

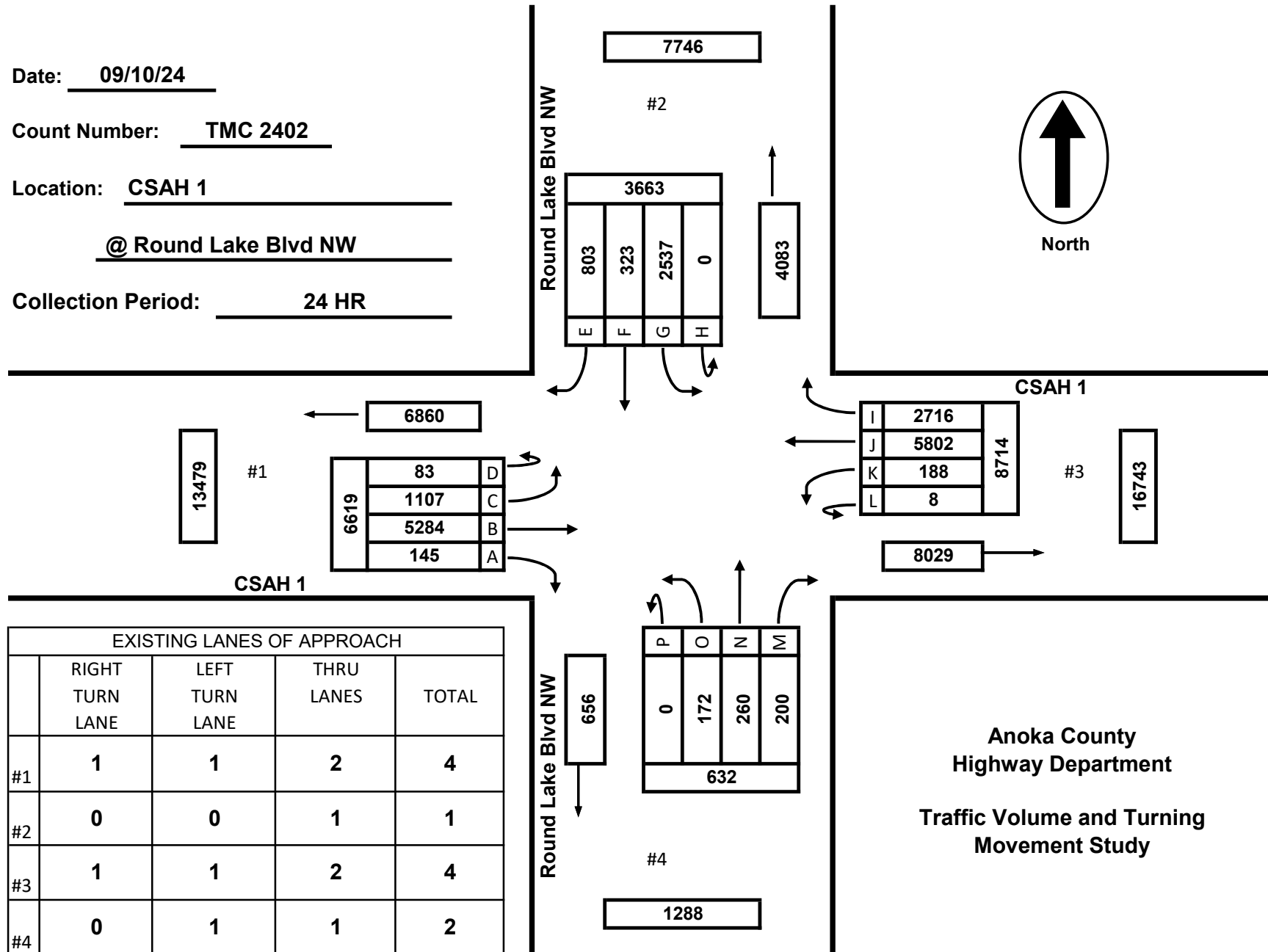
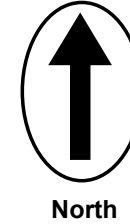
Date: 09/10/24

Count Number: TMC 2402

Location: CSAH 1

@ Round Lake Blvd NW

Collection Period: 24 HR



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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/10/24

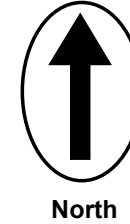
Count Number: TMC 2402

Location: CSAH 1

@ Round Lake Blvd NW

Collection Period: 24 HR

Peak Hour: 7:15 - 8:15 AM



CSAH 1

CSAH 1

Round Lake Blvd NW

Round Lake Blvd NW

528

#2

367			
49	18	300	0
E	F	G	H

161

1015

#1

555	6	D
	50	C
	491	B
	8	A

460

I	101	502
J	392	
K	9	
L	0	

#3

1305

803

P	O	N	M
0	13	10	12
35			

#4

35

70

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

Anoka County Highway Department
Traffic Volume and Turning Movement Study

Date: 09/10/24

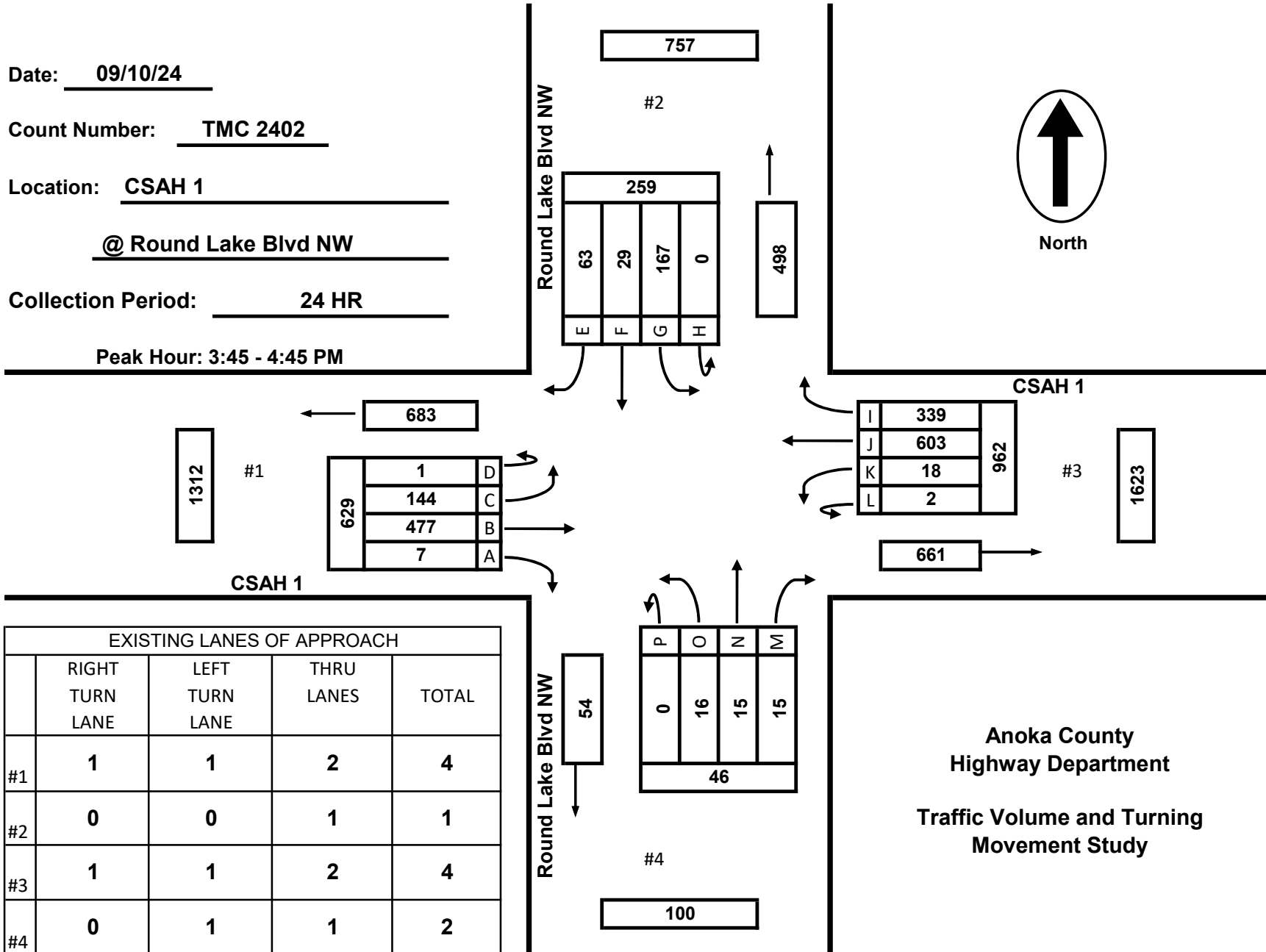
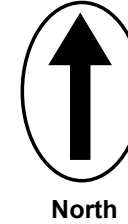
Count Number: TMC 2402

Location: CSAH 1

@ Round Lake Blvd NW

Collection Period: 24 HR

Peak Hour: 3:45 - 4:45 PM



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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

**TMC 2402 - CSAH 1 @ Round Lake Blvd NW
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Round Lake Blvd NW						Westbound CSAH 1						Northbound Round Lake Blvd NW						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	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	0	0	10	0	0	10	18
12:15 AM	0	0	0	1	0	1	0	0	3	2	0	5	0	0	0	0	0	0	0	1	4	0	0	5	11
12:30 AM	0	0	0	0	0	0	0	0	3	2	0	5	0	0	0	0	0	0	0	2	4	0	0	6	11
12:45 AM	0	0	0	2	0	2	1	0	2	0	0	3	0	0	0	0	0	0	0	2	7	0	0	9	14
Hourly Total	0	0	0	3	0	3	1	1	15	4	0	21	0	0	0	0	0	0	0	5	25	0	0	30	54
1:00 AM	0	3	0	0	0	3	0	0	2	1	0	3	0	0	0	0	0	0	0	0	10	0	0	10	16
1:15 AM	0	0	0	1	0	1	0	0	4	1	0	5	0	0	0	0	0	0	0	0	4	1	0	5	11
1:30 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	12	0	0	12	14
1:45 AM	0	2	0	0	0	2	0	0	5	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	9
Hourly Total	0	6	0	1	0	7	0	0	12	4	0	16	0	0	0	0	0	0	0	0	26	1	0	27	50
2:00 AM	0	0	0	1	0	1	0	0	4	3	0	7	0	0	0	0	0	0	0	2	6	0	0	8	16
2:15 AM	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	0	3	0	0	3	6
2:30 AM	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	1	1	0	0	2	5
2:45 AM	0	1	0	1	0	2	0	0	2	1	0	3	0	0	0	0	0	0	0	2	5	0	0	7	12
Hourly Total	0	1	0	2	0	3	0	0	8	8	0	16	0	0	0	0	0	0	0	5	15	0	0	20	39
3:00 AM	0	1	0	0	0	1	0	0	4	0	0	4	0	1	0	0	0	1	0	0	4	0	0	4	10
3:15 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	5	0	0	5	9
3:30 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	1	0	0	1	0	1	5	0	0	6	10
3:45 AM	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	4	0	0	4	10
Hourly Total	0	1	0	0	0	1	0	0	17	0	0	17	0	1	1	0	0	2	0	1	18	0	0	19	39
4:00 AM	0	0	0	0	0	0	0	0	7	1	0	8	0	1	0	0	0	1	0	0	6	0	0	6	15
4:15 AM	0	5	0	1	0	6	0	1	8	2	0	11	0	0	0	0	0	0	0	0	2	0	0	2	19
4:30 AM	0	3	0	4	0	7	0	0	16	3	0	19	0	0	1	3	0	4	1	0	9	0	0	10	40
4:45 AM	0	4	0	1	0	5	0	0	16	2	0	18	0	1	0	0	0	1	0	0	9	0	0	9	33
Hourly Total	0	12	0	6	0	18	0	1	47	8	0	56	0	2	1	3	0	6	1	0	26	0	0	27	107
5:00 AM	0	2	0	1	0	3	0	0	19	9	0	28	0	2	0	1	0	3	0	1	10	0	0	11	45
5:15 AM	0	5	1	4	0	10	0	0	16	6	0	22	0	1	2	0	0	3	0	3	25	0	0	28	63
5:30 AM	0	15	0	3	0	18	0	0	37	6	0	43	0	0	1	2	0	3	0	1	33	0	0	34	98
5:45 AM	0	8	1	4	0	13	0	1	25	8	0	34	0	1	2	2	0	5	0	4	16	0	0	20	72
Hourly Total	0	30	2	12	0	44	0	1	97	29	0	127	0	4	5	5	0	14	0	9	84	0	0	93	278
6:00 AM	0	15	0	2	0	17	0	0	43	6	0	49	0	0	1	0	0	1	0	2	39	0	0	41	108
6:15 AM	0	28	1	7	0	36	0	2	49	11	0	62	0	1	6	2	1	9	0	0	39	0	0	39	146
6:30 AM	0	19	0	10	0	29	0	1	73	19	0	93	0	2	4	6	0	12	0	2	53	1	0	56	190
6:45 AM	0	28	2	12	0	42	0	1	92	19	0	112	0	1	4	2	0	7	2	5	61	2	0	70	231
Hourly Total	0	90	3	31	0	124	0	4	257	55	0	316	0	4	15	10	1	29	2	9	192	3	0	206	675
7:00 AM	0	40	2	7	0	49	0	1	71	13	0	85	0	5	6	6	0	17	1	9	72	0	0	82	233
7:15 AM	0	55	3	10	0	68	0	1	99	24	0	124	0	3	5	5	0	13	2	10	76	2	0	90	295
7:30 AM	0	89	5	13	0	107	0	3	101	23	0	127	0	5	3	0	0	8	2	17	156	2	0	177	419
7:45 AM	0	94	7	17	0	118	0	3	97	32	0	132	0	3	0	2	1	5	1	5	154	0	0	160	415
Hourly Total	0	278	17	47	0	342	0	8	368	92	0	468	0	16	14	13	1	43	6	41	458	4	0	509	1362

**TMC 2402 - CSAH 1 @ Round Lake Blvd NW
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Round Lake Blvd NW						Westbound CSAH 1						Northbound Round Lake Blvd NW						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	62	3	9	1	74	0	2	95	22	0	119	0	2	2	5	0	9	1	18	105	4	0	128	330
8:15 AM	0	40	11	8	0	59	0	4	83	21	0	108	0	3	2	5	0	10	1	15	98	4	0	118	295
8:30 AM	0	48	9	17	0	74	0	7	72	14	0	93	0	5	4	3	0	12	0	13	65	4	0	82	261
8:45 AM	0	38	15	17	0	70	0	7	72	42	1	121	0	2	5	5	0	12	4	15	83	4	2	106	309
Hourly Total	0	188	38	51	1	277	0	20	322	99	1	441	0	12	13	18	0	43	6	61	351	16	2	434	1195
9:00 AM	0	53	7	20	0	80	0	6	83	22	0	111	0	1	5	6	0	12	3	11	79	2	0	95	298
9:15 AM	0	66	4	22	0	92	1	4	80	32	1	117	0	4	5	1	0	10	0	13	92	0	0	105	324
9:30 AM	0	57	3	18	1	78	1	5	72	34	0	112	0	4	6	6	0	16	4	14	79	3	0	100	306
9:45 AM	0	46	6	19	0	71	0	2	101	64	0	167	0	8	2	3	1	13	3	18	81	8	0	110	361
Hourly Total	0	222	20	79	1	321	2	17	336	152	1	507	0	17	18	16	1	51	10	56	331	13	0	410	1289
10:00 AM	0	30	4	12	0	46	0	3	71	39	0	113	0	4	5	5	0	14	1	21	78	2	0	102	275
10:15 AM	0	54	2	28	0	84	0	3	75	33	0	111	0	3	5	3	0	11	1	22	72	2	0	97	303
10:30 AM	0	56	6	25	1	87	0	1	77	28	0	106	0	3	8	2	0	13	3	17	99	1	0	120	326
10:45 AM	0	46	6	14	0	66	0	1	80	45	0	126	0	1	6	6	0	13	2	20	81	4	0	107	312
Hourly Total	0	186	18	79	1	283	0	8	303	145	0	456	0	11	24	16	0	51	7	80	330	9	0	426	1216
11:00 AM	0	47	2	16	0	65	0	2	80	61	2	143	0	3	3	6	4	12	3	22	65	4	0	94	314
11:15 AM	0	48	2	14	0	64	0	4	85	37	0	126	0	3	3	4	0	10	3	23	94	3	0	123	323
11:30 AM	0	55	5	11	2	71	0	2	69	41	1	112	0	5	6	3	1	14	2	24	93	3	1	122	319
11:45 AM	0	43	7	7	0	57	0	2	88	54	0	144	0	3	7	2	0	12	6	21	94	0	0	121	334
Hourly Total	0	193	16	48	2	257	0	10	322	193	3	525	0	14	19	15	5	48	14	90	346	10	1	460	1290
12:00 PM	0	55	4	11	0	70	0	2	69	53	0	124	0	4	4	3	1	11	1	26	74	1	0	102	307
12:15 PM	0	55	11	19	1	85	0	2	102	72	0	176	0	1	8	4	0	13	3	20	73	0	0	96	370
12:30 PM	0	49	1	21	1	71	0	3	93	48	0	144	0	2	4	3	0	9	0	16	71	0	3	87	311
12:45 PM	0	36	4	19	0	59	1	2	93	48	0	144	0	2	7	5	1	14	5	21	70	3	1	99	316
Hourly Total	0	195	20	70	2	285	1	9	357	221	0	588	0	9	23	15	2	47	9	83	288	4	4	384	1304
1:00 PM	0	43	12	15	0	70	0	5	83	43	0	131	0	4	4	5	1	13	2	17	80	2	0	101	315
1:15 PM	0	29	4	13	0	46	0	3	115	47	0	165	0	3	3	5	3	11	2	17	84	4	0	107	329
1:30 PM	0	49	7	14	0	70	1	0	95	41	0	137	0	4	3	2	3	9	1	23	95	2	0	121	337
1:45 PM	0	53	9	19	1	81	0	3	155	93	0	251	0	4	1	3	0	8	3	20	95	5	0	123	463
Hourly Total	0	174	32	61	1	267	1	11	448	224	0	684	0	15	11	15	7	41	8	77	354	13	0	452	1444
2:00 PM	0	34	3	15	0	52	0	3	98	72	0	173	0	4	5	1	0	10	2	18	90	1	0	111	346
2:15 PM	0	35	7	18	0	60	0	4	115	57	0	176	0	5	5	2	2	12	2	17	89	6	1	114	362
2:30 PM	0	37	6	17	0	60	0	6	113	37	0	156	0	2	3	4	0	9	0	29	89	4	0	122	347
2:45 PM	0	35	8	16	1	59	0	3	131	48	0	182	0	3	5	3	0	11	2	30	79	3	0	114	366
Hourly Total	0	141	24	66	1	231	0	16	457	214	0	687	0	14	18	10	2	42	6	94	347	14	1	461	1421
3:00 PM	0	41	5	9	0	55	0	8	111	36	0	155	0	6	6	5	2	17	2	21	115	6	0	144	371
3:15 PM	0	36	5	8	0	49	0	3	104	62	0	169	0	2	8	3	0	13	2	30	122	4	0	158	389
3:30 PM	0	44	10	10	0	64	0	6	129	82	0	217	0	4	7	4	1	15	2	31	144	4	0	181	477
3:45 PM	0	40	5	18	0	63	1	7	152	103	0	263	0	2	3	7	0	12	1	35	111	2	0	149	487
Hourly Total	0	161	25	45	0	231	1	24	496	283	0	804	0	14	24	19	3	57	7	117	492	16	0	632	1724

**TMC 2402 - CSAH 1 @ Round Lake Blvd NW
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Round Lake Blvd NW						Westbound CSAH 1						Northbound Round Lake Blvd NW						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	53	5	18	0	76	0	4	145	84	0	233	0	3	6	4	0	13	0	44	112	1	0	157	479
4:15 PM	0	31	8	10	1	49	0	5	161	68	0	234	0	5	3	3	0	11	0	32	108	0	0	140	434
4:30 PM	0	43	11	17	0	71	1	2	145	84	0	232	0	6	3	1	0	10	0	33	146	4	0	183	496
4:45 PM	0	33	4	9	2	46	1	3	142	78	0	224	0	4	4	7	0	15	0	23	98	1	0	122	407
Hourly Total	0	160	28	54	3	242	2	14	593	314	0	923	0	18	16	15	0	49	0	132	464	6	0	602	1816
5:00 PM	0	49	7	11	0	67	0	4	140	64	0	208	0	1	11	3	2	15	0	34	88	2	0	124	414
5:15 PM	0	42	2	9	0	53	0	4	121	66	0	191	0	2	9	2	0	13	3	20	80	3	0	106	363
5:30 PM	0	42	8	9	0	59	0	3	128	53	0	184	0	1	7	3	2	11	0	20	79	2	0	101	355
5:45 PM	0	46	6	11	0	63	0	2	104	54	0	160	0	5	4	2	1	11	0	18	50	5	0	73	307
Hourly Total	0	179	23	40	0	242	0	13	493	237	0	743	0	9	31	10	5	50	3	92	297	12	0	404	1439
6:00 PM	0	20	4	6	0	30	0	2	93	51	0	146	0	2	4	3	6	9	0	12	76	0	0	88	273
6:15 PM	0	26	8	9	0	43	0	2	78	44	0	124	0	0	6	0	1	6	1	14	74	0	0	89	262
6:30 PM	0	22	2	9	0	33	0	5	66	34	0	105	0	0	1	4	1	5	0	7	58	0	0	65	208
6:45 PM	0	26	3	9	0	38	0	4	61	35	0	100	0	0	1	1	1	2	0	10	51	3	0	64	204
Hourly Total	0	94	17	33	0	144	0	13	298	164	0	475	0	2	12	8	9	22	1	43	259	3	0	306	947
7:00 PM	0	27	7	5	0	39	0	3	49	24	0	76	0	2	1	1	0	4	0	9	58	0	0	67	186
7:15 PM	0	22	2	9	0	33	0	1	42	27	0	70	0	1	3	1	0	5	0	10	49	4	0	63	171
7:30 PM	0	20	6	8	0	34	0	1	53	21	0	75	0	4	2	1	0	7	0	19	54	1	0	74	190
7:45 PM	0	16	2	12	0	30	0	1	42	20	0	63	0	0	0	0	0	0	0	6	46	4	0	56	149
Hourly Total	0	85	17	34	0	136	0	6	186	92	0	284	0	7	6	3	0	16	0	44	207	9	0	260	696
8:00 PM	0	20	2	9	0	31	0	1	37	20	0	58	0	0	0	2	0	2	1	8	54	1	0	64	155
8:15 PM	0	21	2	3	0	26	0	2	42	21	0	65	0	0	2	1	2	3	0	6	30	1	2	37	131
8:30 PM	0	21	1	3	0	25	0	1	39	17	0	57	0	1	2	0	0	3	0	2	31	1	0	34	119
8:45 PM	0	15	1	2	0	18	0	2	30	16	0	48	0	0	1	0	0	1	0	11	22	1	0	34	101
Hourly Total	0	77	6	17	0	100	0	6	148	74	0	228	0	1	5	3	2	9	1	27	137	4	2	169	506
9:00 PM	0	14	1	7	0	22	0	1	23	18	0	42	0	1	0	1	0	2	0	2	29	1	0	32	98
9:15 PM	0	13	3	1	0	17	0	1	34	13	0	48	0	0	0	2	0	2	0	7	27	1	0	35	102
9:30 PM	0	7	2	1	0	10	0	0	24	11	0	35	0	1	0	0	0	1	0	5	26	2	0	33	79
9:45 PM	0	3	2	7	0	12	0	1	23	12	0	36	0	0	2	1	0	3	0	4	23	0	0	27	78
Hourly Total	0	37	8	16	0	61	0	3	104	54	0	161	0	2	2	4	0	8	0	18	105	4	0	127	357
10:00 PM	0	4	4	0	0	8	0	0	19	11	0	30	0	0	1	0	0	1	0	6	16	3	0	25	64
10:15 PM	0	11	0	0	0	11	0	3	23	8	0	34	0	0	0	1	0	1	0	0	18	0	0	18	64
10:30 PM	0	2	2	2	0	6	0	0	21	14	0	35	0	0	0	0	0	0	0	2	9	1	0	12	53
10:45 PM	0	5	1	2	0	8	0	0	20	4	0	24	0	0	0	1	0	1	0	4	16	0	0	20	53
Hourly Total	0	22	7	4	0	33	0	3	83	37	0	123	0	0	1	2	0	3	0	12	59	4	0	75	234
11:00 PM	0	4	0	0	0	4	0	0	11	5	0	16	0	0	0	0	0	0	0	2	30	0	0	32	52
11:15 PM	0	0	1	3	0	4	0	0	16	3	0	19	0	0	1	0	0	1	0	4	6	0	0	10	34
11:30 PM	0	0	1	1	0	2	0	0	5	2	0	7	0	0	0	0	0	0	2	5	25	0	0	32	41
11:45 PM	0	1	0	0	0	1	0	0	3	3	0	6	0	0	0	0	0	0	0	0	12	0	0	12	19
Hourly Total	0	5	2	4	0	11	0	0	35	13	0	48	0	0	1	0	0	1	2	11	73	0	0	86	146
DAILY TOTAL	0	2537	323	803	12	3663	8	188	5802	2716	5	8714	0	172	260	200	38	632	83	1107	5284	145	10	6619	19628
Cars	0	2509	320	780	7	3609	8	183	5635	2675	2	8501	0	168	257	192	10	617	82	1080	5115	141	10	6418	19145
Heavy Vehicles	0	28	3	23	5	54	0	5	167	41	3	213	0	4	3	8	28	15	1	27	169	4	0	201	483
Heavy Vehicle %	0.00%	1.10%	0.93%	2.86%	41.67%	1.47%	0.00%	2.86%	2.88%	1.51%	60.00%	2.44%	0.00%	2.33%	1.15%	4.00%	73.68%	2.37%	1.20%	2.44%	3.20%	2.76%	0.00%	3.04%	2.46%

TMC 2402 - CSAH 1 @ Round Lake Blvd NW
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	55	3	10	0	68	0	1	99	24	0	124	0	3	5	5	0	13	2	10	76	2	0	90	295
7:30 AM	0	89	5	13	0	107	0	3	101	23	0	127	0	5	3	0	0	8	2	17	156	2	0	177	419
7:45 AM	0	94	7	17	0	118	0	3	97	32	0	132	0	3	0	2	1	5	1	5	154	0	0	160	415
8:00 AM	0	62	3	9	1	74	0	2	95	22	0	119	0	2	2	5	0	9	1	18	105	4	0	128	330
Peak Hour Total	0	300	18	49	1	367	0	9	392	101	0	502	0	13	10	12	1	35	6	50	491	8	0	555	1459
PHF	0.000	0.798	0.643	0.721	0.250	0.778	0.000	0.750	0.970	0.789	0.000	0.951	0.000	0.650	0.500	0.600	0.250	0.673	0.750	0.694	0.787	0.500	0.000	0.784	0.871

PM Peak Hour

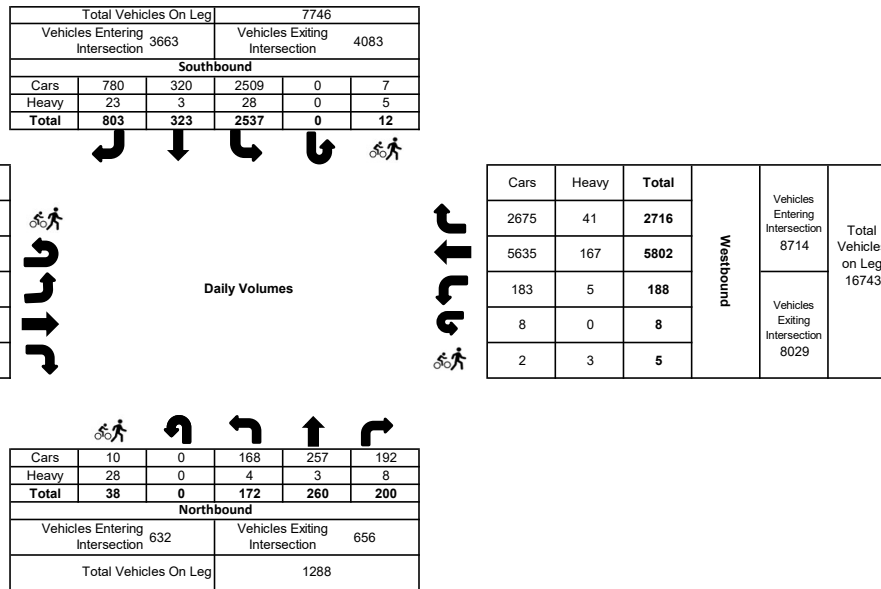
Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
3:45 PM	0	40	5	18	0	63	1	7	152	103	0	263	0	2	3	7	0	12	1	35	111	2	0	149	487
4:00 PM	0	53	5	18	0	76	0	4	145	84	0	233	0	3	6	4	0	13	0	44	112	1	0	157	479
4:15 PM	0	31	8	10	1	49	0	5	161	68	0	234	0	5	3	3	0	11	0	32	108	0	0	140	434
4:30 PM	0	43	11	17	0	71	1	2	145	84	0	232	0	6	3	1	0	10	0	33	146	4	0	183	496
Peak Hour Total	0	167	29	63	1	259	2	18	603	339	0	962	0	16	15	15	0	46	1	144	477	7	0	629	1896
PHF	0.000	0.788	0.659	0.875	0.250	0.852	0.500	0.643	0.936	0.823	0.000	0.914	0.000	0.667	0.625	0.536	0.000	0.885	0.250	0.818	0.817	0.438	0.000	0.859	0.956

Total Vehicles On Leg				7746			
Vehicles Entering Intersection		3663		Vehicles Exiting Intersection		4083	
Southbound							
Cars	780	320	2509	0	7		
Heavy	23	3	28	0	5		
Total	803	323	2537	0	12		

Total Vehicles on Leg 13479	Vehicles Entering Intersection 6619	Eastbound	Cars	Heavy	Total
			10	0	10
			82	1	83
			1080	27	1107
			5115	169	5284
Vehicles Exiting Intersection 6860			Cars	Heavy	Total
			141	4	145

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 8714	Total Vehicles on Leg 16743
2675	41	2716			
5635	167	5802			
183	5	188			
8	0	8			
2	3	5		Vehicles Exiting Intersection 8029	

Cars	10	0	168	257	192
Heavy	28	0	4	3	8
Total	38	0	172	260	200
Northbound					
Vehicles Entering Intersection			632		
Vehicles Exiting Intersection			656		
Total Vehicles On Leg			1288		



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

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

Study Date : 09/19/2024

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 6,619

Westbound: CSAH 1

Number of Lanes :2+

Total Approach Volume: 8,714

Minor Street Approaches

Northbound: Round Lake Blvd NW

Number of Lanes :2+

Total Approach Volume: 632

Southbound: Round Lake Blvd NW

Number of Lanes :2+

Total Approach Volume: 3,663

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 13 hours, 8 are needed

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

Required volumes reached for 12 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 14 hours, 8 are needed

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

Number of hours (12) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (48) 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 2402

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

13 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

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

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
	CSAH 1					Round Lake Blvd NW		
15:15 - 16:15	645	+	882	=	1527	53	252	Yes
16:15 - 17:15	569	+	898	=	1467	51	233	Yes
13:15 - 14:15	462	+	726	=	1188	38	249	Yes
14:15 - 15:15	494	+	669	=	1163	49	234	Yes
07:15 - 08:15	555	+	502	=	1057	35	367	Yes
17:15 - 18:15	368	+	681	=	1049	44	205	Yes
12:15 - 13:15	383	+	595	=	978	49	285	Yes
11:15 - 12:15	468	+	506	=	974	47	262	Yes
09:15 - 10:15	417	+	509	=	926	53	287	Yes
10:15 - 11:15	418	+	486	=	904	49	302	Yes
08:15 - 09:15	401	+	433	=	834	46	283	Yes
18:15 - 19:15	285	+	405	=	690	17	153	Yes
06:15 - 07:15	247	+	352	=	599	45	156	Yes
19:15 - 20:15	257	+	266	=	523	14	128	No
06:00 - 07:00	206	+	316	=	522	29	124	No
19:30 - 20:30	231	+	261	=	492	12	121	No
19:45 - 20:45	191	+	243	=	434	8	112	No
20:00 - 21:00	169	+	228	=	397	9	100	No
05:45 - 06:45	156	+	238	=	394	27	95	No
20:15 - 21:15	137	+	212	=	349	9	91	No
20:30 - 21:30	135	+	195	=	330	8	82	No
05:30 - 06:30	134	+	188	=	322	18	84	No
20:45 - 21:45	134	+	173	=	307	6	67	No
21:00 - 22:00	127	+	161	=	288	8	61	No
05:15 - 06:15	123		148		271	12	58	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

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

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 = **630**
 Veh/Hr Minor = **70**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:30 - 16:30	627	+	947	=	1574	51	252	Yes
16:30 - 17:30	535	+	855	=	1390	53	237	Yes
13:30 - 14:30	469	+	737	=	1206	39	263	Yes
14:30 - 15:30	538	+	662	=	1200	50	223	Yes
07:30 - 08:30	583	+	486	=	1069	32	358	Yes
11:30 - 12:30	441	+	556	=	997	50	283	Yes
12:30 - 13:30	394	+	584	=	978	47	246	Yes
17:30 - 18:30	351	+	614	=	965	37	195	Yes
10:30 - 11:30	444	+	501	=	945	48	282	Yes
09:30 - 10:30	409	+	503	=	912	54	279	Yes
08:30 - 09:30	388	+	442	=	830	46	316	Yes
06:30 - 07:30	298	+	414	=	712	49	188	Yes
18:30 - 19:30	259	+	351	=	610	16	143	No
06:15 - 07:15	247	+	352	=	599	45	156	No
18:45 - 19:45	268	+	321	=	589	18	144	No
19:00 - 20:00	260	+	284	=	544	16	136	No
19:15 - 20:15	257	+	266	=	523	14	128	No
06:00 - 07:00	206	+	316	=	522	29	124	No
19:30 - 20:30	231	+	261	=	492	12	121	No
19:45 - 20:45	191	+	243	=	434	8	112	No
20:00 - 21:00	169	+	228	=	397	9	100	No
05:45 - 06:45	156	+	238	=	394	27	95	No
20:15 - 21:15	137	+	212	=	349	9	91	No
20:30 - 21:30	135	+	195	=	330	8	82	No
05:30 - 06:30	134		188		322	18	84	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

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.
14 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?
16:00 - 17:00	602	+	923	=	1525	49	242	Yes
15:00 - 16:00	632	+	804	=	1436	57	231	Yes
14:00 - 15:00	461	+	687	=	1148	42	231	Yes
17:00 - 18:00	404	+	743	=	1147	50	242	Yes
13:00 - 14:00	452	+	684	=	1136	41	267	Yes
11:00 - 12:00	460	+	525	=	985	48	257	Yes
07:00 - 08:00	509	+	468	=	977	43	342	Yes
12:00 - 13:00	384	+	588	=	972	47	285	Yes
09:00 - 10:00	410	+	507	=	917	51	321	Yes
10:00 - 11:00	426	+	456	=	882	51	283	Yes
08:00 - 09:00	434	+	441	=	875	43	277	Yes
18:00 - 19:00	306		475		781	22	144	Yes

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:00 - 17:00	602	+	923	=	1525	49	242	Yes
15:00 - 16:00	632	+	804	=	1436	57	231	Yes
14:00 - 15:00	461	+	687	=	1148	42	231	Yes
17:00 - 18:00	404	+	743	=	1147	50	242	Yes
13:00 - 14:00	452	+	684	=	1136	41	267	Yes
11:00 - 12:00	460	+	525	=	985	48	257	Yes
07:00 - 08:00	509	+	468	=	977	43	342	Yes
12:00 - 13:00	384	+	588	=	972	47	285	Yes
09:00 - 10:00	410	+	507	=	917	51	321	Yes
10:00 - 11:00	426	+	456	=	882	51	283	Yes
08:00 - 09:00	434	+	441	=	875	43	277	Yes
18:00 - 19:00	306		475		781	22	144	Yes

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

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.

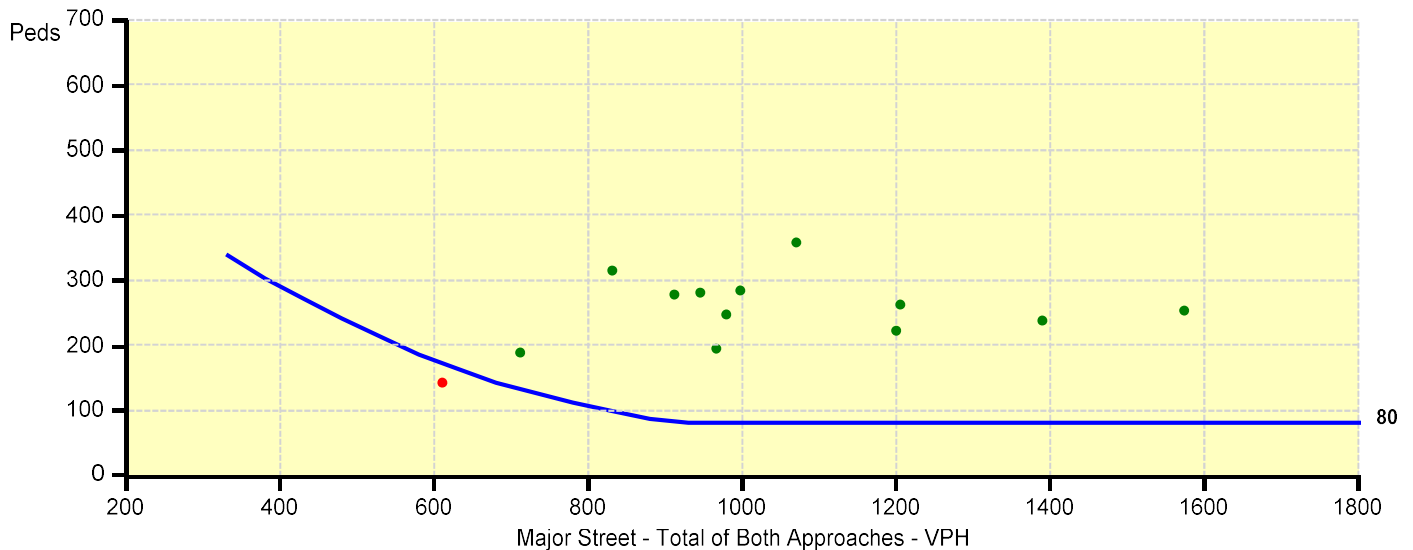
Summary

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**

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	627	+	947	=	1574	51	252	Yes
16:30 - 17:30	535	+	855	=	1390	53	237	Yes
13:30 - 14:30	469	+	737	=	1206	39	263	Yes
14:30 - 15:30	538	+	662	=	1200	50	223	Yes
07:30 - 08:30	583	+	486	=	1069	32	358	Yes
11:30 - 12:30	441	+	556	=	997	50	283	Yes
12:30 - 13:30	394	+	584	=	978	47	246	Yes
17:30 - 18:30	351	+	614	=	965	37	195	Yes
10:30 - 11:30	444	+	501	=	945	48	282	Yes
09:30 - 10:30	409	+	503	=	912	54	279	Yes
08:30 - 09:30	388	+	442	=	830	46	316	Yes
06:30 - 07:30	298		414		712	49	188	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

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.

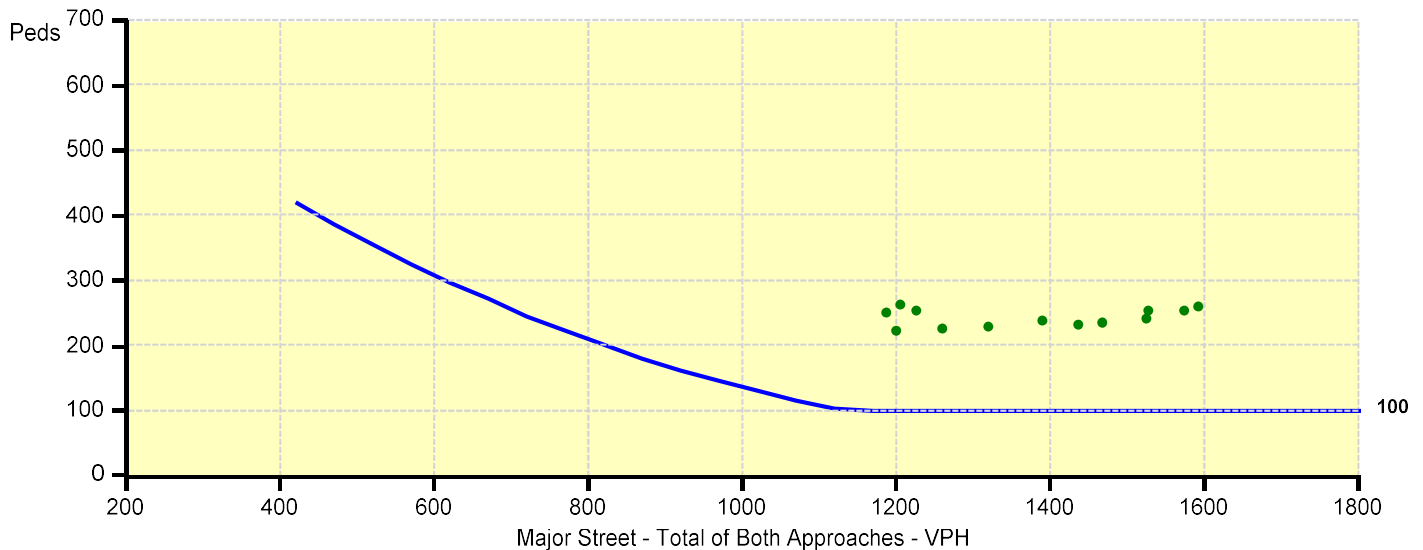
Summary

44 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					Minor Road Round Lake Blvd NW		Met?
	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	
15:45 - 16:45	629	+	962	=	1591	46	259	Yes
15:30 - 16:30	627	+	947	=	1574	51	252	Yes
15:15 - 16:15	645	+	882	=	1527	53	252	Yes
16:00 - 17:00	602	+	923	=	1525	49	242	Yes
16:15 - 17:15	569	+	898	=	1467	51	233	Yes
15:00 - 16:00	632	+	804	=	1436	57	231	Yes
16:30 - 17:30	535	+	855	=	1390	53	237	Yes
14:45 - 15:45	597	+	723	=	1320	56	227	Yes
16:45 - 17:45	453	+	807	=	1260	54	225	Yes
13:45 - 14:45	470	+	756	=	1226	39	253	Yes
13:30 - 14:30	469	+	737	=	1206	39	263	Yes
14:30 - 15:30	538	+	662	=	1200	50	223	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2402

Study Date : 09/19/2024

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: 111th Ave NW
 Number of Lanes : 2+
 Total Approach Volume: 636

Westbound: Coon Rapids Servic Road
 Number of Lanes :2+
 Total Approach Volume: 667

Minor Street Approaches

Northbound: CSAH 1
 Number of Lanes :2+
 Total Approach Volume: 8,189

Southbound: CSAH 1
 Number of Lanes :2+
 Total Approach Volume: 9,377

Warrant Summary (Urban 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	Not Satisfied
Average of 8 highest hours is less than 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 is less than volume criteria.	

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:45 - 16:45	118	103.4	1727	1331.6	300	200	No
14:45 - 15:45	102		1507				
16:45 - 17:45	106		1428				
13:30 - 14:30	140		1367				
07:30 - 08:30	32		1341				
11:30 - 12:30	132		1134				
12:30 - 13:30	121		1091				
09:00 - 10:00	76		1058				
17:45 - 18:45	96		1023				
10:30 - 11:30	86		1036				
06:30 - 07:30	38		836				
18:45 - 19:45	60		702				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:45 - 16:45	118	103.4	1727	1331.6	240	160	No
14:45 - 15:45	102		1507				
16:45 - 17:45	106		1428				
13:30 - 14:30	140		1367				
07:30 - 08:30	32		1341				
11:30 - 12:30	132		1134				
12:30 - 13:30	121		1091				
09:00 - 10:00	76		1058				
17:45 - 18:45	96		1023				
10:30 - 11:30	86		1036				
06:30 - 07:30	38		836				
18:45 - 19:45	60		702				