

Date : 04/11/23

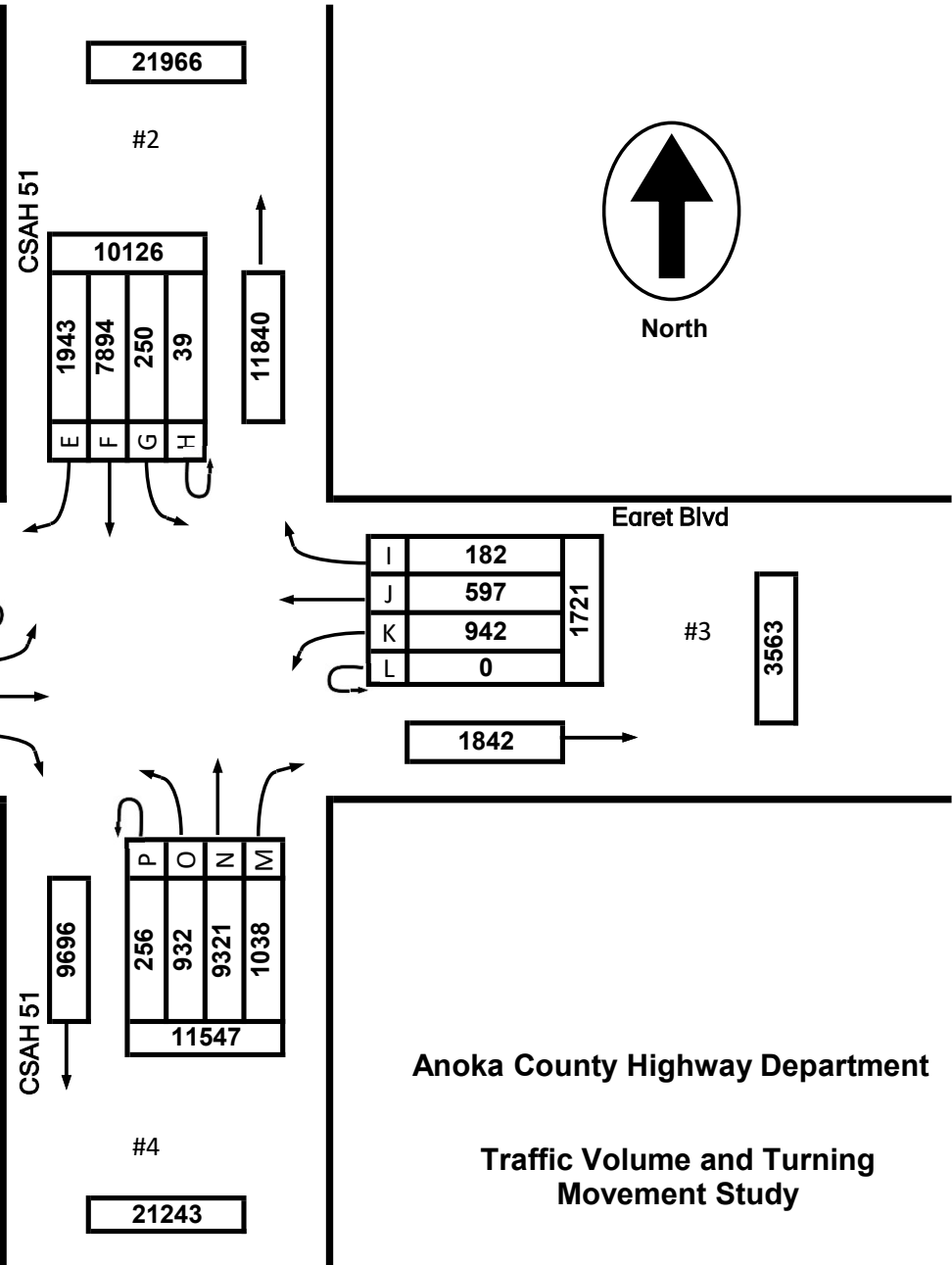
Count Number : TMC 2316

Location : CSAH 51
@ Egret Blvd

Collection Period : 24 HR



North



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

Anoka County Highway Department

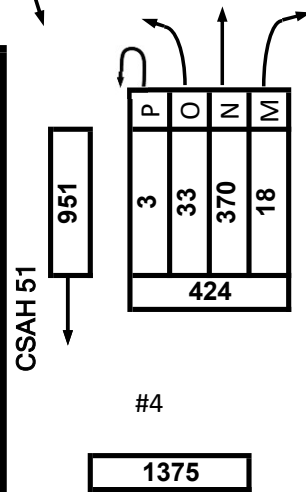
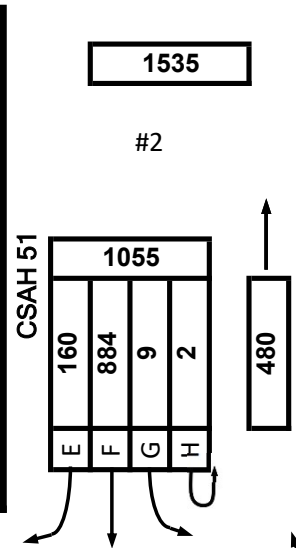
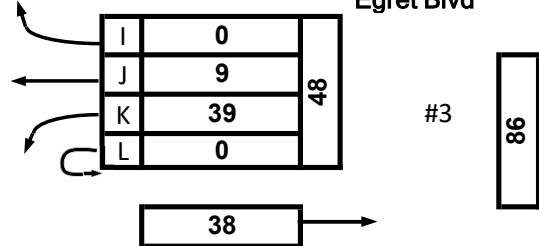
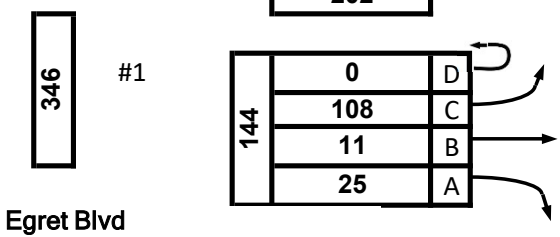
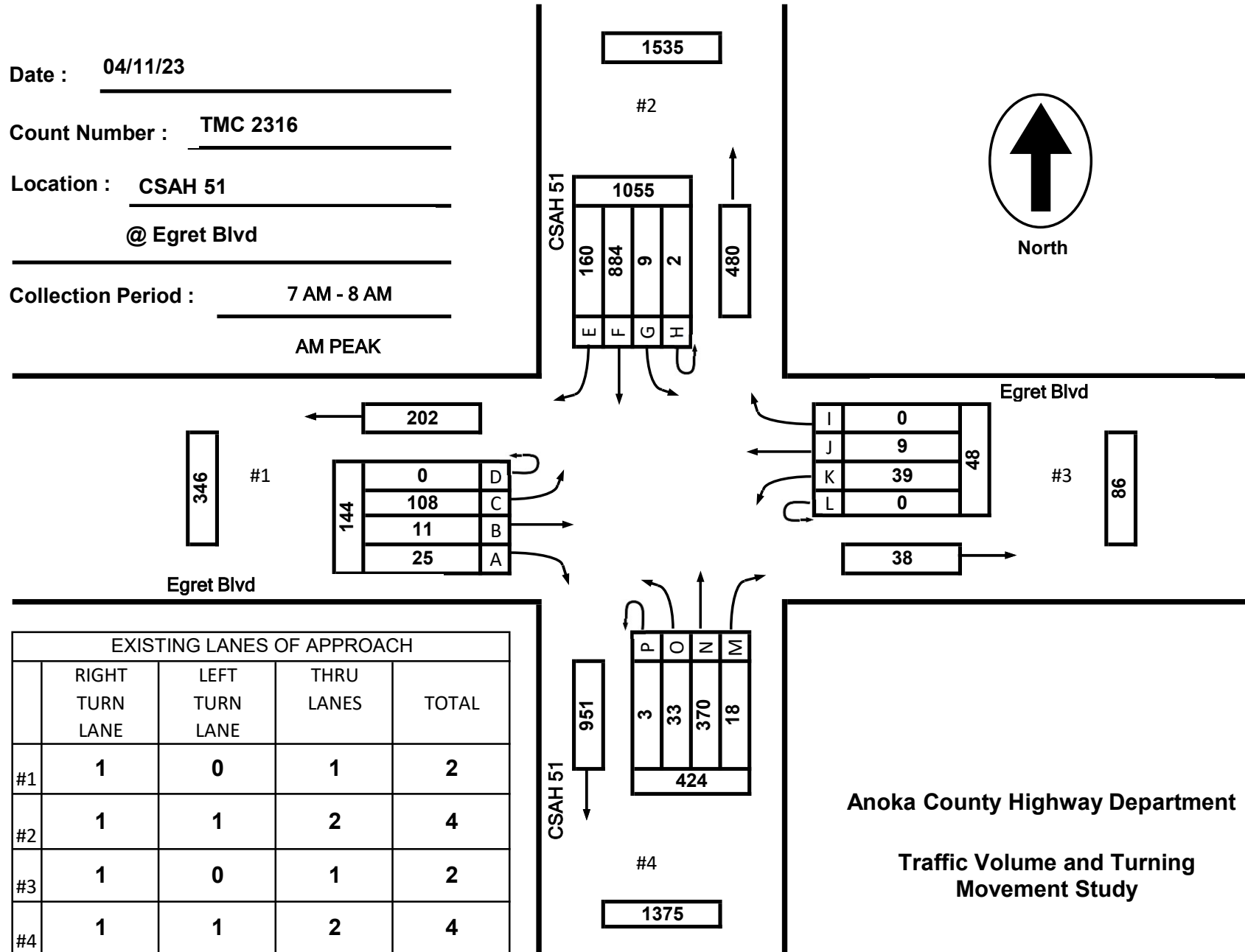
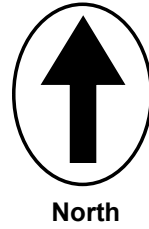
Traffic Volume and Turning Movement Study

Date : 04/11/23

Count Number : TMC 2316

Location : CSAH 51
@ Egret Blvd

Collection Period : 7 AM - 8 AM
AM PEAK



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

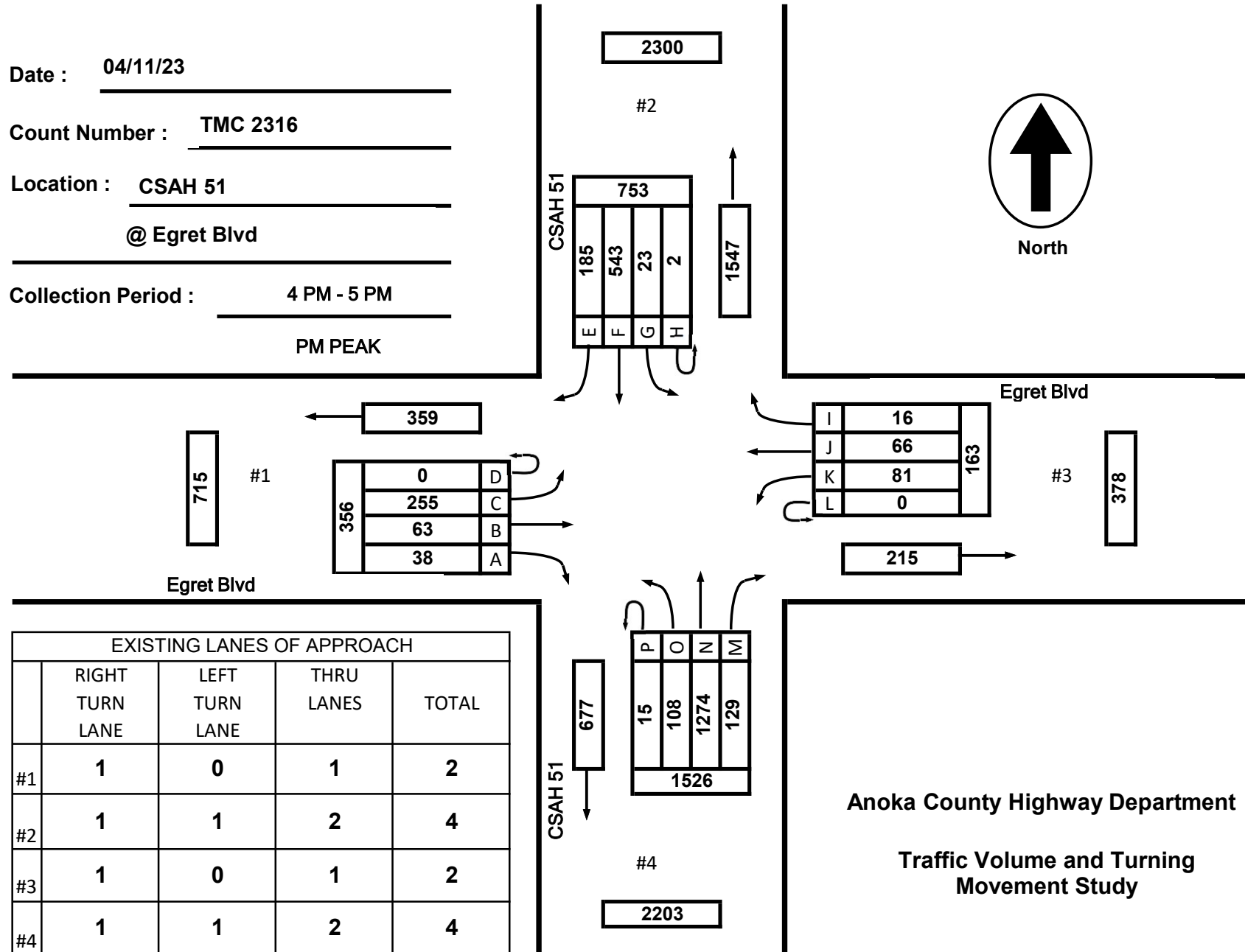
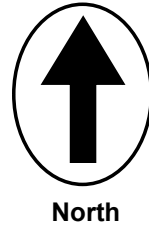
Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 04/11/23

Count Number : TMC 2316

Location : CSAH 51
@ Egret Blvd

Collection Period : 4 PM - 5 PM
PM PEAK



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

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

TMC 2316 - CSAH 51 @ Egret Blvd

0 0

Tuesday, April 11, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	1	7	2	0	10	0	0	0	0	0	0	0	3	21	1	0	25	0	3	0	1	0	4	0	3	6	0	0	9
12:15 AM	0	2	6	1	0	9	0	2	0	0	0	2	0	3	10	0	0	13	0	3	1	2	0	6	0	0	4	3	0	7
12:30 AM	0	0	4	3	0	7	0	0	2	0	0	2	0	0	13	3	0	16	0	2	1	2	0	5	0	0	5	2	0	7
12:45 AM	0	0	5	2	0	7	0	3	3	0	0	6	0	1	13	1	0	15	0	0	0	1	0	1	0	0	7	2	0	9
Hourly Total	0	3	22	8	0	33	0	5	5	0	0	10	0	7	57	5	0	69	0	8	2	6	0	16	0	3	33	8	0	44
1:00 AM	0	0	6	1	0	7	0	0	1	0	0	1	1	2	12	0	0	15	0	2	0	0	0	2	0	0	6	1	0	7
1:15 AM	1	0	3	3	0	7	0	2	0	0	0	2	0	2	13	0	0	15	0	2	0	0	0	2	0	0	9	4	0	13
1:30 AM	0	0	9	4	0	13	0	1	0	0	0	1	0	2	8	0	1	10	0	2	0	3	0	5	0	0	4	2	0	6
1:45 AM	0	0	4	2	0	6	0	0	0	0	0	0	0	1	11	1	1	13	0	0	0	2	0	2	0	0	7	2	0	9
Hourly Total	1	0	22	10	0	33	0	3	1	0	0	4	1	7	44	1	2	53	0	6	0	5	0	11	0	0	22	10	0	32
2:00 AM	0	0	4	1	0	5	0	2	0	0	0	2	0	0	10	1	1	11	0	2	0	4	0	6	0	0	4	1	0	5
2:15 AM	0	0	2	2	0	4	0	0	0	0	0	0	0	1	12	1	0	14	0	0	0	0	0	0	0	0	7	0	0	7
2:30 AM	0	0	7	0	0	7	0	0	1	0	0	1	0	0	16	0	0	16	0	2	2	1	0	5	0	0	3	0	0	3
2:45 AM	0	0	3	0	0	3	0	0	1	0	0	1	0	0	4	2	0	6	0	0	0	1	0	1	0	0	9	3	0	12
Hourly Total	0	0	16	3	0	19	0	2	2	0	0	4	0	1	42	4	1	47	0	4	2	6	0	12	0	0	16	3	0	19
3:00 AM	1	0	9	0	0	10	0	0	2	0	0	2	0	1	8	5	0	14	0	2	0	1	0	3	0	0	10	1	0	11
3:15 AM	0	0	10	1	0	11	0	0	0	0	0	0	0	0	4	0	0	4	0	2	0	0	0	2	0	0	19	0	0	19
3:30 AM	0	0	19	0	0	19	0	1	0	0	0	1	0	0	7	0	0	7	0	0	0	0	0	0	0	0	9	3	0	12
3:45 AM	0	0	9	3	0	12	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	1	0	3	0	0	4	0	0	4
Hourly Total	1	0	47	4	0	52	0	1	2	0	0	3	0	1	19	6	0	26	0	6	0	2	0	8	0	0	47	4	0	51
4:00 AM	0	0	25	2	0	27	0	0	0	0	0	0	0	1	7	3	0	11	0	8	0	0	0	8	0	0	36	1	0	37
4:15 AM	0	0	36	1	0	37	0	0	1	0	0	1	0	0	5	1	0	6	0	9	0	0	0	9	0	0	59	3	0	62
4:30 AM	0	0	59	3	0	62	0	3	0	0	0	3	0	3	3	2	0	8	0	7	0	1	0	8	0	0	57	5	0	62
4:45 AM	0	0	57	5	0	62	0	2	1	0	0	3	0	0	8	2	0	10	0	6	1	1	0	8	0	0	177	11	0	188
Hourly Total	0	0	177	11	0	188	0	5	2	0	0	7	0	4	23	8	0	35	0	30	1	2	0	33	0	0	57	5	0	62
5:00 AM	0	0	59	3	0	62	0	0	0	0	0	0	1	2	8	0	0	11	0	4	0	2	0	6	0	0	102	7	0	109
5:15 AM	0	0	102	7	0	109	0	5	0	0	0	5	0	2	9	1	0	12	0	4	0	2	0	6	0	0	105	11	0	116
5:30 AM	0	0	105	11	0	116	0	4	0	0	0	4	0	0	17	1	0	18	0	11	0	2	0	13	0	0	114	5	0	119
5:45 AM	0	0	114	5	0	119	0	4	2	0	0	6	0	3	13	1	0	17	0	14	2	2	1	18	0	0	380	26	0	406
Hourly Total	0	0	380	26	0	406	0	13	2	0	0	15	1	7	47	3	0	58	0	33	2	8	1	43	0	0	177	11	0	188
6:00 AM	1	1	143	12	0	157	0	4	1	0	0	5	0	5	26	2	0	33	0	10	0	4	0	14	0	0	182	14	0	197
6:15 AM	1	0	182	14	0	197	0	4	2	0	0	6	0	0	35	3	0	38	0	17	0	4	0	21	0	0	207	20	0	230
6:30 AM	2	1	207	20	0	230	0	10	0	1	0	11	0	2	60	2	0	64	0	25	1	8	0	34	0	0	178	30	1	212
6:45 AM	1	3	178	30	1	212	0	8	0	0	0	8	0	3	65	8	0	76	0	25	2	7	0	34	0	0	143	12	0	157
Hourly Total	5	5	710	76	1	796	0	26	3	1	0	30	0	10	186	15	0	211	0	77	3	23	0	103	0	0	182	14	0	197
7:00 AM	0	1	179	34	1	214	0	5	4	0	0	9	1	7	103	2	0	113	0	26	0	5	0	31	0	0	207	20	0	230
7:15 AM	0	1	237	38	1	276	0	6	2	0	1	8	2	9	76	4	0	91	0	22	3	6	0	31	0	0	178	30	1	212
7:30 AM	0	4	269	40	1	313	0	19	3	0	0	22	0	9	92	7	0	108	0	21	2	9	0	32	0	0	143	12	0	157
7:45 AM	2	3	199	48	0	252	0	9	0	0	0	9	0	8	99	5	0	112	0	39	6	5	0	50	0	0	207	20	0	230
Hourly Total	2	9	884	160	3	1055	0	39	9	0	1	48	3	33	370	18	0	424	0	108	11	25	0	144	0	0	178	30	1	212

TMC 2316 - CSAH 51 @ Egret Blvd

0 0

Tuesday, April 11, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	4	157	24	0	185	0	13	2	1	0	16	0	7	83	4	0	94	0	32	2	3	0	37	332
8:15 AM	1	2	147	23	0	173	0	11	4	1	0	16	0	9	71	8	0	88	0	26	4	8	0	38	315
8:30 AM	1	4	166	25	0	196	0	7	3	0	0	10	0	10	78	8	1	96	0	26	7	11	0	44	346
8:45 AM	1	2	131	24	0	158	0	10	2	0	0	12	1	12	90	6	2	109	0	26	7	9	0	42	321
Hourly Total	3	12	601	96	0	712	0	41	11	2	0	54	1	38	322	26	3	387	0	110	20	31	0	161	1314
9:00 AM	0	3	125	30	0	158	0	3	4	2	0	9	2	7	96	10	0	115	0	26	5	10	0	41	323
9:15 AM	1	4	144	34	0	183	0	9	5	2	0	16	5	7	103	12	0	127	0	19	5	5	0	29	355
9:30 AM	2	1	130	30	1	163	0	12	7	0	0	19	4	9	91	10	0	114	0	21	2	7	0	30	326
9:45 AM	0	3	76	28	0	107	0	6	9	1	1	16	3	11	68	8	2	90	0	31	2	10	0	43	256
Hourly Total	3	11	475	122	1	611	0	30	25	5	1	60	14	34	358	40	2	446	0	97	14	32	0	143	1260
10:00 AM	0	1	92	17	0	110	0	9	3	0	0	12	2	10	82	14	1	108	0	26	8	10	0	44	274
10:15 AM	1	4	89	26	0	120	0	17	11	1	0	29	4	10	69	10	0	93	0	17	8	12	0	37	279
10:30 AM	0	2	99	28	0	129	0	10	7	3	1	20	2	13	70	9	4	94	0	25	4	7	0	36	279
10:45 AM	0	7	71	27	0	105	0	7	9	0	0	16	5	10	74	13	3	102	0	37	9	8	0	54	277
Hourly Total	1	14	351	98	0	464	0	43	30	4	1	77	13	43	295	46	8	397	0	105	29	37	0	171	1109
11:00 AM	0	2	69	24	0	95	0	14	2	2	0	18	4	14	82	14	1	114	0	35	7	9	0	51	278
11:15 AM	0	2	90	24	0	116	0	9	9	2	0	20	1	14	83	13	1	111	0	30	10	7	1	47	294
11:30 AM	2	3	93	32	0	130	0	16	9	2	0	27	1	10	95	13	0	119	0	35	10	6	1	51	327
11:45 AM	1	1	83	27	0	112	0	14	5	5	0	24	5	10	102	14	3	131	0	23	15	13	0	51	318
Hourly Total	3	8	335	107	0	453	0	53	25	11	0	89	11	48	362	54	5	475	0	123	42	35	2	200	1217
12:00 PM	0	6	71	23	0	100	0	20	11	4	0	35	1	12	112	15	5	140	0	27	10	8	0	45	320
12:15 PM	0	4	99	14	0	117	0	18	16	2	0	36	5	16	126	24	1	171	0	22	8	9	0	39	363
12:30 PM	0	7	87	32	0	126	0	18	12	2	0	32	5	15	120	16	1	156	0	30	9	10	0	49	363
12:45 PM	0	2	94	20	0	116	0	18	7	7	0	32	5	12	109	13	1	139	0	40	10	10	0	60	347
Hourly Total	0	19	351	89	0	459	0	74	46	15	0	135	16	55	467	68	8	606	0	119	37	37	0	193	1393
1:00 PM	1	2	81	28	0	112	0	21	5	1	0	27	7	15	133	17	0	172	0	19	7	13	0	39	350
1:15 PM	2	3	111	26	2	142	0	11	3	2	0	16	7	17	146	13	0	183	0	23	5	10	0	38	379
1:30 PM	0	1	98	20	0	119	0	18	11	9	0	38	9	17	131	17	0	174	0	34	9	7	0	50	381
1:45 PM	0	6	102	39	0	147	0	18	11	2	1	31	2	13	130	24	1	169	0	29	9	11	0	49	396
Hourly Total	3	12	392	113	2	520	0	68	30	14	1	112	25	62	540	71	1	698	0	105	30	41	0	176	1506
2:00 PM	0	3	103	28	0	134	0	19	10	2	0	31	7	12	134	24	0	177	0	41	11	10	0	62	404
2:15 PM	2	5	100	27	0	134	0	14	15	2	0	31	9	14	158	15	0	196	0	30	15	9	0	54	415
2:30 PM	1	3	137	34	0	175	0	10	9	5	0	24	1	15	191	21	0	228	0	40	9	14	0	63	490
2:45 PM	1	7	101	27	0	136	0	14	10	5	1	29	5	9	221	28	1	263	0	48	7	11	1	66	494
Hourly Total	4	18	441	116	0	579	0	57	44	14	1	115	22	50	704	88	1	864	0	159	42	44	1	245	1803
3:00 PM	0	5	112	33	0	150	0	15	11	4	0	30	5	14	196	20	1	235	0	56	15	13	0	84	499
3:15 PM	0	5	136	45	1	186	0	18	12	3	0	33	6	22	271	36	0	335	0	62	13	12	1	87	641
3:30 PM	0	5	157	33	2	195	0	17	10	8	1	35	7	20	274	29	1	330	0	58	14	19	0	91	651
3:45 PM	1	6	111	32	1	150	0	19	14	5	0	38	8	28	320	26	1	382	0	62	14	15	0	91	661
Hourly Total	1	21	516	143	4	681	0	69	47	20	1	136	26	84	1061	111	3	1282	0	238	56	59	1	353	2452

TMC 2316 - CSAH 51 @ Egret Blvd

0 0

Tuesday, April 11, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						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	5	145	44	0	195	0	20	14	2	1	36	7	32	306	35	1	380	0	59	13	6	1	78	689
4:15 PM	1	3	140	54	0	198	0	23	15	3	0	41	2	26	316	25	0	369	0	73	19	6	0	98	706
4:30 PM	0	6	144	45	1	195	0	20	22	6	0	48	4	24	327	36	0	391	0	64	13	14	1	91	725
4:45 PM	0	9	114	42	0	165	0	18	15	5	0	38	2	26	325	33	0	386	0	59	18	12	0	89	678
Hourly Total	2	23	543	185	1	753	0	81	66	16	1	163	15	108	1274	129	1	1526	0	255	63	38	2	356	2798
5:00 PM	5	3	117	38	1	163	0	17	16	8	0	41	7	22	308	31	3	368	0	65	16	8	0	89	661
5:15 PM	1	8	105	54	0	168	0	25	15	4	0	44	4	24	292	22	1	342	0	49	21	14	1	84	638
5:30 PM	0	7	117	27	1	151	0	23	17	9	2	49	4	27	278	28	0	337	0	61	12	12	0	85	622
5:45 PM	0	5	95	35	0	135	0	22	17	6	0	45	3	22	225	19	0	269	0	44	15	7	1	66	515
Hourly Total	6	23	434	154	2	617	0	87	65	27	2	179	18	95	1103	100	4	1316	0	219	64	41	2	324	2436
6:00 PM	1	4	97	44	0	146	0	17	17	1	0	35	6	16	158	28	1	208	0	58	13	9	0	80	469
6:15 PM	0	10	122	30	0	162	0	20	17	5	3	42	8	16	182	33	1	239	0	32	12	6	0	50	493
6:30 PM	0	3	85	33	0	121	0	17	17	6	3	40	5	19	144	13	1	181	0	32	11	9	0	52	394
6:45 PM	1	5	75	21	0	102	0	24	10	6	3	40	7	20	122	19	3	168	0	28	13	13	0	54	364
Hourly Total	2	22	379	128	0	531	0	78	61	18	9	157	26	71	606	93	6	796	0	150	49	37	0	236	1720
7:00 PM	0	4	76	22	0	102	0	18	14	5	0	37	3	12	121	23	0	159	0	27	6	6	0	39	337
7:15 PM	0	8	72	17	0	97	0	19	10	5	0	34	5	18	108	12	0	143	0	29	3	4	0	36	310
7:30 PM	1	3	57	18	1	79	0	11	12	5	0	28	4	14	122	22	1	162	0	25	7	5	1	37	306
7:45 PM	0	3	49	28	0	80	0	15	7	2	0	24	6	14	102	8	3	130	0	29	8	6	0	43	277
Hourly Total	1	18	254	85	1	358	0	63	43	17	0	123	18	58	453	65	4	594	0	110	24	21	1	155	1230
8:00 PM	0	6	71	18	0	95	0	17	5	1	0	23	3	13	107	8	0	131	0	31	5	8	0	44	293
8:15 PM	0	6	59	17	0	82	0	9	10	1	0	20	6	11	101	10	0	128	0	25	11	15	0	51	281
8:30 PM	0	3	53	20	0	76	0	13	15	3	0	31	5	8	91	10	0	114	0	19	6	3	0	28	249
8:45 PM	0	5	64	15	0	84	0	12	6	2	0	20	6	15	79	9	4	109	0	20	6	7	0	33	246
Hourly Total	0	20	247	70	0	337	0	51	36	7	0	94	20	47	378	37	4	482	0	95	28	33	0	156	1069
9:00 PM	0	1	67	15	1	83	0	10	7	7	0	24	5	14	86	5	0	110	0	20	4	5	0	29	246
9:15 PM	0	3	39	16	0	58	0	5	5	0	0	10	3	7	74	6	0	90	0	17	4	2	0	23	181
9:30 PM	0	2	41	17	0	60	0	7	3	2	0	12	4	9	61	4	0	78	0	14	4	4	0	22	172
9:45 PM	0	0	25	15	0	40	0	10	4	0	0	14	4	5	63	3	0	75	0	22	4	9	0	35	164
Hourly Total	0	6	172	63	1	241	0	32	19	9	0	60	16	35	284	18	0	353	0	73	16	20	0	109	763
10:00 PM	0	0	33	15	0	48	0	4	5	0	0	9	6	6	63	8	0	83	0	21	4	2	0	27	167
10:15 PM	0	1	21	14	0	36	0	3	3	0	0	6	1	4	55	7	0	67	0	12	5	4	0	21	130
10:30 PM	0	1	23	12	0	36	0	3	3	1	0	7	2	3	60	2	0	67	0	3	1	4	0	8	118
10:45 PM	1	1	18	16	0	36	0	2	1	0	0	3	0	6	32	5	0	43	0	9	1	3	0	13	95
Hourly Total	1	3	95	57	0	156	0	12	12	1	0	25	9	19	210	22	0	260	0	45	11	13	0	69	510
11:00 PM	0	1	15	7	0	23	0	3	2	1	0	6	1	6	40	5	0	52	0	9	1	2	0	12	93
11:15 PM	0	1	17	5	0	23	0	2	3	0	0	5	0	3	31	1	0	35	0	8	1	3	0	12	75
11:30 PM	0	0	10	4	0	14	0	1	4	0	0	5	0	3	27	3	0	33	0	4	3	1	0	8	60
11:45 PM	0	1	8	3	0	12	0	3	2	0	0	5	0	3	18	1	0	22	0	2	3	2	0	7	46
Hourly Total	0	3	50	19	0	72	0	9	11	1	0	21	1	15	116	10	0	142	0	23	8	8	0	39	274
DAILY TOTAL	39	250	7894	1943	16	10126	0	942	597	182	18	1721	256	932	9321	1038	53	11547	0	2298	554	604	10	3456	26850
Cars	39	246	7801	1923	14	10009	0	935	593	181	11	1709	256	916	9171	1027	40	11370	0	2272	552	591	3	3415	26503
Heavy Vehicles	0	4	93	20	2	117	0	7	4	1	7	12	0	16	150	11	13	177	0	26	2	13	7	41	347
Heavy Vehicle %	0.00%	1.60%	1.18%	1.03%	12.50%	1.16%	0.00%	0.74%	0.67%	0.55%	38.89%	0.70%	0.00%	1.72%	1.61%	1.06%	24.53%	1.53%	0.00%	1.13%	0.36%	2.15%	70.00%	1.19%	1.29%

TMC 2316 - CSAH 51 @ Egret Blvd

0 0

Tuesday, April 11, 2023

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																																																																																																																									
7:00 AM	0	1	179	34	1	214	0	5	4	0	0	9	1	7	103	2	0	113	0	26	0	5	0	31	0	1	237	38	1	276	0	6	2	0	1	8	2	9	76	4	0	91	0	22	3	6	0	31	0	4	269	40	1	313	0	19	3	0	0	22	0	9	92	7	0	108	0	21	2	9	0	32	2	3	199	48	0	252	0	9	0	0	0	9	0	8	99	5	0	112	0	39	6	5	0	50	2	9	884	160	3	1055	0	39	9	0	1	48	3	33	370	18	0	424	0	108	11	25	0	144	0.250	0.563	0.822	0.833	0.750	0.843	0.000	0.513	0.563	0.000	0.250	0.545	0.375	0.917	0.898	0.643	0.000	0.938	0.000	0.692	0.458	0.694	0.000	0.720	1671
Peak Hour Total PHF	2	9	884	160	3	1055	0	39	9	0	1	48	3	33	370	18	0	424	0	108	11	25	0	144	0.250	0.563	0.822	0.833	0.750	0.843	0.000	0.513	0.563	0.000	0.250	0.545	0.375	0.917	0.898	0.643	0.000	0.938	0.000	0.692	0.458	0.694	0.000	0.720	1671																																																																																																

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	1	5	145	44	0	195	0	20	14	2	1	36	7	32	306	35	1	380	0	59	13	6	1	78	1	3	140	54	0	198	0	23	15	3	0	41	2	26	316	25	0	369	0	73	19	6	0	98	0	6	144	45	1	195	0	20	22	6	0	48	4	24	327	36	0	391	0	64	13	14	1	91	0	9	114	42	0	165	0	18	15	5	0	38	2	26	325	33	0	386	0	59	18	12	0	89	2	23	543	185	1	753	0	81	66	16	1	163	15	108	1274	129	1	1526	0.500	0.639	0.936	0.856	0.250	0.951	0.000	0.880	0.750	0.667	0.250	0.849	0.536	0.844	0.974	0.896	0.250	0.976	0.000	0.873	0.829	0.679	0.500	0.908	2798
Peak Hour Total PHF	2	23	543	185	1	753	0	81	66	16	1	163	15	108	1274	129	1	1526	0	255	63	38	2	356	0.500	0.639	0.936	0.856	0.250	0.951	0.000	0.880	0.750	0.667	0.250	0.849	0.536	0.844	0.974	0.896	0.250	0.976	0.000	0.873	0.829	0.679	0.500	0.908	2798																																																																																										

Total Vehicles On Leg				21966			
Vehicles Entering Intersection		10126		Vehicles Exiting Intersection		11840	
Southbound							
Cars	1923	7801	246	39	14		
Heavy	20	93	4	0	2		
Total	1943	7894	250	39	16		



Total Vehicles on Leg 6928	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total	
	3456		3	7	10	
			0	0	0	
	Vehicles Exiting Intersection		2272	26	2298	
	3472		552	2	554	
	591	13	604			

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 3563
181	1	182		1721	
593	4	597			
935	7	942		Vehicles Exiting Intersection	
0	0	0		1842	
11	7	18			



Cars	40	256	916	9171	1027
Heavy	13	0	16	150	11
Total	53	256	932	9321	1038
Northbound					
Vehicles Entering Intersection			11547		
Vehicles Exiting Intersection			9696		
Total Vehicles On Leg			21243		

Heavy Vehicles

Date	Time	Southbound						Westbound						Northbound						Eastbound						
		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	
04/11/2023	0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	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	0
	0:45	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:45	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
	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0
	3:45	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
	4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	4:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5:15	0	0	0	1	0	0	0	1	0	0	0	0	0	1	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	2	0	0	0	0	0	1	0	0	0	0	0
	5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
	6:15	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
	6:30	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	6:45	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	7:00	0	0	1	1	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1	0	0	0	0	0
	7:15	0	1	5	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0
	7:30	0	0	3	1	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0
	7:45	0	0	2	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	2	0	0	0	0	0
	8:00	0	1	1	1	0	0	0	1	0	0	0	0	0	5	1	0	0	0	0	2	0	0	0	0	0
	8:15	0	1	3	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	8:30	0	0	2	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	8:45	0	0	3	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	1	0	0	0
	9:00	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	1	0	0	0
	9:15	0	0	5	0	0	0	0	1	0	0	0	0	0	1	13	0	0	0	0	0	1	0	0	0	0
	9:30	0	0	2	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0
	9:45	0	0	2	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0
	10:00	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	10:15	0	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	10:30	0	0	0	0	0	0	0	0	0	1	0	0	0	6	0	1	0	0	0	0	0	0	0	0	0
	10:45	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
	11:00	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	2	1	0	0	0	0
	11:15	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	1	0	0	0	0	1	0	0
	11:30	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0
	11:45	0	0	3	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0

Time	Southbound						Westbound						Northbound						Eastbound					
	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
12:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
12:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
12:45	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	1	0	0	0
13:00	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
13:30	0	0	2	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0
13:45	0	0	2	0	0	0	0	1	0	0	0	0	0	6	0	0	1	0	0	0	1	0	0	0
14:00	0	0	4	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0
14:15	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
14:30	0	0	5	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
14:45	0	0	3	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0
15:00	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
15:15	0	0	3	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0
15:30	0	0	1	1	0	1	0	0	0	0	0	0	2	4	0	1	0	0	0	0	0	0	0	0
15:45	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
16:00	0	0	3	1	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	1
16:15	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
16:30	0	0	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	1	0	0
16:45	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0
17:15	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
17:30	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
17:45	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
18:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	1	0	0	0
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
19:30	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
20:45	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
21:45	0	0	0	0	0	0	0	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	1	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2316

Study Date : 05/02/2023

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 51

Number of Lanes : 2+

Total Approach Volume: 11,547

Southbound: CSAH 51

Number of Lanes :2+

Total Approach Volume: 10,126

Minor Street Approaches

Eastbound: Egret Blvd

Number of Lanes :1

Total Approach Volume: 3,456

Westbound: Egret Blvd

Number of Lanes :1

Total Approach Volume: 1,721

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 16 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 17 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.....Satisfied

Number of one hour periods (60) 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 2316

Study Date : 05/02/2023

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 = **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					Egret Blvd		
16:15 - 17:15	1514	+	721	=	2235	367	168	Yes
15:15 - 16:15	1427	+	726	=	2153	347	142	Yes
17:15 - 18:15	1156	+	600	=	1756	315	173	Yes
14:15 - 15:15	922	+	595	=	1517	267	114	Yes
07:15 - 08:15	405	+	1026	=	1431	150	55	Yes
13:15 - 14:15	703	+	542	=	1245	199	116	Yes
18:15 - 19:15	747	+	487	=	1234	195	159	Yes
06:15 - 07:15	291	+	853	=	1144	120	34	Yes
12:15 - 13:15	638	+	471	=	1109	187	127	Yes
08:15 - 09:15	408	+	685	=	1093	165	47	Yes
09:15 - 10:15	439	+	563	=	1002	146	63	Yes
11:15 - 12:15	501	+	458	=	959	194	106	Yes
19:15 - 20:15	566	+	351	=	917	160	109	Yes
10:15 - 11:15	403	+	449	=	852	178	83	Yes
20:15 - 21:15	461	+	325	=	786	141	95	Yes
21:15 - 22:15	326	+	206	=	532	107	45	Yes
06:00 - 07:00	211	+	796	=	1007	103	30	No
05:45 - 06:45	152	+	703	=	855	87	28	No
05:30 - 06:30	106	+	589	=	695	66	21	No
05:15 - 06:15	80	+	501	=	581	51	20	No
05:00 - 06:00	58	+	406	=	464	43	15	No
04:45 - 05:45	51	+	349	=	400	33	12	No
22:15 - 23:15	229	+	131	=	360	54	22	No
04:30 - 05:30	41	+	295	=	336	28	11	No
22:30 - 23:30	197		118		315	45	21	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2316

Study Date : 05/02/2023

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

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 = **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					Egret Blvd		
15:30 - 16:30	1461	+	738	=	2199	358	150	Yes
16:30 - 17:30	1487	+	691	=	2178	353	171	Yes
14:30 - 15:30	1061	+	647	=	1708	300	116	Yes
17:30 - 18:30	1053	+	594	=	1647	281	171	Yes
07:30 - 08:30	402	+	923	=	1325	157	63	Yes
06:30 - 07:30	344	+	932	=	1276	130	36	Yes
13:30 - 14:30	716	+	534	=	1250	215	131	Yes
12:30 - 13:30	650	+	496	=	1146	186	107	Yes
08:30 - 09:30	447	+	695	=	1142	156	47	Yes
18:30 - 19:30	651	+	422	=	1073	181	151	Yes
11:30 - 12:30	561	+	459	=	1020	186	122	Yes
09:30 - 10:30	405	+	500	=	905	154	76	Yes
19:30 - 20:30	551	+	336	=	887	175	95	Yes
10:30 - 11:30	421	+	445	=	866	188	74	Yes
20:30 - 21:30	423	+	301	=	724	113	85	Yes
05:30 - 06:30	106	+	589	=	695	66	21	Yes
05:15 - 06:15	80	+	501	=	581	51	20	No
21:30 - 22:30	303	+	184	=	487	105	41	No
05:00 - 06:00	58	+	406	=	464	43	15	No
21:45 - 22:45	292	+	160	=	452	91	36	No
22:00 - 23:00	260	+	156	=	416	69	25	No
04:45 - 05:45	51	+	349	=	400	33	12	No
22:15 - 23:15	229	+	131	=	360	54	22	No
04:30 - 05:30	41	+	295	=	336	28	11	No
22:30 - 23:30	197		118		315	45	21	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2316

Study Date : 05/02/2023

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.
17 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 = **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

Minor Road Egret Blvd

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
15:45 - 16:45	1522	+	738	=	2260	358	163	Yes
16:45 - 17:45	1433	+	647	=	2080	347	172	Yes
14:45 - 15:45	1163	+	667	=	1830	328	127	Yes
17:45 - 18:45	897	+	564	=	1461	248	162	Yes
06:45 - 07:45	388	+	1015	=	1403	128	47	Yes
13:45 - 14:45	770	+	590	=	1360	228	117	Yes
07:45 - 08:45	390	+	806	=	1196	169	51	Yes
12:45 - 13:45	668	+	489	=	1157	187	113	Yes
08:45 - 09:45	465	+	662	=	1127	142	56	Yes
11:45 - 12:45	598	+	455	=	1053	184	127	Yes
18:45 - 19:45	632	+	380	=	1012	166	139	Yes
10:45 - 11:45	446		446		892	203	81	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:15 - 17:15	1514	+	721	=	2235	367	168	Yes
15:15 - 16:15	1427	+	726	=	2153	347	142	Yes
17:15 - 18:15	1156	+	600	=	1756	315	173	Yes
14:15 - 15:15	922	+	595	=	1517	267	114	Yes
07:15 - 08:15	405	+	1026	=	1431	150	55	Yes
13:15 - 14:15	703	+	542	=	1245	199	116	Yes
18:15 - 19:15	747	+	487	=	1234	195	159	Yes
06:15 - 07:15	291	+	853	=	1144	120	34	Yes
12:15 - 13:15	638	+	471	=	1109	187	127	Yes
08:15 - 09:15	408	+	685	=	1093	165	47	Yes
09:15 - 10:15	439	+	563	=	1002	146	63	Yes
11:15 - 12:15	501		458		959	194	106	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2316

Study Date : 05/02/2023

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.

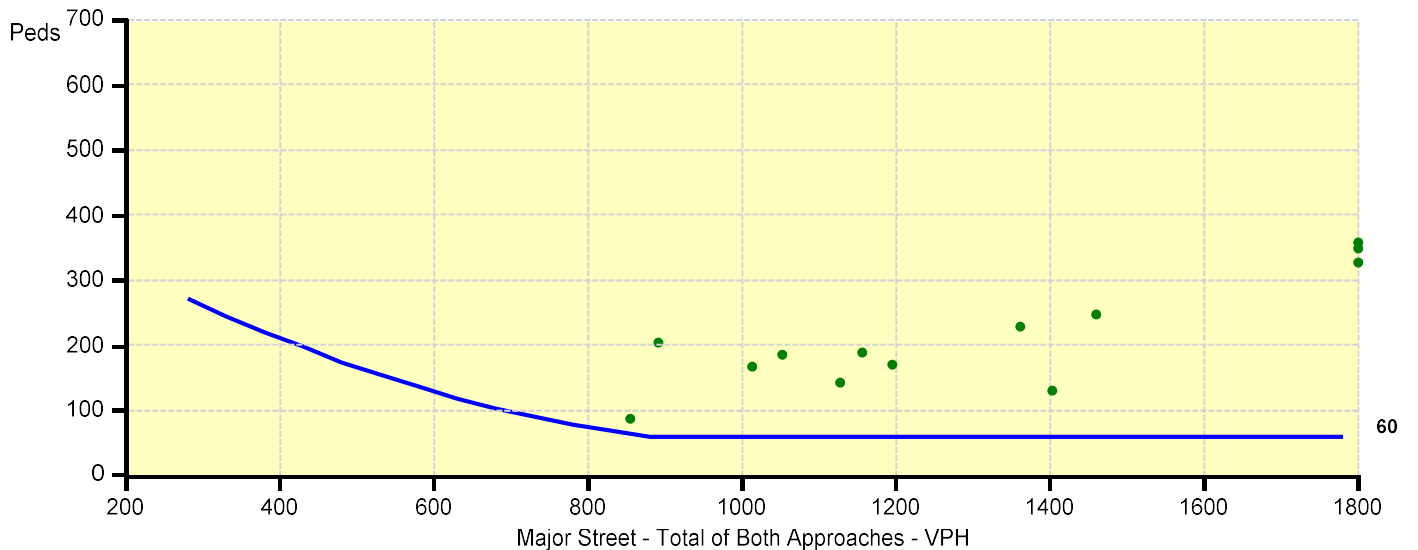
Summary

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 = **1**

Time	Major Road CSAH 51					Minor Road Egret Blvd		Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
15:45 - 16:45	1522	+	738	=	2260	358	163	Yes
16:45 - 17:45	1433	+	647	=	2080	347	172	Yes
14:45 - 15:45	1163	+	667	=	1830	328	127	Yes
17:45 - 18:45	897	+	564	=	1461	248	162	Yes
06:45 - 07:45	388	+	1015	=	1403	128	47	Yes
13:45 - 14:45	770	+	590	=	1360	228	117	Yes
07:45 - 08:45	390	+	806	=	1196	169	51	Yes
12:45 - 13:45	668	+	489	=	1157	187	113	Yes
08:45 - 09:45	465	+	662	=	1127	142	56	Yes
11:45 - 12:45	598	+	455	=	1053	184	127	Yes
18:45 - 19:45	632	+	380	=	1012	166	139	Yes
10:45 - 11:45	446		446		892	203	81	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2316

Study Date : 05/02/2023

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

55 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				Total	Minor Road Egret Blvd		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	1526	+	753	=	2279	356	163	Yes
15:45 - 16:45	1522	+	738	=	2260	358	163	Yes
16:15 - 17:15	1514	+	721	=	2235	367	168	Yes
15:30 - 16:30	1461	+	738	=	2199	358	150	Yes
16:30 - 17:30	1487	+	691	=	2178	353	171	Yes
15:15 - 16:15	1427	+	726	=	2153	347	142	Yes
16:45 - 17:45	1433	+	647	=	2080	347	172	Yes
15:00 - 16:00	1282	+	681	=	1963	353	136	Yes
17:00 - 18:00	1316	+	617	=	1933	324	179	Yes
14:45 - 15:45	1163	+	667	=	1830	328	127	Yes
17:15 - 18:15	1156	+	600	=	1756	315	173	Yes
14:30 - 15:30	1061		647		1708	300	116	Yes

