0	0	1	0	0	1	0	0	19	3	0	22	0	0	1	1	0	2	29
12:15 AM	1	2	6	2	0	11	0	0	1	1	0	2	1	0	16	1	0	18	0	0	1	0	0	1	32
12:30 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	12	1	0	13	0	1	1	0	0	2	21
12:45 AM	0	0	5	1	0	6	0	2	0	0	0	2	0	0	10	1	0	11	0	0	0	0	0	0	19
Hourly Total	1	2	21	3	0	27	0	2	2	1	0	5	1	0	57	6	0	64	0	1	3	1	0	5	101
1:00 AM	0	0	5	1	0	6	0	0	0	0	0	0	0	0	19	0	0	19	0	2	0	0	0	2	27
1:15 AM	1	1	8	0	0	10	0	1	0	1	0	2	0	1	10	1	0	12	0	0	0	0	0	0	24
1:30 AM	0	0	9	1	0	10	0	0	0	0	0	0	0	0	12	0	0	12	0	0	1	0	0	1	23
1:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	0	13
Hourly Total	1	1	27	2	0	31	0	1	0	1	0	2	0	1	48	2	0	51	0	2	1	0	0	3	87
2:00 AM	0	2	3	0	0	5	0	1	0	0	0	1	1	0	8	0	0	9	0	0	0	0	0	0	15
2:15 AM	0	0	7	0	0	7	0	1	0	0	0	1	0	0	11	2	0	13	0	0	0	0	0	0	21
2:30 AM	0	0	8	0	0	8	0	1	0	0	0	1	0	0	10	2	0	12	0	0	0	0	0	0	21
2:45 AM	0	0	3	0	0	3	0	1	0	0	0	1	0	0	6	1	0	7	0	0	0	0	0	0	11
Hourly Total	0	2	21	0	0	23	0	4	0	0	0	4	1	0	35	5	0	41	0	0	0	0	0	0	68
3:00 AM	0	0	8	0	0	8	0	3	0	0	0	3	0	0	6	1	0	7	0	0	0	0	0	0	18
3:15 AM	0	0	9	0	0	9	0	4	0	0	0	4	0	0	9	0	0	9	0	0	1	0	0	1	23
3:30 AM	0	0	27	0	0	27	0	2	1	0	0	3	0	0	4	0	0	4	0	0	0	0	0	0	34
3:45 AM	0	0	17	0	0	17	0	2	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	21
Hourly Total	0	0	61	0	0	61	0	11	1	0	0	12	0	0	21	1	0	22	0	0	1	0	0	1	96
4:00 AM	0	0	23	0	0	23	0	2	0	0	0	2	0	0	7	0	0	7	0	0	0	0	0	0	32
4:15 AM	0	0	39	0	0	39	0	4	0	1	0	5	0	0	5	1	0	6	0	0	0	0	0	0	50
4:30 AM	0	0	57	0	0	57	0	10	0	1	0	11	0	0	7	0	0	7	0	0	0	0	0	0	75
4:45 AM	0	0	44	0	0	44	0	8	0	0	0	8	0	0	8	1	0	9	0	0	0	0	0	0	61
Hourly Total	0	0	163	0	0	163	0	24	0	2	0	26	0	0	27	2	0	29	0	0	0	0	0	0	218
5:00 AM	0	0	62	0	0	62	0	12	0	2	1	14	0	0	14	0	0	14	0	0	0	2	0	2	92
5:15 AM	0	0	108	0	0	108	0	12	0	0	0	12	1	0	14	0	0	15	0	0	0	2	0	2	137
5:30 AM	0	0	112	0	0	112	0	28	2	1	0	31	0	0	15	2	0	17	0	1	0	1	0	2	162
5:45 AM	0	1	121	0	0	122	0	14	1	0	1	15	0	1	18	1	0	20	0	0	0	1	0	1	158
Hourly Total	0	1	403	0	0	404	0	66	3	3	2	72	1	1	61	3	0	66	0	1	0	6	0	7	549
6:00 AM	0	2	133	1	0	136	0	20	0	0	0	20	1	0	27	0	0	28	0	1	0	2	0	3	187
6:15 AM	0	0	184	0	0	184	0	20	1	1	0	22	1	0	54	3	0	58	0	4	1	1	0	6	270
6:30 AM	0	3	206	0	0	209	0	31	1	2	0	34	1	0	56	0	0	57	0	1	0	1	0	2	302
6:45 AM	0	0	193	0	0	193	0	24	0	3	0	27	1	1	96	1	0	99	0	0	0	2	0	2	321
Hourly Total	0	5	716	1	0	722	0	95	2	6	0	103	4	1	233	4	0	242	0	6	1	6	0	13	1080
7:00 AM	0	2	189	1	0	192	0	28	0	7	0	35	0	1	126	7	0	134	0	0	1	1	0	2	363
7:15 AM	0	1	267	0	0	268	0	30	1	6	0	37	1	0	130	3	0	134	0	2	0	2	0	4	443
7:30 AM	1	4	287	0	0	292	0	36	3	4	0	43	1	0	137	2	0	140	0	2	0	2	0	4	479
7:45 AM	1	6	253	0	1	260	0	9	1	5	0	15	0	0	134	4	0	138	0	1	0	1	0	2	415
Hourly Total	2	13	996	1	1	1012	0	103	5	22	0	130	2	1	527	16	0	546	0	5	1	6	0	12	1700

**CSAH 51 @ 105th Ave
Blaine MN
Tuesday, October 5, 2021**

Time	Southbound CSAH 51						Westbound 105th Ave						Northbound CSAH 51						Eastbound 105th Ave						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	5	245	2	0	252	0	18	0	3	0	21	1	0	132	5	0	138	0	0	1	2	0	3	414
8:15 AM	2	2	214	0	0	218	0	23	2	0	0	25	0	2	155	4	0	161	0	2	0	1	0	3	407
8:30 AM	1	2	182	0	0	185	0	19	4	3	0	26	2	2	145	9	0	158	0	1	2	1	0	4	373
8:45 AM	1	1	165	2	0	169	0	13	2	1	1	16	0	1	131	3	0	135	0	0	2	0	0	2	322
Hourly Total	4	10	806	4	0	824	0	73	8	7	1	88	3	5	563	21	0	592	0	3	5	4	0	12	1516
9:00 AM	2	1	155	0	0	158	0	9	1	3	0	13	0	0	96	6	0	102	0	2	3	5	0	10	283
9:15 AM	3	7	125	0	0	135	0	12	1	5	1	18	3	2	121	2	0	128	0	1	1	4	0	6	287
9:30 AM	3	1	116	0	0	120	0	10	1	5	0	16	2	1	94	1	0	98	0	1	0	0	0	1	235
9:45 AM	2	4	114	2	0	122	0	16	0	3	0	19	0	0	101	4	0	105	0	2	2	0	1	4	250
Hourly Total	10	13	510	2	0	535	0	47	3	16	1	66	5	3	412	13	0	433	0	6	6	9	1	21	1055
10:00 AM	6	4	108	2	0	120	0	17	0	3	2	20	1	2	88	6	0	97	0	1	1	0	0	2	239
10:15 AM	3	1	119	1	0	124	0	8	1	7	1	16	0	0	110	4	0	114	0	1	0	1	0	2	256
10:30 AM	4	6	96	0	0	106	0	7	4	6	2	17	0	0	99	5	0	104	0	1	2	0	0	3	230
10:45 AM	4	6	102	1	0	113	0	11	2	1	1	14	2	1	108	3	0	114	0	3	1	3	0	7	248
Hourly Total	17	17	425	4	0	463	0	43	7	17	6	67	3	3	405	18	0	429	0	6	4	4	0	14	973
11:00 AM	3	3	92	0	0	98	0	14	1	10	0	25	1	0	105	13	0	119	0	2	4	0	0	6	248
11:15 AM	3	2	102	7	0	114	0	12	3	10	0	25	0	1	113	7	0	121	0	1	0	3	0	4	264
11:30 AM	6	7	103	1	0	117	0	10	2	5	1	17	0	0	122	7	0	129	0	1	1	2	0	4	267
11:45 AM	3	4	96	2	0	105	0	7	4	4	1	15	0	1	131	7	0	139	0	3	1	0	1	4	263
Hourly Total	15	16	393	10	0	434	0	43	10	29	2	82	1	2	471	34	0	508	0	7	6	5	1	18	1042
12:00 PM	10	8	101	2	0	121	0	13	1	6	1	20	3	0	105	11	0	119	0	1	0	3	0	4	264
12:15 PM	4	1	124	0	0	129	0	5	2	3	0	10	0	1	140	8	0	149	0	0	1	0	1	1	289
12:30 PM	5	6	108	2	0	121	0	11	3	4	0	18	1	1	125	6	0	133	0	3	0	0	0	3	275
12:45 PM	3	0	115	4	0	122	0	9	1	8	0	18	1	3	140	11	0	155	0	3	0	0	0	3	298
Hourly Total	22	15	448	8	0	493	0	38	7	21	1	66	5	5	510	36	0	556	0	7	1	3	1	11	1126
1:00 PM	5	3	112	1	0	121	0	13	1	4	0	18	0	1	135	8	0	144	0	1	3	1	0	5	288
1:15 PM	5	4	107	0	0	116	0	17	3	5	0	25	0	2	128	8	1	138	0	0	0	0	1	0	279
1:30 PM	7	6	117	1	0	131	0	14	2	2	0	18	0	1	151	8	0	160	0	2	2	1	1	5	314
1:45 PM	7	1	103	2	0	113	0	11	2	5	0	18	0	2	172	3	0	177	0	0	0	1	0	1	309
Hourly Total	24	14	439	4	0	481	0	55	8	16	0	79	0	6	586	27	1	619	0	3	5	3	2	11	1190
2:00 PM	0	3	119	2	0	124	0	12	1	4	0	17	0	0	170	7	0	177	0	2	1	3	1	6	324
2:15 PM	3	2	128	3	0	136	0	12	1	1	0	14	0	1	224	12	0	237	0	1	2	1	0	4	391
2:30 PM	5	5	148	1	0	159	0	12	0	5	0	17	0	2	218	11	0	231	0	0	1	0	0	1	408
2:45 PM	8	8	155	1	0	172	0	9	1	3	2	13	0	4	292	17	0	313	0	1	2	1	0	4	502
Hourly Total	16	18	550	7	0	591	0	45	3	13	2	61	0	7	904	47	0	958	0	4	6	5	1	15	1625
3:00 PM	1	9	156	3	0	169	0	10	3	5	0	18	0	6	259	14	0	279	0	2	2	1	1	5	471
3:15 PM	9	6	162	1	1	178	0	16	1	4	1	21	1	2	306	18	0	327	0	1	5	0	1	6	532
3:30 PM	1	8	162	1	0	172	0	20	1	13	1	34	0	2	340	26	0	368	0	2	6	1	0	9	583
3:45 PM	4	4	174	2	0	184	0	14	1	7	0	22	0	4	368	18	0	390	0	2	3	2	0	7	603
Hourly Total	15	27	654	7	1	703	0	60	6	29	2	95	1	14	1273	76	0	1364	0	7	16	4	2	27	2189

**CSAH 51 @ 105th Ave
Blaine MN
Tuesday, October 5, 2021**

Time	Southbound CSAH 51						Westbound 105th Ave						Northbound CSAH 51						Eastbound 105th Ave						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	6	9	150	2	0	167	0	10	6	6	1	22	0	6	397	17	0	420	0	3	3	2	0	8	617
4:15 PM	5	10	131	4	0	150	0	10	0	9	0	19	0	1	405	24	0	430	0	4	2	0	0	6	605
4:30 PM	4	1	147	6	0	158	0	11	4	6	0	21	1	1	357	17	0	376	0	6	2	0	0	8	563
4:45 PM	7	9	161	4	0	181	0	18	3	9	1	30	0	5	399	18	0	422	0	5	5	2	0	12	645
Hourly Total	22	29	589	16	0	656	0	49	13	30	2	92	1	13	1558	76	0	1648	0	18	12	4	0	34	2430
5:00 PM	7	11	135	3	0	156	0	18	3	8	1	29	1	4	352	27	0	384	0	2	5	3	0	10	579
5:15 PM	9	7	166	4	0	186	0	14	5	7	1	26	1	5	289	20	0	315	0	3	4	2	0	9	536
5:30 PM	7	15	140	5	0	167	0	15	4	8	0	27	0	5	300	14	1	319	0	3	7	1	1	11	524
5:45 PM	9	6	157	4	0	176	0	26	6	10	0	42	0	5	267	20	0	292	0	4	3	1	0	8	518
Hourly Total	32	39	598	16	0	685	0	73	18	33	2	124	2	19	1208	81	1	1310	0	12	19	7	1	38	2157
6:00 PM	4	5	145	2	0	156	0	21	3	8	2	32	1	1	208	19	0	229	0	2	6	0	1	8	425
6:15 PM	8	4	154	2	0	168	0	14	3	6	1	23	6	0	222	13	0	241	0	3	5	2	1	10	442
6:30 PM	12	1	114	1	0	128	0	18	4	7	0	29	0	3	191	13	0	207	0	4	2	0	1	6	370
6:45 PM	10	6	98	3	0	117	0	17	2	6	0	25	1	0	184	10	0	195	0	4	2	2	0	8	345
Hourly Total	34	16	511	8	0	569	0	70	12	27	3	109	8	4	805	55	0	872	0	13	15	4	3	32	1582
7:00 PM	5	5	99	5	0	114	0	11	1	4	0	16	1	2	164	8	0	175	0	2	1	0	0	3	308
7:15 PM	6	3	100	6	0	115	0	7	5	7	1	19	0	1	162	17	1	180	0	3	3	2	1	8	322
7:30 PM	5	5	74	0	0	84	0	7	3	9	0	19	0	1	135	8	0	144	0	4	1	0	0	5	252
7:45 PM	7	3	86	2	0	98	0	5	2	5	1	12	1	1	114	16	0	132	0	1	1	0	0	2	244
Hourly Total	23	16	359	13	0	411	0	30	11	25	2	66	2	5	575	49	1	631	0	10	6	2	1	18	1126
8:00 PM	5	4	83	2	0	94	0	6	3	6	0	15	1	1	121	8	0	131	0	1	1	0	0	2	242
8:15 PM	3	2	82	4	0	91	0	7	1	1	0	9	0	0	117	9	0	126	0	0	6	0	0	6	232
8:30 PM	4	4	50	0	0	58	0	6	1	6	0	13	0	2	115	4	0	121	0	0	2	1	0	3	195
8:45 PM	1	5	53	1	0	60	0	8	2	5	0	15	1	0	113	10	0	124	0	0	2	1	0	3	202
Hourly Total	13	15	268	7	0	303	0	27	7	18	0	52	2	3	466	31	0	502	0	1	11	2	0	14	871
9:00 PM	3	6	51	0	0	60	0	4	0	2	0	6	0	2	109	11	0	122	0	0	1	0	0	1	189
9:15 PM	5	1	51	2	0	59	0	1	1	2	3	4	0	0	100	7	0	107	0	0	0	0	0	0	170
9:30 PM	1	4	54	0	0	59	0	8	1	1	0	10	0	1	72	2	0	75	0	1	2	0	0	3	147
9:45 PM	2	4	39	0	0	45	0	5	0	3	0	8	0	3	55	5	0	63	0	1	1	0	0	2	118
Hourly Total	11	15	195	2	0	223	0	18	2	8	3	28	0	6	336	25	0	367	0	2	4	0	0	6	624
10:00 PM	0	2	30	2	0	34	0	3	0	1	0	4	0	0	55	5	0	60	0	0	0	0	0	0	98
10:15 PM	0	2	35	0	0	37	0	4	0	3	0	7	0	1	58	8	0	67	0	1	0	0	0	1	112
10:30 PM	0	1	22	0	0	23	0	3	0	4	0	7	0	0	56	4	0	60	0	0	0	0	0	0	90
10:45 PM	0	2	11	0	0	13	0	2	1	1	1	4	1	0	40	2	0	43	0	0	1	0	0	1	61
Hourly Total	0	7	98	2	0	107	0	12	1	9	1	22	1	1	209	19	0	230	0	1	1	0	0	2	361
11:00 PM	0	1	22	0	0	23	0	1	0	1	0	2	0	1	27	1	0	29	0	1	3	0	1	4	58
11:15 PM	0	0	17	1	0	18	0	2	0	0	0	2	0	2	35	1	0	38	0	0	0	0	0	0	58
11:30 PM	0	1	13	0	0	14	0	0	0	1	0	1	0	0	33	5	0	38	0	1	1	0	0	2	55
11:45 PM	0	2	13	0	0	15	0	3	0	2	1	5	0	0	22	2	2	24	0	0	0	0	0	0	44
Hourly Total	0	4	65	1	0	70	0	6	0	4	1	10	0	3	117	9	2	129	0	2	4	0	1	6	215
DAILY TOTAL	262	295	9316	118	2	9991	0	995	129	337	31	1461	43	103	11407	656	5	12209	0	117	128	75	14	320	23981
Cars	262	292	9182	118	2	9854	0	987	127	332	17	1446	42	102	11219	648	3	12011	0	116	127	73	14	316	23627
Heavy Vehicles	0	3	134	0	0	137	0	8	2	5	14	15	1	1	188	8	2	198	0	1	1	2	0	4	354
Heavy Vehicle %	0.00%	1.02%	1.44%	0.00%	0.00%	1.37%	0.00%	0.80%	1.55%	1.48%	45.16%	1.03%	2.33%	0.97%	1.65%	1.22%	40.00%	1.62%	0.00%	0.85%	0.78%	2.67%	0.00%	1.25%	1.48%

**CSAH 51 @ 105th Ave
Blaine MN
Tuesday, October 5, 2021**

AM Peak Hour

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	1	267	0	0	268	0	30	1	6	0	37	1	0	130	3	0	134	0	2	0	2	0	4	0	0	0	0	0	0	0
7:30 AM	1	4	287	0	0	292	0	36	3	4	0	43	1	0	137	2	0	140	0	2	0	2	0	4	0	0	0	0	0	0	0
7:45 AM	1	6	253	0	1	261	0	9	1	5	0	15	0	0	134	4	0	138	0	1	0	1	0	2	0	0	0	0	0	0	0
8:00 AM	0	5	245	2	0	252	0	18	0	3	0	21	1	0	132	5	0	138	0	0	1	2	0	3	0	0	0	0	0	0	1
Peak Hour Total	2	16	1052	2	1	1072	0	93	5	18	0	116	3	0	533	14	0	550	0	5	1	7	0	13	0	0	0	0	0	0	1
PHF	0.500	0.667	0.916	0.250	0.250	0.918	0.000	0.646	0.417	0.750	0.000	0.674	0.750	0.000	0.973	0.700	0.000	0.982	0.000	0.625	0.250	0.875	0.000	0.813							0.250

PM Peak Hour

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							
4:00 PM	6	9	150	2	0	167	0	10	6	6	1	22	0	6	397	17	0	420	0	3	3	2	0	8	0	0	0	0	0	0	3
4:15 PM	5	10	131	4	0	150	0	10	0	9	0	19	0	1	405	24	0	430	0	4	2	0	0	6	0	0	0	0	0	0	2
4:30 PM	4	1	147	6	0	158	0	11	4	6	0	21	1	1	357	17	0	376	0	6	2	0	0	8	0	0	0	0	0	0	2
4:45 PM	7	9	161	4	0	181	0	18	3	9	1	30	0	5	399	18	0	422	0	5	5	2	0	12	0	0	0	0	0	0	5
Peak Hour Total	22	29	589	16	0	656	0	49	13	30	2	92	1	13	1558	76	0	1648	0	18	12	4	0	34	0	0	0	0	0	0	12
PHF	0.786	0.725	0.915	0.667	0.000	0.906	0.000	0.681	0.542	0.833	0.500	0.767	0.250	0.542	0.962	0.792	0.000	0.958	0.000	0.750	0.600	0.500	0.000	0.708							0.600

Total Vehicles On Leg				22114	
Vehicles Entering Intersection 9991			Vehicles Exiting Intersection 12123		
Southbound					
Cars	118	9182	292	262	2
Heavy	0	134	3	0	0
Total	118	9316	295	262	2



Total Vehicles on Leg 670	Vehicles Entering Intersection 320	Eastbound	Cars	Heavy	Total	
			14	0	14	
			0	0	0	
	Vehicles Exiting Intersection 350		Cars	Heavy	Total	
	116		1	117		
127	1	128				
73	2	75				

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 1461	Total Vehicles on Leg 2540
332	5	337			
127	2	129			
987	8	995			
0	0	0			
17	14	31	Vehicles Exiting Intersection 1079		



Cars	3	42	102	11219	648
Heavy	2	1	1	188	8
Total	5	43	103	11407	656
Northbound					
Vehicles Entering Intersection 12209			Vehicles Exiting Intersection 10429		
Total Vehicles On Leg			22638		

Heavy Vehicles

Date	Time	Southbound					Westbound					Northbound					Eastbound				
		U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk
10/5/2021	0:00	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
	0:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0:45	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	0	0	0	0	0	0	0	0	0	0	0
	1:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	1:45	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	1	0	0	0	0	0	0	0	0
	2:15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	2:30	0	0	1	0	0	0	0	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
	3:00	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
	3:30	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	0	0	0	0	0	0	0	0	0	0	0
	4:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	4:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	4:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5:15	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:00	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
	6:15	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	6:30	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:45	0	0	3	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
	7:00	0	0	0	0	0	0	1	0	1	0	0	0	8	0	0	0	0	0	0	0
	7:15	0	0	8	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	7:30	0	1	2	0	0	0	0	1	0	0	0	0	6	0	0	0	0	0	0	0
	7:45	0	0	9	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0
	8:00	0	0	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	8:15	0	0	5	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
	8:30	0	0	3	0	0	0	0	0	0	0	0	0	6	0	0	0	0	1	0	0
	8:45	0	0	6	0	0	0	1	1	0	0	0	0	5	0	0	0	0	0	0	0
	9:00	0	0	3	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	0	0
	9:15	0	0	2	0	0	0	0	0	1	0	0	0	9	0	0	0	0	0	1	0
	9:30	0	0	1	0	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	0
	9:45	0	1	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	10:00	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	10:15	0	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0
	10:30	0	0	2	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
	10:45	0	0	3	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
	11:00	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	11:15	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
	11:30	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	11:45	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0

Heavy Vehicles

Date	Time	Southbound					Westbound					Northbound					Eastbound				
		U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk
10/05/2021	12:00	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	12:15	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12:45	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	13:00	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	13:15	0	0	1	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
	13:30	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	13:45	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	14:00	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	14:15	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	14:30	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	14:45	0	0	3	0	0	0	0	0	1	0	0	10	1	0	0	0	0	0	0	0
	15:00	0	0	5	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0	0
	15:15	0	0	5	0	0	0	2	0	1	0	0	5	0	0	0	0	0	0	0	0
	15:30	0	0	4	0	0	0	0	1	1	0	0	5	0	0	0	0	0	1	0	0
	15:45	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	16:00	0	0	5	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
	16:15	0	0	1	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
	16:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	16:45	0	0	2	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0
	17:00	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	17:15	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0
	17:30	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	17:45	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	18:00	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	18:15	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	18:30	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	18:45	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	19:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	19:15	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	19:30	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	19:45	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21:15	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21:45	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23:45	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2112

Study Date : 11/03/2021

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 51 (University Ave.)

Number of Lanes : 2+

Total Approach Volume: 12,209

Southbound: CSAH 51 (University Ave.)

Number of Lanes :2+

Total Approach Volume: 9,991

Minor Street Approaches

Eastbound: 105th Ave.

Number of Lanes :1

Total Approach Volume: 320

Westbound: 105th Ave.

Number of Lanes :1

Total Approach Volume: 1,461

Warrant Summary (Rural Values Apply)

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

Warrant 1A - Minimum Vehicular Volume.....Not Satisfied

Required volumes reached for 4 hours, 8 are needed

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

Required volumes reached for 15 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Not Satisfied

Required 1A volumes reached for 7 hours, 8 are needed

Required 1B volumes reached for 16 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 (14) 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 2112

Study Date : 11/03/2021

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

Only 4 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **420**
 Veh/Hr Minor = **105**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 51 (University Ave.)					105th Ave.		
16:30 - 17:30	1497	+	681	=	2178	39	106	Yes
17:30 - 18:30	1081	+	667	=	1748	37	124	Yes
07:15 - 08:15	550	+	1072	=	1622	13	116	Yes
06:15 - 07:15	348	+	778	=	1126	12	118	Yes
16:00 - 17:00	1648	+	656	=	2304	34	92	No
15:30 - 16:30	1608	+	673	=	2281	30	97	No
15:45 - 16:45	1616	+	659	=	2275	29	84	No
16:15 - 17:15	1612	+	645	=	2257	36	99	No
15:15 - 16:15	1505	+	701	=	2206	30	99	No
15:00 - 16:00	1364	+	703	=	2067	27	95	No
14:45 - 15:45	1287	+	691	=	1978	24	86	No
14:30 - 15:30	1150	+	678	=	1828	16	69	No
14:15 - 15:15	1060	+	636	=	1696	14	62	No
14:00 - 15:00	958	+	591	=	1549	15	61	No
13:45 - 14:45	822	+	532	=	1354	12	66	No
08:15 - 09:15	556	+	730	=	1286	19	80	No
13:30 - 14:30	751	+	504	=	1255	16	67	No
18:30 - 19:30	757	+	474	=	1231	25	89	No
08:30 - 09:30	523	+	647	=	1170	22	73	No
13:15 - 14:15	652	+	484	=	1136	12	78	No
18:45 - 19:45	694	+	430	=	1124	24	79	No
13:00 - 14:00	619	+	481	=	1100	11	79	No
12:45 - 13:45	597	+	490	=	1087	13	79	No
12:15 - 13:15	581	+	493	=	1074	12	64	No
12:30 - 13:30	570		480		1050	11	79	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2112

Study Date : 11/03/2021

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

15 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 = **1**

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **630**
 Veh/Hr Minor = **53**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 51 (University Ave.)					105th Ave.		
15:30 - 16:30	1608	+	673	=	2281	30	97	Yes
16:30 - 17:30	1497	+	681	=	2178	39	106	Yes
14:30 - 15:30	1150	+	678	=	1828	16	69	Yes
17:30 - 18:30	1081	+	667	=	1748	37	124	Yes
07:30 - 08:30	577	+	1022	=	1599	12	104	Yes
06:30 - 07:30	424	+	862	=	1286	10	133	Yes
13:30 - 14:30	751	+	504	=	1255	16	67	Yes
18:30 - 19:30	757	+	474	=	1231	25	89	Yes
08:30 - 09:30	523	+	647	=	1170	22	73	Yes
12:30 - 13:30	570	+	480	=	1050	11	79	Yes
11:30 - 12:30	536	+	472	=	1008	13	62	Yes
19:30 - 20:30	533	+	367	=	900	15	55	Yes
09:30 - 10:30	414	+	486	=	900	9	71	Yes
10:30 - 11:30	458	+	431	=	889	20	81	Yes
05:30 - 06:30	123	+	554	=	677	12	88	Yes
20:30 - 21:30	474	+	237	=	711	7	38	No
20:45 - 21:45	428	+	238	=	666	7	35	No
21:00 - 22:00	367	+	223	=	590	6	28	No
05:15 - 06:15	80	+	478	=	558	8	78	No
21:15 - 22:15	305	+	197	=	502	5	26	No
05:00 - 06:00	66	+	404	=	470	7	72	No
21:30 - 22:30	265	+	175	=	440	6	29	No
21:45 - 22:45	250	+	139	=	389	3	26	No
04:45 - 05:45	55	+	326	=	381	6	65	No
22:00 - 23:00	230		107		337	2	22	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2112

Study Date : 11/03/2021

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

Only 7 hours meet 1A minimums.
16 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **336 504**

Veh/Hr Minor = **84 42**

Major Road CSAH 51 (University Ave.)

Minor Road 105th Ave.

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
15:45 - 16:45	1616	+	659	=	2275	29	84	Yes
16:45 - 17:45	1440	+	690	=	2130	42	112	Yes
14:45 - 15:45	1287	+	691	=	1978	24	86	Yes
07:30 - 08:30	577	+	1022	=	1599	12	104	Yes
17:45 - 18:45	969	+	628	=	1597	32	126	Yes
06:30 - 07:30	424	+	862	=	1286	10	133	Yes
05:30 - 06:30	123	+	554	=	677	12	88	Yes
14:30 - 15:30	1150	+	678	=	1828	16	69	No
14:15 - 15:15	1060	+	636	=	1696	14	62	No
14:00 - 15:00	958	+	591	=	1549	15	61	No
13:45 - 14:45	822	+	532	=	1354	12	66	No
13:30 - 14:30	751	+	504	=	1255	16	67	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:15 - 17:15	1612	+	645	=	2257	36	99	Yes
15:15 - 16:15	1505	+	701	=	2206	30	99	Yes
17:15 - 18:15	1155	+	685	=	1840	36	127	Yes
14:15 - 15:15	1060	+	636	=	1696	14	62	Yes
07:15 - 08:15	550	+	1072	=	1622	13	116	Yes
18:15 - 19:15	818	+	527	=	1345	27	93	Yes
08:15 - 09:15	556	+	730	=	1286	19	80	Yes
13:15 - 14:15	652	+	484	=	1136	12	78	Yes
06:15 - 07:15	348	+	778	=	1126	12	118	Yes
12:15 - 13:15	581	+	493	=	1074	12	64	Yes
19:15 - 20:15	587	+	391	=	978	17	65	Yes
11:15 - 12:15	508	+	457	=	965	16	77	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2112

Study Date : 11/03/2021

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.

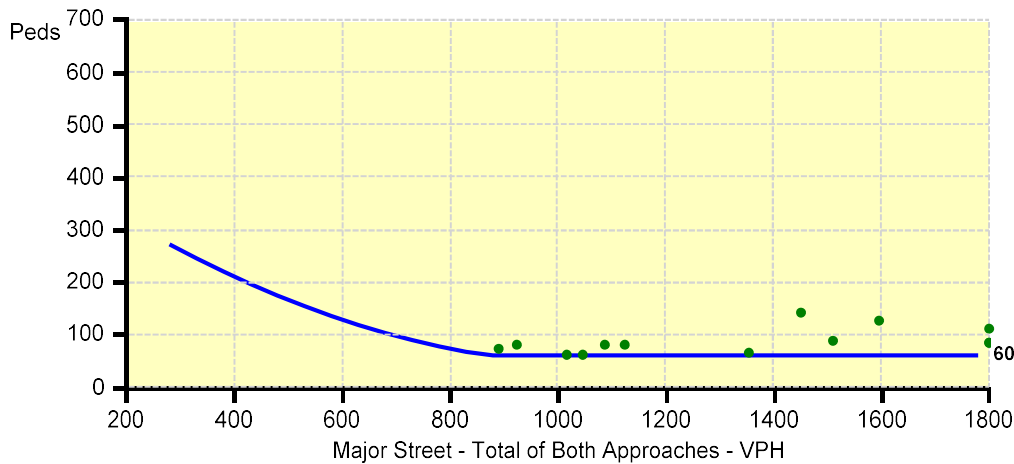
Summary

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 = **1**

Time	Major Road CSAH 51 (University Ave.)				Total	Minor Road 105th Ave.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	1616	+	659	=	2275	29	84	Yes
16:45 - 17:45	1440	+	690	=	2130	42	112	Yes
14:45 - 15:45	1287	+	691	=	1978	24	86	Yes
17:45 - 18:45	969	+	628	=	1597	32	126	Yes
07:45 - 08:45	595	+	915	=	1510	12	87	Yes
06:45 - 07:45	507	+	945	=	1452	12	142	Yes
13:45 - 14:45	822	+	532	=	1354	12	66	Yes
18:45 - 19:45	694	+	430	=	1124	24	79	Yes
12:45 - 13:45	597	+	490	=	1087	13	79	Yes
08:45 - 09:45	463	+	582	=	1045	19	63	Yes
11:45 - 12:45	540	+	476	=	1016	12	63	Yes
							81	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2112

Study Date : 11/03/2021

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

25 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 = **1**

Time	Major Road CSAH 51 (University Ave.)				Total	Minor Road 105th Ave.		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	1648	+	656	=	2304	34	92	Yes
15:30 - 16:30	1608	+	673	=	2281	30	97	Yes
15:45 - 16:45	1616	+	659	=	2275	29	84	Yes
16:15 - 17:15	1612	+	645	=	2257	36	99	Yes
15:15 - 16:15	1505	+	701	=	2206	30	99	Yes
16:30 - 17:30	1497	+	681	=	2178	39	106	Yes
16:45 - 17:45	1440	+	690	=	2130	42	112	Yes
15:00 - 16:00	1364	+	703	=	2067	27	95	Yes
17:00 - 18:00	1310	+	685	=	1995	38	124	Yes
14:45 - 15:45	1287	+	691	=	1978	24	86	Yes
17:15 - 18:15	1155	+	685	=	1840	36	127	Yes
							124	Yes

