

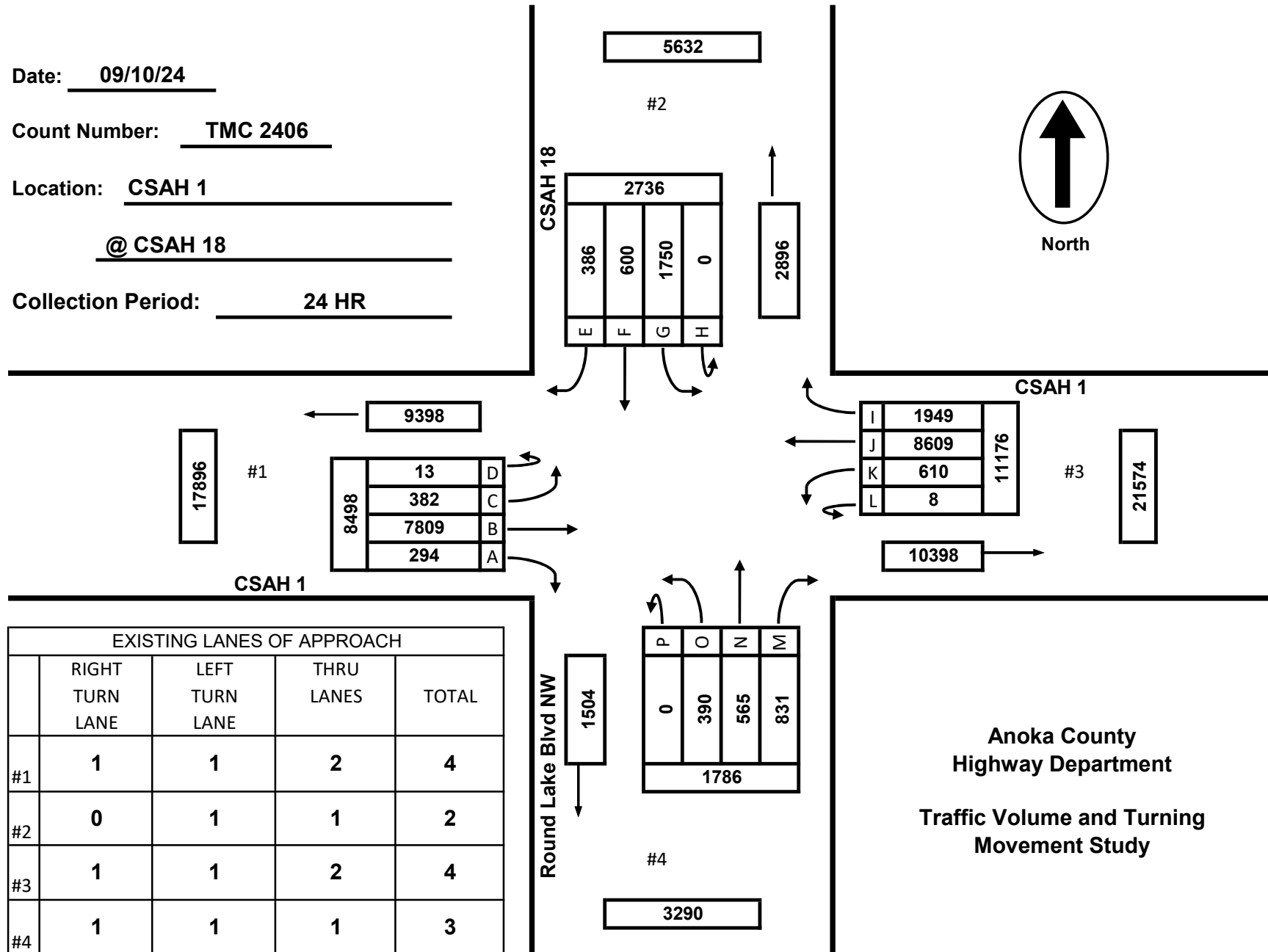
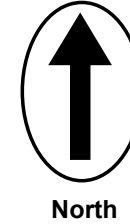
Date: 09/10/24

Count Number: TMC 2406

Location: CSAH 1

@ CSAH 18

Collection Period: 24 HR



Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/10/24

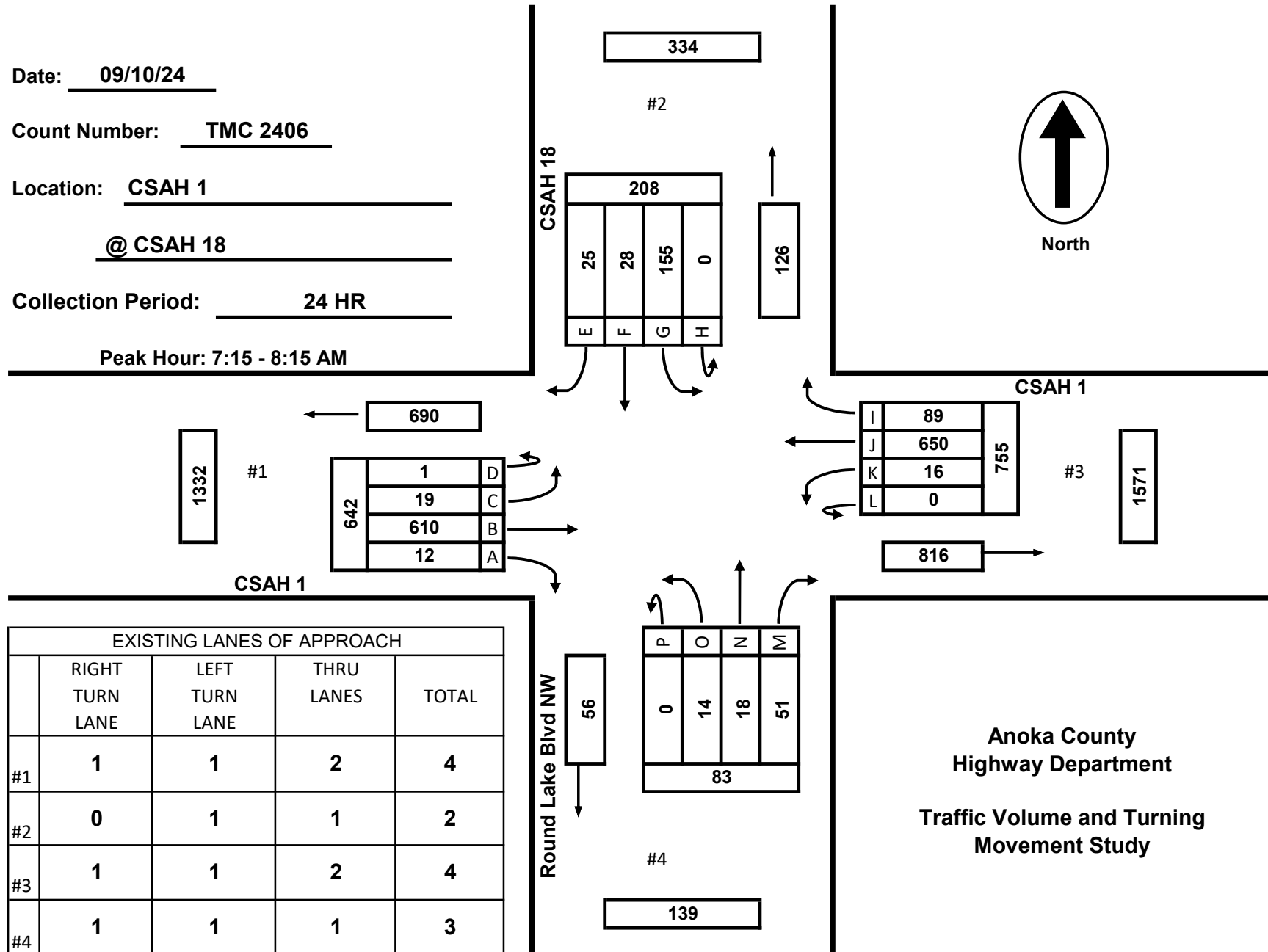
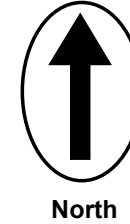
Count Number: TMC 2406

Location: CSAH 1

@ CSAH 18

Collection Period: 24 HR

Peak Hour: 7:15 - 8:15 AM



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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/10/24

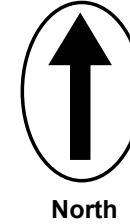
Count Number: TMC 2406

Location: CSAH 1

@ CSAH 18

Collection Period: 24 HR

Peak Hour: 3:30 - 4:30 PM



North

544

#2

CSAH 18

208			
21	43	144	0
E	F	G	H

336

CSAH 1

I	249	1187
J	888	
K	48	
L	2	

#3

2137

950

1763

#1

CSAH 1

805	0	D
	31	C
	752	B
	22	A

Round Lake Blvd NW

113

P	O	N	M
0	49	56	52
157			

#4

270

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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

**TMC 2406 - CSAH 1 @ CSAH 18
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Crooked Lake Blvd NW						Westbound CSAH 1						Northbound CSAH 18						Eastbound CSAH 1						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	3	0	0	0	3	0	2	10	3	0	15	0	0	0	0	0	0	0	1	7	0	0	8	26
12:15 AM	0	1	0	1	0	2	0	0	4	1	0	5	0	0	1	2	1	3	0	2	5	0	1	7	17
12:30 AM	0	0	0	0	0	0	0	1	8	2	0	11	0	0	0	0	0	0	0	0	3	0	0	3	14
12:45 AM	0	0	0	0	0	0	0	1	2	1	0	4	0	0	0	0	0	0	0	0	10	0	0	10	14
Hourly Total	0	4	0	1	0	5	0	4	24	7	0	35	0	0	1	2	1	3	0	3	25	0	1	28	71
1:00 AM	0	1	0	0	0	1	0	0	3	1	0	4	0	0	0	1	0	1	0	0	10	1	0	11	17
1:15 AM	0	0	1	0	0	1	0	1	8	3	0	12	0	0	0	0	0	0	0	0	4	0	0	4	17
1:30 AM	0	1	0	0	0	1	0	0	1	2	0	3	0	0	0	0	0	0	0	0	12	0	0	12	16
1:45 AM	0	0	0	0	0	0	0	2	5	1	0	8	0	0	0	0	0	0	0	0	3	0	0	3	11
Hourly Total	0	2	1	0	0	3	0	3	17	7	0	27	0	0	0	1	0	1	0	0	29	1	0	30	61
2:00 AM	0	0	0	0	0	0	0	1	9	2	0	12	0	0	0	0	0	0	0	0	7	0	0	7	19
2:15 AM	0	0	0	0	0	0	0	2	3	0	0	5	0	0	0	2	0	2	0	0	2	0	0	2	9
2:30 AM	0	2	0	0	0	2	0	0	3	1	0	4	0	0	0	1	0	1	0	0	2	0	0	2	9
2:45 AM	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	6	0	0	6	9
Hourly Total	0	2	0	0	0	2	0	4	17	3	0	24	0	0	0	3	0	3	0	0	17	0	0	17	46
3:00 AM	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	0	1	5	0	0	6	11
3:15 AM	0	1	0	0	0	1	0	0	5	0	0	5	0	0	1	0	0	1	0	0	7	0	0	7	14
3:30 AM	0	3	0	0	0	3	0	0	4	0	0	4	0	0	0	0	0	0	0	0	7	0	0	7	14
3:45 AM	0	4	0	0	0	4	0	0	3	0	0	3	0	0	0	4	0	4	0	0	5	0	0	5	16
Hourly Total	0	8	0	0	0	8	0	1	16	0	0	17	0	0	1	4	0	5	0	1	24	0	0	25	55
4:00 AM	0	5	2	0	0	7	0	0	9	0	0	9	0	0	0	1	0	1	0	0	5	0	0	5	22
4:15 AM	0	6	1	0	0	7	0	0	8	2	0	10	0	0	0	3	0	3	0	0	12	0	0	12	32
4:30 AM	0	4	0	0	0	4	0	0	15	2	0	17	0	0	0	6	0	6	0	1	21	0	0	22	49
4:45 AM	0	2	0	1	0	3	0	0	18	7	0	25	0	0	1	3	0	4	0	0	17	0	0	17	49
Hourly Total	0	17	3	1	0	21	0	0	50	11	0	61	0	0	1	13	0	14	0	1	55	0	0	56	152
5:00 AM	0	12	0	1	0	13	0	0	20	2	0	22	0	2	0	1	0	3	0	1	22	0	0	23	61
5:15 AM	0	13	1	0	0	14	0	1	19	2	0	22	0	2	2	5	0	9	0	0	36	0	0	36	81
5:30 AM	0	13	1	3	0	17	0	0	25	5	0	30	0	2	3	8	0	13	0	0	62	0	0	62	122
5:45 AM	0	11	1	0	0	12	0	0	31	3	0	34	0	0	1	8	0	9	0	0	30	1	0	31	86
Hourly Total	0	49	3	4	0	56	0	1	95	12	0	108	0	6	6	22	0	34	0	1	150	1	0	152	350
6:00 AM	0	15	0	2	0	17	0	1	40	3	0	44	0	2	3	6	0	11	0	0	51	0	0	51	123
6:15 AM	0	15	1	3	0	19	0	1	56	5	0	62	0	1	4	6	0	11	0	1	79	0	0	80	172
6:30 AM	0	29	2	5	0	36	0	1	87	10	0	98	0	5	6	7	0	18	0	1	76	1	0	78	230
6:45 AM	0	28	7	4	0	39	0	2	106	19	1	127	0	1	2	11	0	14	0	3	92	0	1	95	275
Hourly Total	0	87	10	14	0	111	0	5	289	37	1	331	0	9	15	30	0	54	0	5	298	1	1	304	800
7:00 AM	0	27	1	1	0	29	0	1	97	22	1	120	0	3	5	14	0	22	0	4	120	3	0	127	298
7:15 AM	0	35	8	5	1	48	0	2	123	22	0	147	0	0	4	16	0	20	0	1	130	1	0	132	347
7:30 AM	0	44	5	5	0	54	0	4	188	25	0	217	0	7	5	11	1	23	0	9	181	1	0	191	485
7:45 AM	0	40	7	8	0	55	0	7	203	19	0	229	0	4	3	14	0	21	1	3	163	5	0	172	477
Hourly Total	0	146	21	19	1	186	0	14	611	88	1	713	0	14	17	55	1	86	1	17	594	10	0	622	1607

**TMC 2406 - CSAH 1 @ CSAH 18
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Crooked Lake Blvd NW						Westbound CSAH 1						Northbound CSAH 18						Eastbound CSAH 1						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	36	8	7	0	51	0	3	136	23	1	162	0	3	6	10	0	19	0	6	136	5	1	147	379
8:15 AM	0	23	5	8	0	36	0	2	119	25	0	146	0	5	2	5	0	12	1	1	139	6	0	147	341
8:30 AM	0	29	5	6	0	40	1	5	110	25	0	141	0	2	5	12	0	19	0	4	131	3	0	138	338
8:45 AM	0	20	9	2	0	31	1	7	114	23	0	145	0	5	7	14	0	26	0	6	83	5	0	94	296
Hourly Total	0	108	27	23	0	158	2	17	479	96	1	594	0	15	20	41	0	76	1	17	489	19	1	526	1354
9:00 AM	0	35	4	9	0	48	0	3	148	22	1	173	0	6	6	7	0	19	0	5	103	5	0	113	353
9:15 AM	0	37	11	8	0	56	0	2	161	30	0	193	0	4	5	7	0	16	0	3	104	1	0	108	373
9:30 AM	0	18	5	4	0	27	0	7	126	21	1	154	0	7	6	8	0	21	0	6	91	3	1	100	302
9:45 AM	0	19	3	3	0	25	0	8	152	21	0	181	0	11	7	12	0	30	0	8	101	5	0	114	350
Hourly Total	0	109	23	24	0	156	0	20	587	94	2	701	0	28	24	34	0	86	0	22	399	14	1	435	1378
10:00 AM	0	19	5	3	0	27	0	5	102	14	0	121	0	6	7	12	0	25	0	4	107	3	0	114	287
10:15 AM	0	22	7	6	0	35	2	7	120	25	0	154	0	5	6	6	0	17	1	12	95	2	0	110	316
10:30 AM	0	22	10	9	0	41	0	10	99	20	2	129	0	4	6	11	0	21	0	6	125	2	4	133	324
10:45 AM	0	17	5	5	0	27	0	17	121	17	0	155	0	7	6	13	0	26	0	9	138	3	0	150	358
Hourly Total	0	80	27	23	0	130	2	39	442	76	2	559	0	22	25	42	0	89	1	31	465	10	4	507	1285
11:00 AM	0	17	8	7	0	32	0	11	122	25	0	158	0	7	8	8	0	23	0	2	111	4	1	117	330
11:15 AM	0	20	8	5	0	33	0	6	96	25	0	127	0	8	14	10	0	32	0	7	114	6	0	127	319
11:30 AM	0	27	3	12	0	42	0	15	128	29	0	172	0	12	14	17	0	43	0	10	119	8	0	137	394
11:45 AM	0	25	10	11	0	46	0	13	131	39	2	183	0	9	8	13	0	30	0	10	103	5	0	118	377
Hourly Total	0	89	29	35	0	153	0	45	477	118	2	640	0	36	44	48	0	128	0	29	447	23	1	499	1420
12:00 PM	0	21	8	13	1	42	0	13	130	29	0	172	0	8	9	17	0	34	1	10	135	8	0	154	402
12:15 PM	0	24	11	5	0	40	0	7	124	19	0	150	0	7	8	7	0	22	0	9	151	5	0	165	377
12:30 PM	0	23	10	8	0	41	0	10	129	28	0	167	0	6	11	11	0	28	1	9	127	4	0	141	377
12:45 PM	0	26	15	11	0	52	0	8	119	17	0	144	0	9	5	16	0	30	0	5	116	5	1	126	352
Hourly Total	0	94	44	37	1	175	0	38	502	93	0	633	0	30	33	51	0	114	2	33	529	22	1	586	1508
1:00 PM	0	24	7	6	0	37	0	12	124	24	0	160	0	7	15	15	0	37	1	7	119	9	0	136	370
1:15 PM	0	21	5	10	1	36	0	7	144	26	0	177	0	8	19	14	0	41	0	8	119	3	0	130	384
1:30 PM	0	38	15	9	0	62	0	13	136	37	0	186	0	15	9	13	0	37	0	10	131	5	0	146	431
1:45 PM	0	23	9	9	0	41	0	10	172	26	0	208	0	6	11	15	0	32	0	12	186	4	1	202	483
Hourly Total	0	106	36	34	1	176	0	42	576	113	0	731	0	36	54	57	0	147	1	37	555	21	1	614	1668
2:00 PM	0	14	14	3	0	31	0	14	152	24	0	190	0	9	12	14	0	35	1	12	168	4	0	185	441
2:15 PM	0	30	19	10	0	59	0	5	156	28	0	189	0	8	6	15	0	29	0	5	141	5	1	151	428
2:30 PM	0	43	9	4	1	56	0	13	160	30	0	203	0	4	6	13	0	23	0	10	124	7	0	141	423
2:45 PM	0	29	16	6	0	51	0	11	176	43	0	230	0	3	8	15	0	26	1	5	121	1	1	128	435
Hourly Total	0	116	58	23	1	197	0	43	644	125	0	812	0	24	32	57	0	113	2	32	554	17	2	605	1727
3:00 PM	0	24	9	7	0	40	0	8	170	42	0	220	0	5	9	10	0	24	0	8	176	9	0	193	477
3:15 PM	0	40	25	5	0	70	0	16	172	35	0	223	0	5	12	8	0	25	0	11	184	6	0	201	519
3:30 PM	0	35	15	3	0	53	0	15	194	55	0	264	0	20	18	20	0	58	0	6	208	4	0	218	593
3:45 PM	0	33	15	4	0	52	2	11	242	64	0	319	0	9	13	13	0	35	0	5	190	1	0	196	602
Hourly Total	0	132	64	19	0	215	2	50	778	196	0	1026	0	39	52	51	0	142	0	30	758	20	0	808	2191

TMC 2406 - CSAH 1 @ CSAH 18
Coon Rapids MN
Tuesday, September 10, 2024

Time	Southbound Crooked Lake Blvd NW						Westbound CSAH 1						Northbound CSAH 18						Eastbound CSAH 1						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	42	8	5	0	55	0	15	211	72	0	298	0	10	15	11	0	36	0	8	205	7	0	220	609
4:15 PM	0	34	5	9	0	48	0	7	241	58	0	306	0	10	10	8	0	28	0	12	149	10	0	171	553
4:30 PM	0	32	5	9	0	46	0	7	203	61	0	271	0	5	9	11	0	25	0	4	183	9	0	196	538
4:45 PM	0	32	10	11	0	53	0	11	200	66	0	277	0	9	12	16	0	37	0	10	148	5	0	163	530
Hourly Total	0	140	28	34	0	202	0	40	855	257	0	1152	0	34	46	46	0	126	0	34	685	31	0	750	2230
5:00 PM	0	36	6	11	0	53	0	15	234	61	0	310	0	5	9	14	0	28	0	9	138	4	0	151	542
5:15 PM	0	34	19	10	0	63	0	15	188	55	0	258	0	4	15	12	0	31	0	4	118	8	0	130	482
5:30 PM	0	35	18	6	0	59	0	14	218	48	0	280	0	2	12	19	0	33	0	8	117	12	0	137	509
5:45 PM	0	33	18	6	0	57	0	19	199	50	0	268	0	6	10	16	1	32	0	3	101	6	1	110	467
Hourly Total	0	138	61	33	0	232	0	63	839	214	0	1116	0	17	46	61	1	124	0	24	474	30	1	528	2000
6:00 PM	0	26	18	8	0	52	0	14	158	42	3	214	0	5	15	16	0	36	1	3	94	6	1	104	406
6:15 PM	0	20	13	7	0	40	1	18	127	30	1	176	0	3	9	12	0	24	0	5	87	4	0	96	336
6:30 PM	0	29	11	6	0	46	0	18	112	38	1	168	0	8	5	18	0	31	0	7	85	3	1	95	340
6:45 PM	0	24	8	6	0	38	0	20	101	33	0	154	0	9	10	12	0	31	0	4	83	9	0	96	319
Hourly Total	0	99	50	27	0	176	1	70	498	143	5	712	0	25	39	58	0	122	1	19	349	22	2	391	1401
7:00 PM	0	29	14	4	0	47	0	19	76	29	1	124	0	4	8	7	0	19	0	4	85	8	0	97	287
7:15 PM	0	25	13	2	0	40	0	9	72	20	0	101	0	3	11	14	0	28	2	4	79	1	0	86	255
7:30 PM	0	24	12	5	0	41	0	22	62	30	0	114	0	6	6	6	0	18	0	4	70	6	0	80	253
7:45 PM	0	24	11	4	0	39	0	15	67	16	0	98	0	3	6	10	0	19	0	3	75	10	0	88	244
Hourly Total	0	102	50	15	0	167	0	65	277	95	1	437	0	16	31	37	0	84	2	15	309	25	0	351	1039
8:00 PM	0	11	11	2	0	24	0	11	56	11	1	78	0	3	9	12	0	24	0	7	83	5	0	95	221
8:15 PM	0	10	9	1	0	20	0	5	62	26	0	93	0	1	4	6	0	11	0	5	69	3	0	77	201
8:30 PM	0	9	6	4	0	19	0	3	48	13	0	64	0	4	3	4	0	11	1	2	58	2	0	63	157
8:45 PM	0	16	5	2	0	23	0	4	46	7	0	57	0	2	10	7	0	19	0	2	53	3	0	58	157
Hourly Total	0	46	31	9	0	86	0	23	212	57	1	292	0	10	26	29	0	65	1	16	263	13	0	293	736
9:00 PM	0	9	5	1	0	15	0	3	43	12	0	58	0	3	2	10	0	15	0	2	43	6	0	51	139
9:15 PM	0	9	3	2	0	14	0	2	42	17	0	61	0	1	3	5	0	9	1	2	47	3	0	53	137
9:30 PM	0	9	6	0	0	15	0	1	34	11	0	46	0	4	4	8	0	16	0	1	50	1	0	52	129
9:45 PM	0	10	3	2	0	15	0	0	35	8	0	43	0	0	3	2	0	5	0	1	30	2	0	33	96
Hourly Total	0	37	17	5	0	59	0	6	154	48	0	208	0	8	12	25	0	45	1	6	170	12	0	189	501
10:00 PM	0	9	4	0	0	13	0	5	40	8	0	53	0	3	9	8	0	20	0	2	29	0	0	31	117
10:15 PM	0	6	4	1	0	11	0	3	30	8	0	41	0	4	3	15	0	22	0	1	28	0	0	29	103
10:30 PM	0	8	1	1	0	10	0	3	27	11	0	41	0	6	13	16	0	35	0	0	17	0	0	17	103
10:45 PM	0	2	2	2	0	6	0	1	22	12	0	35	0	3	6	10	0	19	0	1	16	0	0	17	77
Hourly Total	0	25	11	4	0	40	0	12	119	39	0	170	0	16	31	49	0	96	0	4	90	0	0	94	400
11:00 PM	0	5	2	1	0	8	0	1	12	8	0	21	0	3	3	10	0	16	0	3	33	2	0	38	83
11:15 PM	0	3	2	0	0	5	0	4	23	4	0	31	0	1	6	3	0	10	0	0	11	0	0	11	57
11:30 PM	0	3	0	0	0	3	0	0	8	0	0	8	0	1	0	2	0	3	0	1	25	0	0	26	40
11:45 PM	0	3	2	1	0	6	1	0	8	8	0	17	0	0	0	0	0	0	0	1	12	0	0	13	36
Hourly Total	0	14	6	2	0	22	1	5	51	20	0	77	0	5	9	15	0	29	0	5	81	2	0	88	216
DAILY TOTAL	0	1750	600	386	4	2736	8	610	8609	1949	16	11176	0	390	565	831	3	1786	13	382	7809	294	16	8498	24196
Cars	0	1724	587	370	1	2681	8	595	8398	1916	16	10917	0	376	559	814	2	1749	13	367	7593	283	12	8256	23603
Heavy Vehicles	0	26	13	16	3	55	0	15	211	33	0	259	0	14	6	17	1	37	0	15	216	11	4	242	593
Heavy Vehicle %	0.00%	1.49%	2.17%	4.15%	75.00%	2.01%	0.00%	2.46%	2.45%	1.69%	0.00%	2.32%	0.00%	3.59%	1.06%	2.05%	33.33%	2.07%	0.00%	3.93%	2.77%	3.74%	25.00%	2.85%	2.45%

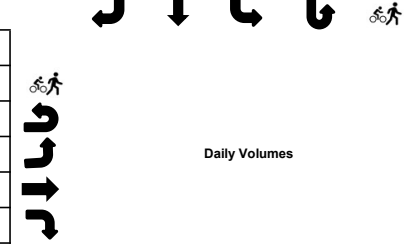
TMC 2406 - CSAH 1 @ CSAH 18
Coon Rapids MN
Tuesday, September 10, 2024
AM Peak Hour

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	35	8	5	1	48	0	2	123	22	0	147	0	0	4	16	0	20	0	1	130	1	0	132	347
7:30 AM	0	44	5	5	0	54	0	4	188	25	0	217	0	7	5	11	1	23	0	9	181	1	0	191	485
7:45 AM	0	40	7	8	0	55	0	7	203	19	0	229	0	4	3	14	0	21	1	3	163	5	0	172	477
8:00 AM	0	36	8	7	0	51	0	3	136	23	1	162	0	3	6	10	0	19	0	6	136	5	1	147	379
Peak Hour Total	0	155	28	25	1	208	0	16	650	89	1	755	0	14	18	51	1	83	1	19	610	12	1	642	1688
PHF	0.000	0.881	0.875	0.781	0.250	0.945	0.000	0.571	0.800	0.890	0.250	0.824	0.000	0.500	0.750	0.797	0.250	0.902	0.250	0.528	0.843	0.600	0.250	0.840	0.870

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	
3:30 PM	0	35	15	3	0	53	0	15	194	55	0	264	0	20	18	20	0	58	0	6	208	4	0	218	593
3:45 PM	0	33	15	4	0	52	2	11	242	64	0	319	0	9	13	13	0	35	0	5	190	1	0	196	602
4:00 PM	0	42	8	5	0	55	0	15	211	72	0	298	0	10	15	11	0	36	0	8	205	7	0	220	609
4:15 PM	0	34	5	9	0	48	0	7	241	58	0	306	0	10	10	8	0	28	0	12	149	10	0	171	553
Peak Hour Total	0	144	43	21	0	208	2	48	888	249	0	1187	0	49	56	52	0	157	0	31	752	22	0	805	2357
PHF	0.000	0.857	0.717	0.583	0.000	0.945	0.250	0.800	0.917	0.865	0.000	0.930	0.000	0.613	0.778	0.650	0.000	0.677	0.000	0.646	0.904	0.550	0.000	0.915	0.968

Total Vehicles On Leg				5632			
Vehicles Entering Intersection				2736			
Vehicles Exiting Intersection				2896			
Southbound							
Cars	370	587	1724	0	1		
Heavy	16	13	26	0	3		
Total	386	600	1750	0	4		



Cars	Heavy	Total	Eastbound	Vehicles Entering Intersection	Total Vehicles on Leg		
12	4	16				11176	21574
13	0	13					
367	15	382					
7593	216	7809					
283	11	294					

Total Vehicles on Leg	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total
			12	4	16
			13	0	13
			367	15	382
			7593	216	7809
283	11	294			

Cars	Heavy	Total	Westbound	Vehicles Exiting Intersection	Total Vehicles on Leg		
1916	33	1949				10398	1398
8398	211	8609					
595	15	610					
8	0	8					
16	0	16					

Cars	Heavy	Total	Northbound	
2	0	2		3290
1	0	1		
3	0	3		

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	
09/10/2024	0:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	0:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	
	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	
	0:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	1:00	0	0	0	0	0	0	0	0	1	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	
	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	
	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	
	2:00	0	0	0	0	0	0	0	0	1	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	
	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	
	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	
	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	
	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	
	4:00	0	0	0	0	0	0	0	0	1	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	1	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	
	4:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
	5:00	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
	5:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	5:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
	5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	6:15	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	
	6:30	0	1	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	
	6:45	0	0	2	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	
	7:00	0	1	0	0	0	0	0	0	4	2	0	0	0	0	0	1	0	0	0	0	0	5	0	0	
	7:15	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	
	7:30	0	1	0	0	0	0	0	1	2	1	0	0	0	1	0	0	0	0	0	0	1	6	0	0	
	7:45	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	9	1	0	
	8:00	0	1	0	1	0	0	0	0	7	2	0	0	0	0	1	0	0	0	0	0	2	3	0	0	
	8:15	0	1	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	
	8:30	0	0	2	0	0	0	0	2	7	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	
	8:45	0	1	1	0	0	0	0	2	5	0	0	0	0	1	0	1	0	0	0	0	0	5	1	0	
	9:00	0	1	0	0	0	0	0	0	5	1	0	0	0	0	1	0	0	0	0	0	0	4	1	0	
	9:15	0	1	1	2	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	8	0	0	
	9:30	0	0	0	0	0	0	0	0	8	0	0	0	0	1	0	1	0	0	0	0	1	2	1	1	
	9:45	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	
	10:00	0	1	0	0	0	0	0	0	7	1	0	0	0	1	0	0	0	0	0	0	1	4	0	0	
	10:15	0	0	0	0	0	0	0	1	7	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
	10:30	0	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	7	0	0	
	10:45	0	0	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	
	11:00	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	4	0	1	
	11:15	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	
	11:30	0	1	0	1	0	0	0	0	3	0	0	0	0	1	1	1	0	0	0	0	3	1	0	0	
	11:45	0	1	0	1	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
	12:00	0	1	0	0	1	0	0	1	2	1	0	0	0	0	0	3	0	0	0	0	0	2	1	0	
	12:15	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	
	12:30	0	1	0	0	0	0	0	1	8	0	0	0	0	1	1	3	0	0	0	0	0	7	1	0	
	12:45	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
	13:00	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	
	13:15	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	
	13:30	0	0	0	1	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0	
	13:45	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	
	14:00	0	0	0	0	0	0	0	2	6	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	
	14:15	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	5	2	0	
	14:30	0	2	0	0	0	1	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	
	14:45	0	0	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	15:00	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15:15	0	1	1	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	
	15:30	0	0	1	0	0	0	0	0	13	2	0	0	0	1	0	0	0	0	0	0	0	8	1	0	
	15:45	0	3	0	0	0	0	0	0	1	5	0	0	0	0	1	0	1	0	0	0	0	3	0	0	
	16:00	0	1	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
	16:15	0	0	0	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	16:30	0	0	0	1	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	
	16:45	0	0	0	1	0	0	0	0	2	2	0	0	0	1	0	0	0	0	0	0	0	2	0	0	
	17:00	0	1	0	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	17:15	0	0	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
	17:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
	17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	18:00	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	
	18:15	0	0	0	0	0	0	0	0	3	0	0	0	0	0											

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 8,498

Westbound: CSAH 1

Number of Lanes :2+

Total Approach Volume: 11,176

Minor Street Approaches

Northbound: Round Lake Blvd NW

Number of Lanes :2+

Total Approach Volume: 955

Southbound: CSAH 18

Number of Lanes :2+

Total Approach Volume: 2,736

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 12 hours, 8 are needed

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

Required volumes reached for 14 hours, 8 are needed

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

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

Required 1B volumes reached for 15 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 (44) 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 2406

Study Date : 09/19/2024

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

12 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **420**
 Veh/Hr Minor = **140**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
	CSAH 1					Round Lake Blvd NW		
16:00 - 17:00	750	+	1152	=	1902	80	202	Yes
15:00 - 16:00	808	+	1026	=	1834	91	215	Yes
17:00 - 18:00	528	+	1116	=	1644	63	232	Yes
14:00 - 15:00	605	+	812	=	1417	56	197	Yes
07:30 - 08:30	657	+	754	=	1411	35	196	Yes
13:00 - 14:00	614	+	731	=	1345	90	176	Yes
12:00 - 13:00	586	+	633	=	1219	63	175	Yes
11:00 - 12:00	499	+	640	=	1139	80	153	Yes
08:30 - 09:30	453	+	652	=	1105	40	175	Yes
18:00 - 19:00	391	+	712	=	1103	64	176	Yes
06:30 - 07:30	432	+	492	=	924	26	152	Yes
19:00 - 20:00	351	+	437	=	788	47	167	Yes
10:45 - 11:45	531	+	612	=	1143	76	134	No
10:15 - 11:15	510	+	596	=	1106	49	135	No
10:30 - 11:30	527	+	569	=	1096	60	133	No
10:00 - 11:00	507	+	559	=	1066	47	130	No
09:45 - 10:45	471	+	585	=	1056	52	128	No
09:30 - 10:30	438	+	610	=	1048	55	114	No
06:15 - 07:15	380	+	407	=	787	27	123	No
06:00 - 07:00	304	+	331	=	635	24	111	No
20:00 - 21:00	293	+	292	=	585	36	86	No
20:15 - 21:15	249	+	272	=	521	29	77	No
05:45 - 06:45	240	+	238	=	478	22	84	No
20:30 - 21:30	225	+	240	=	465	28	71	No
20:45 - 21:45	214		222		436	29	67	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

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

14 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

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

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	750	+	1152	=	1902	80	202	Yes
15:00 - 16:00	808	+	1026	=	1834	91	215	Yes
17:00 - 18:00	528	+	1116	=	1644	63	232	Yes
14:00 - 15:00	605	+	812	=	1417	56	197	Yes
13:00 - 14:00	614	+	731	=	1345	90	176	Yes
07:00 - 08:00	622	+	713	=	1335	31	186	Yes
12:00 - 13:00	586	+	633	=	1219	63	175	Yes
11:00 - 12:00	499	+	640	=	1139	80	153	Yes
09:00 - 10:00	435	+	701	=	1136	52	156	Yes
08:00 - 09:00	526	+	594	=	1120	35	158	Yes
18:00 - 19:00	391	+	712	=	1103	64	176	Yes
10:00 - 11:00	507	+	559	=	1066	47	130	Yes
19:00 - 20:00	351	+	437	=	788	47	167	Yes
06:00 - 07:00	304	+	331	=	635	24	111	Yes
20:00 - 21:00	293	+	292	=	585	36	86	No
20:15 - 21:15	249	+	272	=	521	29	77	No
05:45 - 06:45	240	+	238	=	478	22	84	No
20:30 - 21:30	225	+	240	=	465	28	71	No
20:45 - 21:45	214	+	222	=	436	29	67	No
21:00 - 22:00	189	+	208	=	397	20	59	No
05:30 - 06:30	224	+	170	=	394	16	65	No
21:15 - 22:15	169	+	203	=	372	27	57	No
21:30 - 22:30	145	+	183	=	328	30	54	No
05:15 - 06:15	180	+	130	=	310	15	60	No
21:45 - 22:45	110		178		288	41	49	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

Warrant 1C Combination of Warrants

Description

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

Summary

14 hours meet 1A minimums.
15 hours meet 1B minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

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

Veh/Hr Minor = **112 56**

Major Road CSAH 1

Minor Road Round Lake Blvd NW

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:15 - 16:15	835	+	1104	=	1939	102	230	Yes
16:15 - 17:15	681	+	1164	=	1845	69	200	Yes
17:15 - 18:15	481	+	1020	=	1501	69	231	Yes
14:15 - 15:15	613	+	842	=	1455	49	206	Yes
13:15 - 14:15	663	+	761	=	1424	89	170	Yes
07:15 - 08:15	642	+	755	=	1397	32	208	Yes
11:15 - 12:15	536	+	654	=	1190	82	163	Yes
12:15 - 13:15	568	+	621	=	1189	68	170	Yes
10:15 - 11:15	510	+	596	=	1106	49	135	Yes
08:15 - 09:15	492	+	605	=	1097	38	155	Yes
09:15 - 10:15	436	+	649	=	1085	53	135	Yes
18:15 - 19:15	384	+	622	=	1006	56	171	Yes

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:00 - 17:00	750	+	1152	=	1902	80	202	Yes
15:00 - 16:00	808	+	1026	=	1834	91	215	Yes
17:00 - 18:00	528	+	1116	=	1644	63	232	Yes
14:00 - 15:00	605	+	812	=	1417	56	197	Yes
13:00 - 14:00	614	+	731	=	1345	90	176	Yes
07:00 - 08:00	622	+	713	=	1335	31	186	Yes
12:00 - 13:00	586	+	633	=	1219	63	175	Yes
11:00 - 12:00	499	+	640	=	1139	80	153	Yes
09:00 - 10:00	435	+	701	=	1136	52	156	Yes
08:00 - 09:00	526	+	594	=	1120	35	158	Yes
18:00 - 19:00	391	+	712	=	1103	64	176	Yes
10:00 - 11:00	507	+	559	=	1066	47	130	Yes

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

Warrant 2 - Four Hour Volumes

Description

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

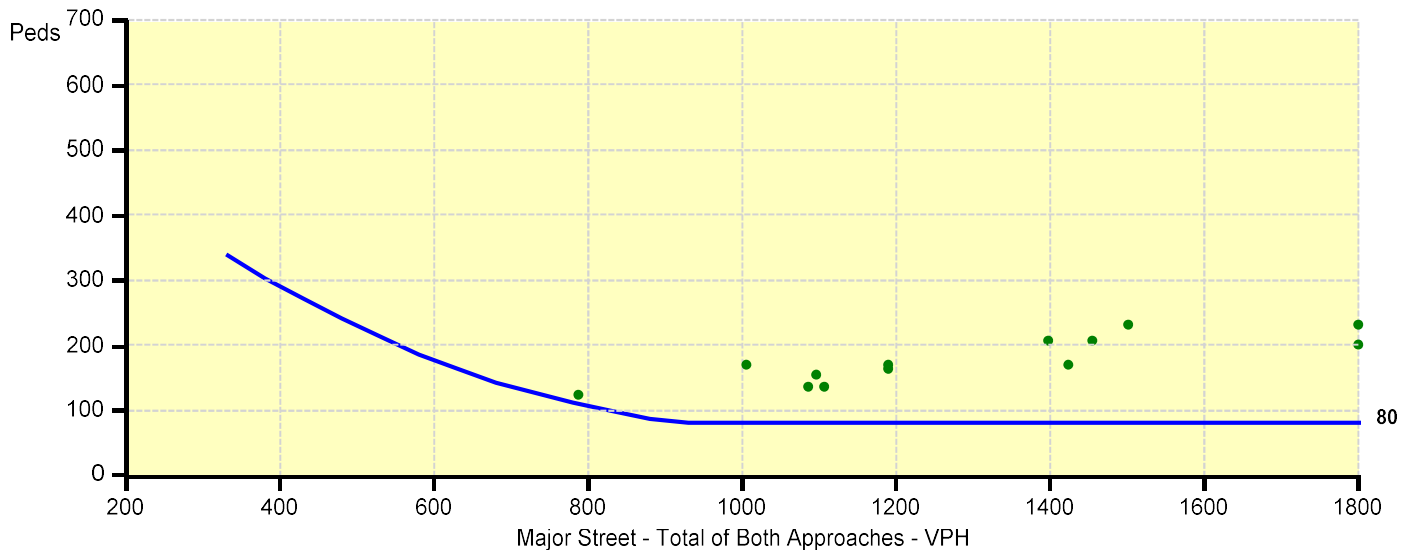
Summary

14 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 1				Total	Minor Road Round Lake Blvd NW		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:15 - 16:15	835	+	1104	=	1939	102	230	Yes
16:15 - 17:15	681	+	1164	=	1845	69	200	Yes
17:15 - 18:15	481	+	1020	=	1501	69	231	Yes
14:15 - 15:15	613	+	842	=	1455	49	206	Yes
13:15 - 14:15	663	+	761	=	1424	89	170	Yes
07:15 - 08:15	642	+	755	=	1397	32	208	Yes
11:15 - 12:15	536	+	654	=	1190	82	163	Yes
12:15 - 13:15	568	+	621	=	1189	68	170	Yes
10:15 - 11:15	510	+	596	=	1106	49	135	Yes
08:15 - 09:15	492	+	605	=	1097	38	155	Yes
09:15 - 10:15	436	+	649	=	1085	53	135	Yes
18:15 - 19:15	384	+	622	=	1006	56	171	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

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.

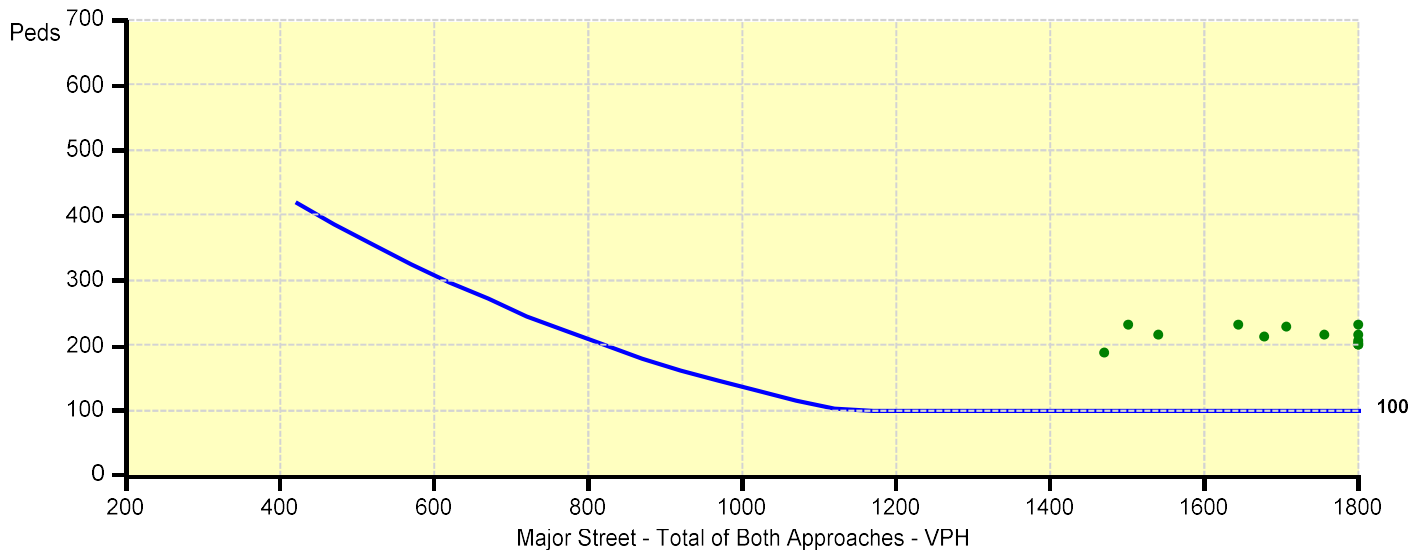
Summary

47 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 1				Total	Minor Road Round Lake Blvd NW		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:30 - 16:30	805	+	1187	=	1992	105	208	Yes
15:45 - 16:45	783	+	1194	=	1977	81	201	Yes
15:15 - 16:15	835	+	1104	=	1939	102	230	Yes
16:00 - 17:00	750	+	1152	=	1902	80	202	Yes
16:15 - 17:15	681	+	1164	=	1845	69	200	Yes
15:00 - 16:00	808	+	1026	=	1834	91	215	Yes
16:30 - 17:30	640	+	1116	=	1756	68	215	Yes
16:45 - 17:45	581	+	1125	=	1706	68	228	Yes
14:45 - 15:45	740	+	937	=	1677	80	214	Yes
17:00 - 18:00	528	+	1116	=	1644	63	232	Yes
14:30 - 15:30	663	+	876	=	1539	52	217	Yes
17:15 - 18:15	481	+	1020	=	1501	69	231	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2406

Study Date : 09/19/2024

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+
Total Approach Volume: 8,498

Westbound: CSAH 1

Number of Lanes :2+
Total Approach Volume: 11,176

Minor Street Approaches

Northbound: Round Lake Blvd NW

Number of Lanes :2+
Total Approach Volume: 955

Southbound: CSAH 18

Number of Lanes :2+
Total Approach Volume: 2,736

Warrant Summary (Rural Values Apply)

Criteria A - Interim Measure	Not Evaluated
If traffic signals are justified, stop signs can be installed as an interim measure.	
Criteria B - Crash Experience	Not Satisfied
Number of crashes (-1) is less than minimum required (5).	
Criteria C - Minimum Volumes and Delays	Satisfied
Average of 8 highest hours meets or exceeds volume criteria.	
Criteria D - 80% of Volumes, Delays, and Crashes	Not Satisfied
Number of crashes (-1) is less than minimum required (4). Average of 8 highest hours meets or exceeds volume criteria.	

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:30 - 16:30	1992	1496.5	313	269.6	210	140	Yes
16:30 - 17:30	1756		288				
14:30 - 15:30	1539		271				
13:30 - 14:30	1457		273				
17:30 - 18:30	1385		280				
07:30 - 08:30	1411		235				
11:30 - 12:30	1251		247				
12:30 - 13:30	1181		250				
09:00 - 10:00	1136		212				
10:15 - 11:15	1106		192				
18:30 - 19:30	921		230				
06:30 - 07:30	924		184				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:30 - 16:30	1992	1496.5	313	269.6	240	160	Yes
16:30 - 17:30	1756		288				
14:30 - 15:30	1539		271				
13:30 - 14:30	1457		273				
17:30 - 18:30	1385		280				
07:30 - 08:30	1411		235				
11:30 - 12:30	1251		247				
12:30 - 13:30	1181		250				
09:00 - 10:00	1136		212				
10:15 - 11:15	1106		192				
18:30 - 19:30	921		230				
06:30 - 07:30	924		184				